ENDOCRINOLOGY INDEX

National Institute of Arthritis,
Metabolism, and Digestive Diseases

U.S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE

Public Health Service

National Institutes of Health

MAY-JUNE 1979
VOLUME 12, NO. 3

EXPLANATION OF FORMAT

The period covered by this issue of the bibliography corresponds to the same months of *Index Medicus*. The journal coverage is limited to journals covered by *Index Medicus*, but the *Endocrinology Index* contains additional subject headings that are not included in *Index Medicus*. The *Endocrinology Index* is arranged in seven sections: 1) Table of Contents; 2) Subject Section; 3) Review Section; 4) Method Section; 5) Author Section; 6) Subject Index; and 7) Author Index.

Subject Section

The Subject Section is for the reader interested in recent literature related to certain broad topics and is divided into eight categories (pituitary, thyroid, etc.). The endocrine pancreas has not been included since it is the subject of another recurring bibliography, *Diabetes Literature Index*. Each category has a preconceived hierarchical organization of subject headings. A particular citation may appear more than once if it deals with multiple topics. Each citation to an article contains the full title, first author, and journal reference. If the article is written in a foreign language, the language is indicated. If the citation is to a review article, the number of references is given.

Author Section

The Author Section provides the reader with a list of keywords or index terms assigned to each citation. Each article appears only once. The citations are arranged alphabetically according to first author and are numbered consecutively. These numbers are then used in the Author and Subject Indexes to enable the reader to identify references with ease. The complete citations (including index terms) are found but only the first three authors are listed. Foreign titles appear in the original language; these titles have been translated into English in the Subject Section. Following each citation are index terms which have been assigned to describe the contents of the article. Index terms appear in capital letters; some of these are accompanied by subheadings which appear in lower case letters. Asterisks (*) identify the index terms under which articles appear in *Index Medicus*.

Subject Index

All of the index terms assigned to the citations appearing in the bibliography are listed, followed by citation numbers which correspond to the numbers in the Author Section. The Subject Index is included for the convenience of the reader who wishes to select articles falling in categories of his own conception. For example, one who is interested in protein binding of a particular hormone could quickly find whether there were any articles dealing with this subject by determining if there were any citation numbers common to the two headings "protein binding" and the name of the specific hormone.

Author Index

The names of all authors are listed, followed by citation numbers which correspond to the numbers in the Author Section.

DISTRIBUTION

This publication is available free to National Institutes of Health grantees and contractors working in the field of endocrinology and libraries of medical schools. Requests from these qualified individuals to receive free copies of this publication must include their grant or contract number and the title of their project. These requests as well as address changes and other communications should be addressed to:

Scientific Communications Section
Endocrinology Index
National Institute of Arthritis,
Metabolism, and Digestive Diseases
National Institutes of Health
Bethesda, Maryland 20205

Other individuals and libraries may receive this publication by subscribing directly to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. One year's subscription includes six bimonthly issues. Subscription price per year in the United States and its possessions: $10.00; foreign, $10.00 additional; and $6.75 for a single copy in the United States and its possessions; foreign, $1.70 additional. Payment is required in advance, and check or money order should be made payable to the Superintendent of Documents.

ENDOCRINOLOGY INDEX

National Institute of Arthritis, Metabolism, and Digestive Diseases

Edited by

Billie B. Mackey

Editorial Advisors

Grant W. Liddle, M.D.

Gerald D. Aurbach, M.D.
Robert W. Bates, Ph.D.
Nicholas P. Christy, M.D.
Melvin M. Grumbach, M.D.
Joseph L. Izzo, M.D.
Seymour Lieberman, Ph.D.
Jacob Robbins, M.D.
Kenneth J. Ryan, M.D.

ACKNOWLEDGMENT

The *Endocrinology Index* was compiled with the cooperation and assistance of the staff of the National Library of Medicine. The citations were processed by the Library's computer-based Medical Literature Analysis and Retrieval System (MEDLARS).

NIH Publication No. 79-273

ISSN 0013-7235

PREFACE

The *Endocrinology Index* is a bimonthly publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases. This selected bibliography which is produced from the National Library of Medicine's Medical Literature Analysis and Retrieval System (MEDLARS), has been initiated to supply those scientists working in the field of endocrinology with a much needed current awareness tool and is intended to help facilitate greater integration of research and clinical efforts in this field.

Endocrinology Index was developed with the support of contract PH43-66-480 in 1966-70 to Vanderbilt University under the direction of Grant W. Liddle. The National Institute of Arthritis, Metabolism, and Digestive Diseases is most appreciative of the fine work in originally developing and editing the *Index* provided by Grant W. Liddle and Victoria Ragin Liddle and for their continuing editorial advice in making the *Endocrinology Index* a most important and necessary component of endocrinology literature within the biomedical research community.

The Secretary of the Department of Health, Education, and Welfare has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through April 30, 1981

Table of Contents

CATEGORY 1: PITUITARY

		Page
I.	Physical and Functional Aspects	
	Pituitary Function Tests	1
	Pituitary-Adrenal Function Tests (See CATEGORY 3: ADRENAL)	
	Pituitary Gland	1
	Pituitary Gland, Anterior	3
	Pituitary Gland, Posterior	4,5
	Pituitary Irradiation	5
II.	Disorders of the Pituitary Gland	
	Acromegaly	6
	Adenoma, Basophilic	-
	Adenoma, Chromophobe	6
	Adenoma, Eosinophilic	7
	Chiari-Frommel Syndrome	7
	Craniopharyngioma	7
	Diabetes Insipidus	7
	Dwarfism*	8
	Dwarfism, Pituitary	8
	Empty Sella Syndrome	9
	Froehlich's Syndrome	-
	Gigantism	9
	Hyperpituitarism*	-
	Hypopituitarism*	9
	Inappropriate ADH Syndrome	9
	Infantilism	10
	Nelson's Syndrome	10
	Pituitary Diseases*	10
	Pituitary Gland, Abnormalities and Injuries	10
	Pituitary Gland, Anterior, Abnormalities and Injuries	-
	Pituitary Gland, Posterior, Abnormalities and Injuries	-
	Pituitary Neoplasms*	10
III.	Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs	
	Argipressin	13
	Corticotropin (ACTH)	13
	Cosyntropin	16
	Desmopressin	34
	Felypressin	-
	Follicle Stimulating Hormone (FSH)	16
	Gonadotropins*	18
	Gonadotropins, Pituitary*	18
	Luteinizing Hormone (LH), (ICSH)	19
	Lipotropin	21
	Lypressin	22
	Lysine Vasopressin	34
	Menotropins	22

*See also more specific terms

Page

III. Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs (Continued)
Melanocyte Stimulating Hormone (MSH) 22
Neurophysins 23
Ornipressin 23
Oxytocics 23
Oxytocin 23
Pituitary Hormones* 24
Pituitary Hormones, Anterior* 24
Pituitary Hormones, Posterior* 25
Pituitrin 25
Prolactin 25
Somatotropin (GH) 28
Thyrotropin (TSH) 30
Tocinamide . . . . . -
Tocinoic Acid . . . . . -
Vasopressins 32
Vasotocin 34

IV. Related Topics
Cyclofenil (F6066) 35
Hypophysectomy 35
Lactation 35
Somatomedin (Sulfation Factor) 36

CATEGORY 2: THYROID

I. Physical and Functional Aspects
Thyroid Function Tests* 39
Basal Metabolism (See SUBJECT INDEX)
Protein Bound Iodine Test (See V. Related Topics)
Thyroid Gland 39
Thyroidectomy 42

II. Disorders of the Thyroid Gland
Cretinism 43
Goiter* 43
Goiter, Endemic 43
Goiter, Exophthalmic 44
Goiter, Nodular 45
Goiter, Substernal 45
Hyperthyroidism* 46
Hypothyroidism* 48
Myxedema 50
Thyroid Crisis . . . . . -
Thyroid Diseases* 50
Thyroid Gland, Abnormalities and Injuries 51
Thyroid Neoplasms 51
Thyroiditis 53
Thyroiditis, Lymphomatous 54

*See also more specific terms

Page

III. Thyroid Hormones, Precursors, Metabolites and Synthetic Analogs
Calcitonin (See CATEGORY 6: PARATHYROID AND BONE)
Dextrothyroxine 55
Diiodothyronines 55
Diiodotyrosine 55
Iodotyrosine 55
Thyroglobulin 55
Thyroid Hormones* 56
Thyronines 57
Thyroxine 57
Triiodothyronine 59
Triiodothyronine, Reverse 61

IV. Thyroid Antagonists and Inhibitors
Carbimazole 62
Methimazole 62
Methylthiouracil 62
Propylthiouracil 62
Thiouracil 62
Thyroid Antagonists* 62

V. Related Topics
Exophthalmos 64
Exophthalmos Producing Substances (EPS) . . . . . -
Iodides 64
Iodine 64
Iodoproteins 65
Long-Acting Thyroid Stimulator (LATS) 65
Protein-Bound Iodine Test 66
Thyroxine Binding Protein 66

CATEGORY 3: ADRENAL

I. Physical and Functional Aspects
Adrenal Cortex 67
Adrenal Cortex Function Tests 68
Adrenal Glands 68
Adrenalectomy 71
Pituitary-Adrenal Function Tests 71

II. Disorders of the Adrenal Glands
Addison's Disease 72
Adenoma, Virilizing 72
Adrenal Cortex Abnormalities and Injuries . . . . . -
Adrenal Cortex Diseases 73
Adrenal Cortex Neoplasms 72
Adrenal Cortical Rest Tumor . . . . . -

*See also more specific terms

Page

II. Disorders of the Adrenal Glands (Continued)
Adrenal Gland Diseases* 72
Adrenal Gland Hyperfunction* 73
Adrenal Gland Hypofunction* 73
Adrenal Gland Neoplasms* 74
Adrenal Glands, Abnormalities and Injuries 75
Adrenogenital Syndrome 75
Bartter's Disease 75
Cushing's Syndrome 75
Hyperaldosteronism 76
Waterhouse-Friderichsen Syndrome . . . . . -

III. Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analogs
Adrenal Cortex Hormones* 78
Aldosterone 80
Aldosterone Antagonists 82
Androgens* (See CATEGORY 4: GONADS)
Androstanes* (See CATEGORY 4: GONADS)
Androstenedione 82
Androsterone 82
Beclomethasone 82
Betamethasone 82
Betamethasone 17-Valerate 83
Clobetasol 94
Corticosterone 83
Cortisone 84
Dehydroepiandrosterone 84
Desoxycorticosterone 85
Dexamethasone 86
Dexamethasone Isonicotinate 86
Estranes* (See CATEGORY 4: GONADS)
Estrogens* (See CATEGORY 4: GONADS)
Estrone 86
Etiocholanolone 87
Fludrocortisone 87
Flumethasone 87
Fluocinolone Acetonide 87
Fluocinonide . . . . . -
Fluocortolone 94
Fluorometholone . . . . . -
Fluprednisolone 87
Flurandrenolone . . . . . -
Glucocorticoids* 88
Hydrocortisone 89
Hydrocortisone, Topical 92
Hydroxycorticosteroids . . . . . -
11-Hydroxycorticosteroids 92
17-Hydroxycorticosteroids 92
11-Hydroxycorticosteroids, Synthetic 100
18-Hydroxycorticosterone 92
18-Hydroxydesoxycorticosterone 93

*See also more specific terms

Page

III. Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analogs (Continued)
Hydroxycorticosteroids, Synthetic . . . . . -
Hydroxypregnenolone 93
Hydroxyprogesterone (See CATEGORY 4: GONADS) . .
Ketosteroids . . . . . -
17-Ketosteroids. 93
Methylprednisolone 93
Mineralocorticoids* 93
Paramethasone 100
Prednisolone 93
Prednisolone, Topical 94
Prednisone 94
Pregnanediol (See CATEGORY 4: GONADS)
Pregnanes* (See CATEGORY 4: GONADS)
Pregnanetriol. 94
Pregnenes (See CATEGORY 4: GONADS)
Pregnenolone (See CATEGORY 4: GONADS)
Progesterone (See CATEGORY 4: GONADS)
Tetrahydrocortisol 94
Tetrahydrocortisone. 94
Triamcinolone 94
Triamcinolone Acetonide. 94

IV. Related Topics
Aminoglutethimide 95
DDD 95
Metyrapone 95
Pituitary-Adrenal System 95
Renin 96
Spironolactone 99
Transcortin 100

V. Adrenal Medulla
Adrenal Medulla 101
Adrenochrome . . . . . -
Catecholamines* 101
Chromaffin Granules 102
Chromaffin System 102
Dopa 102
Dopamine 102
Epinephrine 103
Hydroxydopamine . . . . . -
Isoproterenol 103
Levodopa . . . . . -
Metanephrine. . . . . -
Methyldopa . . . . . -
Methyldopahydrazine . . . . . -
Methylnorepinephrine . . . . . -

*See also more specific terms

Page

V. Adrenal Medulla (Continued)
Norepinephrine 103
Normetanephrine . . . . . -
Pheochromocytoma 104
Vanilmandelic Acid 105

CATEGORY 4: GONADS

I. Physical and Functional Aspects
Gonads* 107
Ovary
Corpus Luteum 108
Graafian Follicle 108
Granulosa Cells 109
Lutein Cells 109
Ovary* 109
Theca Cells 112
Testis
Leydig Cells 113
Sertoli Cells 113
Testis* 114

II. Disorders of the Gonads
Arrhenoblastoma 119
Bonnevie-Ullrich Syndrome . . . . . -
Brenner Tumor 119
Corpus Luteum, Abnormalities and Injuries . . . . . -
Corpus Luteum Cyst 119
Cryptorchism 119
Dysgerminoma 119
Eunuchism 121
Gonads, Abnormalities and Injuries 121
Graafian Follicle, Abnormalities and Injuries . . . . . -
Granulosa Cell Tumor 121
Gynandroblastoma . . . . . -
Hermaphroditism 121
Hypogonadism* 121
Infantilism (See CATEGORY 1: PITUITARY)
Klinefelter's Syndrome 122
Leydig Cells, Abnormalities and Injuries . . . . . -
Leydig Cell Tumor 122
Meigs' Syndrome 122
Noonan Syndrome 122
Ovarian Cysts . . . . . -
Ovarian Diseases* 123
Ovarian Neoplasms* 123
Ovary, Abnormalities and Injuries 126
Prader-Willi Syndrome . . . . . -
Pseudohermaphroditism 126

*See also more specific terms

Page

II. Disorders of the Gonads (Continued)

Puberty, Precocious 127
Sertoli Cell Tumor 127
Sertoli Cells, Abnormalities and Injuries . . . . . -
Sex Chromosome Abnormalities 127
Sex Differentiation Disorders 127
Stein-Leventhal Syndrome 127
Struma Ovarii 128
Testicular Diseases* 128
Testicular Feminization 128
Testicular Neoplasms* 129
Testis, Abnormalities and Injuries 130
Theca Cell Tumor 130
Turner's Syndrome 130

III. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs

Algestone Acetophenide . . . . . -
Alphasone . . . . . -
Anabolic Steroids* 132
Androgen Antagonists 132
Androgens* 132
Androstanes* 133
Androstenes* . . . . . -
Androstenols 133
Androsterone (See CATEGORY 3: ADRENAL)
Chlormadinone 133
Chlorotrianisene 133
Clomiphene 133
Contraceptives, Oral* 134
Contraceptives, Oral, Hormonal 135
Contraceptives, Postcoital 136
Corpus Luteum Hormones 136
Cronolone . . . . . -
Cyproterone 136
Dehydroepiandrosterone (See CATEGORY 3: ADRENAL)
Diethylstilbestrol 136
Dihydroxyprogesterone . . . . . -
Dimethisterone . . . . . -
Dromostanolone . . . . . -
Dydrogesterone 137
Estradiol 137
Estradiol Antagonists 140
Estranes 140
Estriol 140
Estrogen Antagonists 141
Estrogenic Substances, Conjugated 141
Estrogens* 142
Estrogens Synthetic 144
Ethinyl Estradiol 145

*See also more specific terms

		Page
III.	Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs (Continued)	
	Ethisterone	-
	Ethylestrenol	-
	Ethynodiol Diacetate	145
	Etiocholanolone (See CATEGORY 3: ADRENAL)	
	Fertility Agents	-
	Fertility Agents, Female, Hormonal	158
	Fertility Agents, Male, Hormonal	-
	Fluorometholone	-
	Fluoxymesterone	145
	Gonanes*	-
	Hexestrol	146
	Hydroxyestrones	-
	Hydroxymethyltestosterone	-
	Hydroxyprogesterones	146
	Hydroxytestosterones	-
	17-Ketosteroids (See CATEGORY 3: ADRENAL)	
	Lynestrenol	146
	Medroxyprogesterone	146
	Megestrol	147
	Mestranol	147
	Methandrostenolone	147
	Methenolone	147
	Methyltestosterone	147
	Nandrolone	147
	Norethandrolone	-
	Norethindrone	148
	Norethynodrel	148
	Norgestrel	148
	Normethandrolone	-
	Oxandrolone	-
	Oxymetholone	-
	Pregnanediol	148
	Pregnanes*	149
	Pregnanetriol (See CATEGORY 3: ADRENAL)	
	Pregnenes*	149
	Pregnenolone	149
	Progestational Hormones	149
	Progestational Hormones, Synthetic	149
	Progesterone	150
	Relaxin	152
	Sex Hormones*	153
	Stanolone	154
	Stanozolol	-
	Testolactone	-
	Testosterone	154

*See also more specific terms

Page

IV. Related Topics
- Castration . . . 159
- Estrus . . . 159
- Feminization . . . 160
- Lactation (See CATEGORY 1: PITUITARY)
- Ovulation . . . 160
- Ovulation Induction . . . 160
- Puberty . . . 160
- Sex Chromatin . . . 161
- Sex Chromosomes . . . 161
- Sex Determination . . . 162
- Sex Reversal, Gonadal . . . 162

CATEGORY 5: PLACENTA

I. Physical and Functional Aspects . . . 163
- Placental Function Tests . . . 164

II. Disorders of the Placenta
- Chorioadenoma . . . 165
- Choriocarcinoma . . . 165
- Hydatidiform Mole . . . 165
- Placenta, Abnormalities and Injuries . . . -
- Placenta Disorders . . . 166
- Trophoblastic Tumor . . . 166

III. Placental Hormones, Precursors, Metabolites and Synthetic Analogs (See also specific terms in CATEGORY 3: ADRENAL and CATEGORY 4: GONADS)
- Gonadotropins, Chorionic . . . 168
- Gonadotropins, Equine . . . 169
- Placental Extracts . . . -
- Placental Hormones* . . . 170
- Placental Lactogen . . . 170
- Somatomammotropin . . . -

CATEGORY 6: PARATHYROID AND BONES

I. Physical and Functional Aspects . . . 171

II. Disorders of the Parathyroid Glands
- DiGeorge Syndrome . . . -
- Hyperparathyroidism . . . 173
- Hyperparathyroidism, Secondary . . . 174
- Hypoparathyroidism . . . 174
- Parathyroid Diseases* . . . 175
- Parathyroid Glands, Abnormalities and Injuries . . . -
- Parathyroid Neoplasms . . . 175

*See also more specific terms

Page

III. Parathyroid Hormone 176

IV. Bone Metabolism and Related Topics
Bone and Bones 178
Calcification, Physiologic 182
Calcitonin (Thyrocalcitonin) 182
Calcium Metabolism 183
Cholecalciferols 186
Dihydrotachysterol 187
Dihydroxycholecalciferols 187
Ergocalciferol . . . . . -
Hydroxycholecalciferols 188
Hypercalcemia 189
Osteitis Fibrosa Cystica 189
Osteogenesis Imperfecta 190
Osteomalacia 190
Osteopetrosis 190
Osteoporosis 191
Pseudohypoparathyroidism 192
Pseudopseudohypoparathyroidism . . . . . -
Renal Osteodystrophy 192
Rickets 193
Rickets, Vitamin D Resistant 194
Tetany 194
Thyrocalcitonin (See Calcitonin)
Vitamin A 194
Vitamin D 194
Vitamin D Deficiency 195

CATEGORY 7: NEUROENDOCRINOLOGY

I. Physical and Functional Aspects
Amygdaloid Body 197
Hypothalamo-Hypophyseal System 197
Hypothalamus 199
Hypothalamus, Anterior 203
Hypothalamus, Medial 203
Hypothalamus, Posterior 203
Median Eminence 204
Neurosecretory Systems 204
Pineal Body 204

II. Disorders of the Amygdaloid Body
Hypothalamus, Abnormalities and Injuries . . . . . -
Hypothalamus, Anterior, Abnormalities and Injuries . . . . . -
Pinealoma 206

Page

III. Neuroendocrine System Hormones, Precursors, Metabolites and Synthetic Analogs
Corticotropin Releasing Hormone (CRH) 207
Endorphins 207
Enkephalins 209
Hypothalamic Hormones 210
LH-FSH Releasing Hormone 210
Melatonin 212
MSH Release Inhibiting Hormone 212
MSH Releasing Hormone . . . . . -
Pituitary Hormone Release Inhibiting Hormones . . . . . -
Pituitary Hormone Releasing Hormones* 212
Prolactin Release Inhibiting Hormone 212
Prolactin Releasing Hormone 212
Somatotropin Release Inhibiting Hormone 212
Somatotropin Releasing Hormone 214
Thyrotropin Releasing Hormone (TRH) 214

CATEGORY 8: CYCLIC NUCLEOTIDES

Adenosine Cyclic-3', 5'-Monophosphate. 217
Guanosine Cyclic-3', 5'-Monophosphate. 220

CATEGORY 9: APPENDIX

Adenyl Cyclase 223
Guanyl Cyclase 225
Hormones, Ectopic 225
Neoplastic Endocrine-like Syndromes 225
Nerve Growth Factor 225
Prostaglandins 226
Prostaglandins A 229
Prostaglandins B . . . . . -
Prostaglandins D 229
Prostaglandins E 229
Prostaglandins F 234
Prostaglandins G 236
Prostaglandins H 236
Prostaglandins X 236
Receptors, Androgen 238
Receptors, Angiotensin 238
Receptors, Cyclic AMP 238
Receptors, Estrogen. 238
Receptors, Glucocorticoid 239
Receptors, Hormone. 240
Receptors, Progesterone 241
Receptors, Prostaglandin. 241
Receptors, Steroid 241

*See also more specific terms

Page

REVIEW SECTION 243

METHOD SECTION 251

AUTHOR SECTION A-1

SUBJECT INDEX A-303

AUTHOR INDEX A-339

PITUITARY

I. *Physical and Functional Aspects*

PITUITARY FUNCTION TESTS

Pituitary function and growth hormone dynamics in acromegaloidism. Mims RB. **J Natl Med Assoc** 70(12):919–23, Dec 78

Traumatic hypopituitarism associated with bitemporal hemianopia in a prepuberal child. Prosperi L, et al. **j Pediatr Opthalmol Strabismus** 15(6):376–82, Nov–Dec 78

Optic nerve hypoplasia with diabetes insipidus. Sheridan SJ, et al. **j Pediatr Opthalmol Strabismus** 15(2):82–4, Mar–Apr 78

PITUITARY GLAND

Biological tests on eel 'prolactin' separated by gel electrophoresis. Knight PJ, et al. **Gen Comp Endocrinol** 36(1):30–2, Sep 78

ABNORMALITIES

Congenital hypopituitarism in female infants. Its association with hypoglycemia and hypothyroidism. Kauschansky A, et al. **Am J Dis Child** 133(2):165–9, Feb 79

ANALYSIS

Distribution of methionine- and leucine-enkephalin within the rat pituitary gland measured by highly specific radioimmunoassays. Duka T, et al. **Biochem Biophys Res Commun** 85(3):1119–27, 14 Dec 78

Isolation of the C-fragment and C'-fragment of lipotropin from pig pituitary and C-fragment from brain. Smyth DG, et al. **Biochem J** 175(1):261–70, 1 Oct 78

Immunologic localization of alpha- and beta-endorphins and beta-lipotropin in corticotropic cells of the normal and anencephalic fetal pituitaries. Bégeot M, et al. **Cell Tissue Res** 193(3):413–22, 30 Oct 78

Radioimmunoassay of turkey growth hormone. Proudman JA, et al. **Gen Comp Endocrinol** 36(2):194–200, Oct 78

Studies on the purification and properties of gonadotrophin from ventral lobes of the pituitary gland of the dogfish (Scyliorhinus canicula L.). Sumpter JP, et al. **Gen Comp Endocrinol** 36(2):264–74, Oct 78

Effect of clomiphene on the restoration of ovulation in androgen-sterile rats. Baranov VG, et al. **Neurosci Behav Physiol** 8(4):271–4, Oct–Dec 77

Observations on the function of the dopaminergic nerves innervating the pituitary gland. Holzbauer M, et al. **Neuroscience** 3(12):1251–62, 1978

Enkephalins and endorphins. Miller RJ, et al. **Vitam Horm** 36:297–382, 1978 (258 ref.)

BLOOD SUPPLY

Portal circulatory system of hypophysis in swine. Wyrzykowski Z, et al. **Folia Morphol (Warsz)** 37(4):335–46, 1978

The vasculature of the diaphragma sellae. A postmortem injection study. Lee KF, et al. **Neuroradiology** 16:281–3, 1978

Portal circulations and their relation to counter-current systems. Henderson JR, et al. **Q J Exp Physiol** 63(4):355–69, Oct 78

CYTOLOGY

Developmental correlation between hypothalamic gonadotropin-releasing hormone and hypophysial luteinizing hormone. Gross DS, et al. **Am J Anat** 154(1):1–10, Jan 79

Histological observations on some of the endocrine glands in the ironfish, with special regard to the hypophysis. Chiba A, et al. **Arch Histol Jpn** 41(1):53–64, Feb 78

Identification by immunofluorescence of prolactin- and somatotropin-producing cells in the pituitary gland of the Mexican axolotl (Ambystoma mexicanum, Shaw). Hauser-Gunsbourg N, et al. **Cell Tissue Res** 194(3):497–501, 12 Dec 78

An immunohistochemical study of epithelial cells in the posterior lobe and pars tuberalis of the human adult pituitary gland. Osamura RY, et al. **Cell Tissue Res** 194(3):513–24, 12 Dec 78

Changed activity in the hypothalamic neurosecretory centres and the pituitary gland of mice in the course of tetanus toxoid immunization. Srebro Z, et al. **Folia Biol (Krakow)** 26(4):257–62, 1978

Cytological changes in prolactin, ACTH, and growth hormone cells of the pituitary gland of Pungitius pungitius L. in response to increased environmental salinities. Benjamin M. **Gen Comp Endocrinol** 36(1):48–58, Sep 78

The relationship between prolactin cell activity, environmental calcium, and plasma calcium in the teleost Gasterosteus aculeatus. Observations on stanniectomized fish. Wendelaar Bonga SE, et al. **Gen Comp Endocrinol** 36(1):90–101, Sep 78

DRUG EFFECTS

Gonadotropin profiles in fed and fasted obese women. Newmark SR, et al. **Am J Obstet Gynecol** 133(1):75–80, 1 Jan 79

Gonadotropin response to synthetic gonadotropin hormone-releasing hormone (GnRH) in heroin addicts. Brambilla F, et al. **Am J Psychiatry** 136(3):314–7, Mar 79

Inhibitory action of pineal extract on LH and FSH. Damian E, et al. **Endocrinologie** 16(4):257–62, Oct–Dec 78

Effect of morphine on the dopamine inhibition of pituitary prolactin release in vitro. Enjalbert A, et al. **Eur J Pharmacol** 53(2):211–2, 1 Jan 79

Changed activity in the hypothalamic neurosecretory centres and the pituitary gland of mice in the course of tetanus toxoid immunization. Srebro Z, et al. **Folia Biol (Krakow)** 26(4):257–62, 1978

Basal and potassium stimulated, calcium dependent, endorphins release from pituitary cells. Simantov R. **Life Sci** 23(25):2503–8, 18 Dec 78

The influence of the nervous system upon adrenal gland weight and assayable pituitary MSH. Francis MG, et al. **Neuroendocrinology** 27(5–6):228–38, 1978

Pituitary response to LHRH in midtrimester pregnancy. Sowers JR, et al. **Obstet Gynecol** 52(6):685–8, Dec 78

[Early and late inhibition of lactation using bromocriptine. A comparative study (author's transl)] Chef R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(5):1003–12, May–Jun 78 (Eng. Abstr.) **(Fre)**

EMBRYOLOGY

Developmental correlation between hypothalamic gonadotropin-releasing hormone and hypophysial luteinizing hormone. Gross DS, et al. **Am J Anat** 154(1):1–10, Jan 79

Immunologic localization of alpha- and beta-endorphins and beta-lipotropin in corticotropic cells of the normal and

anencephalic fetal pituitaries. Bégeot M, et al. **Cell Tissue Res** 193(3):413–22, 30 Oct 78

ENZYMOLOGY

Age-dependent response of lactate dehydrogenase of pituitary of rat to testosterone. Giri KV, et al. **Experientia** 34(10):1270–1, 15 Oct 78

Subcellular localization of protein carboxyl-methylase and its substrates in rat pituitary lobes. Gagnon C, et al. **J Neurochem** 32(2):567–72, Feb 79

IMMUNOLOGY

Changed activity in the hypothalamic neurosecretory centres and the pituitary gland of mice in the course of tetanus toxoid immunization. Srebro Z, et al. **Folia Biol (Krakow)** 26(4):257–62, 1978

INNERVATION

Observations on the function of the dopaminergic nerves innervating the pituitary gland. Holzbauer M, et al. **Neuroscience** 3(12):1251–62, 1978

METABOLISM

Reverse transcription of purified prolactin messenger RNA [proceedings] Brocas H, et al. **Arch Int Physiol Biochim** 86(4):906–7, Oct 78

Failure of cimetidine to antagonise dopamine-induced suppression of prolactin in vitro. Delitala G, et al. **Br J Clin Pharmacol** 7(1):117–9, Jan 79

Identification by immunofluorescence of prolactin- and somatotropin-producing cells in the pituitary gland of the Mexican axolotl (Ambystoma mexicanum, Shaw). Hauser-Gunsbourg N, et al. **Cell Tissue Res** 194(3):497–501, 12 Dec 78

Pituitary and placental gonadotrophins and sex steroids in the human and sub-human primate fetus. Kaplan SL, et al. **Clin Endocrinol Metab** 7(3):487–511, Nov 78 (114 ref.)

The role of glycosylation on the biosynthesis, degradation, and secretion of the ACTH-beta-lipotropin common precursor and its peptide products. Loh YP, et al. **FEBS Lett** 96(2):269–72, 15 Dec 78

Beta-lipotropin and endorphins: implications of current knowledge. Guillemin R. **Hosp Pract** 13(11):53–60, Nov 78

Morphometric study of the reversibility of testicle alterations in rats submitted to hypervitaminosis A. Lamano Carvalho TL, et al. **Int J Vitam Nutr Res** 48(4):316–24, 1978

Morphometric study of testicle alterations in rats submitted to hypervitaminosis A. Lamano Carvalho TL, et al. **Int J Vitam Nutr Res** 48(4):307–15, 1978

Changes in pituitary oxytocin and vasopressin during the estrous cycle and after ovarian hormones: evidence for mediation by norepinephrine. Crowley WR, et al. **Life Sci** 23(26):2579–85, 25 Dec 78

Basal and potassium stimulated, calcium dependent, endorphins release from pituitary cells. Simantov R. **Life Sci** 23(25):2503–8, 18 Dec 78

Influence of bromoergocryptine on estrogen-modulated prolactin receptors of mouse mammary gland. Sheth NA, et al. **Mol Cell Endocrinol** 12(2):167–76, Nov 78

Biosynthesis of beta-endorphin from beta-lipotropin and a larger molecular weight precursor in rat pars intermedia. Crine P, et al. **Proc Natl Acad Sci USA** 75(10):4719–23, Oct 78

Brain-derived fibroblast growth factor: identity with a fragment of the basic protein of myelin. Westall FC, et al. **Proc Natl Acad Sci USA** 75(10):4675–8, Oct 78

Endocrine function and reproductive impairment in an irradiated population of the lizard Uta stansburiana. Pearson AK, et al. **Radiat Res** 76(3):610–23, Dec 78

[Pituitary reserve of thyrotrophic hormone in hypothyroid children] Blaim A, et al. **Cesk Pediatr** 33(10):598–600, Oct 78 (Eng. Abstr.) **(Cze)**

[Change in the gonadotropin content and activity in the hypophysis of the Russian sturgeon at different stages of gonadal maturity] Burlakov AB. **Biol Nauki** (12):36–40, 1978 **(Rus)**

PATHOLOGY

Malignant pituitary chromophobe adenoma in an infant accompanying diabetes insipidus. Fang CH, et al. **Acta Pathol Jpn** 28(6):995–1002, Nov 78

Genetics and pathology of hereditary adrenal hyperplasia in the rabbit: a model for congenital lipoid adrenal hyperplasia. Fox RR, et al. **J Hered** 69(4):251–4, Jul-Aug 78

[Changes in the hypothalamo-hyophyseal neurosceretory system of mammals following pituitary stalk transection and hypophysectomy] Ugriumov MV. **Arkh Anat Gistol Embriol** 75(12):73–84, Dec 78 (81 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Hypophysectomy and saralasin on mesenteric vasoconstrictor response to vasopressin. Pang CC, et al. **Am J Physiol** 236(2):H200–5, Feb 79

Schwann cell growth factors. Raff MC, et al. **Cell** 15(3):813–22, Nov 78

Ultrastructure of the cells of the ovarian interstitial gland in hypophysectomized rats. The effects of stimulation of the ovarian plexus and of denervation. Capps ML, et al. **Cell Tissue Res** 193(3):433–42, 30 Oct 78

Neuroendocrinology of the menstrual cycle in humans. Shaw RW. **Clin Endocrinol Metab** 7(3):531–59, Nov 78

Inhibitory action of pineal extract on LH and FSH. Damian E, et al. **Endocrinologie** 16(4):257–62, Oct-Dec 78

Prolactin and pituitary control of calcium regulation in the killifish, Fundulus heteroclitus. Pang PK, et al. **Gen Comp Endocrinol** 36(2):306–16, Oct 78

Gonadotrophic hormone in the pituitary gland of the dogfish (Scyliorhinus canicula L): distribution and physiological significance. Sumpter JP, et al. **Gen Comp Endocrinol** 36(2):275–85, Oct 78

Sexual differentiation of the brain. Gorski RA. **Hosp Pract** 13(10):55–62, Oct 78

Hormonal control of steroidogenesis in an elasmobranch fish (Scyliorhinus canicula L.): studies using a specific anti-gonadotrophic antibody [proceedings] Sumpter JP, et al. **J Endocrinol** 79(2):28P–29P, Nov 78

Requirement of the pituitary gland for gonadal hormone effects on hepatic drug metabolism in rats. Kramer RE, et al. **J Pharmacol Exp Ther** 208(1):19–23, Jan 79

The influence of the nervous system upon adrenal gland weight and assayable pituitary MSH. Francis MG, et al. **Neuroendocrinology** 27(5–6):228–38, 1978

Systems of life. No. 50. Hormones and homeostasis. Roberts A. **Nurs Times** 75(5):Suppl 50:1–4, 1 Feb 79

Advances in endocrinology. Hardisty CA, et al. **Practitioner** 221(1324):499–503, Oct 78

Maintenance of pregnancy in the rat in the absence of LH. MacDonald GJ. **Proc Soc Exp Biol Med** 159(3):441–3, Dec 78

Genetic regulation of mammalian glucuronidase. Swank RT, et al. **Recent Prog Horm Res** 34:401–36, 1978 (95 ref.)

Introduction: history and problems of compensatory adaptation of renal functions and of compensatory hypertrophy of the kidney. Peters G. **Yale J Biol Med** 51(3):235–45, May-Jun 78

[The hypophysis and regulation of the diurnal rhythm of aldosterone secretion] Solc J, et al. **Cesk Pediatr** 33(10):580–1, Oct 78 (Eng. Abstr.) **(Cze)**

[Rational utilization of physical medicine in rheumatology] Franchimont P. **Rev Med Liege** 33(23):827–38, 1 Dec 78 **(Fre)**

PHYSIOPATHOLOGY

Basal and TRH-stimulated thyroid and pituitary hormones in various degrees of renal insufficiency. Weissel M, et al. **Acta Endocrinol (Copenh)** 90(1):23–32, Jan 79

Plasma gonadotrophins and LHRH infusions in anorexia nervosa. Beumont PJ, et al. **Aust NZ J Med** 8(5):509–14, Oct 78

Day-to-day variations in serum levels of follicle-stimulating hormone and luteinizing hormone in homosexual males. Halbreich U, et al. **Biol Psychiatry** 13(5):541–9, Oct 78

Pituitary-testicular axis in diabetic men with and without sexual impotence. Daubresse JC, et al. **Diabete Metab** 4(4):233–7, Dec 78

Pituitary-testicular function in patients with chronic alcoholism. Lindholm J, et al. **Eur J Clin Invest** 8(5):269–72, Oct 78

Pituitary and ovarian function in women with congenitally absent uterus. Ylikorkala O, et al. **Obstet Gynecol** 53(1):137–9, Jan 79

[Coincidence of diabetes mellitus and endometrial cancer] Dillinger P, et al. **Med Klin** 74(8):284–7, 23 Feb 79 (47 ref.) **(Ger)**

RADIATION EFFECTS

Endocrine function and reproductive impairment in an irradiated population of the lizard Uta stansburiana. Pearson AK, et al. **Radiat Res** 76(3):610–23, Dec 78

RADIOGRAPHY

Serum prolactin and gonadotrophin levels before and after luteinizing hormone-releasing hormone in the investigation of amenorrhoea. Bergh T, et al. **Br J Obstet Gynaecol** 85(12):945–56, Dec 78

SECRETION

Developmental correlation between hypothalamic gonadotropin-releasing hormone and hypophysial luteinizing hormone. Gross DS, et al. **Am J Anat** 154(1):1–10, Jan 79

Gonadotropin response to synthetic gonadotropin hormone-releasing hormone (GnRH) in heroin addicts. Brambilla F, et al. **Am J Psychiatry** 136(3):314–7, Mar 79

Observations on the function of the dopaminergic nerves innervating the pituitary gland. Holzbauer M, et al. **Neuroscience** 3(12):1251–62, 1978

Coordinate control of corticotropin, beta-lipotropin, and beta-endorphin release in mouse pituitary cell cultures. Allen RG, et al. **Proc Natl Acad Sci USA** 75(10):4972–6, Oct 78

[Gastrointestinal hormones. Current knowledge] Feurle GE. **Med Klin** 74(5):121–4, 2 Feb 79 (15 ref.) **(Ger)**

[Hormonal and metabolic disorders in ischemic heart disease] Vecherskiĭ GA. **Kardiologiia** 18(12):36–40, Dec 78 (Eng. Abstr.) **(Rus)**

SURGERY

Forces applied by nasal speculums during transsphenoidal operations. Hardy J, et al. **Surg Neurol** 10(6):361–3, Dec 78

Treatment of intracavernous extensions of pituitary adenomas. MacKay A, et al. **Surg Neurol** 10(6):377–83, Dec 78

[Changes in the hypothalamo-hyophyseal neurosceretory system of mammals following pituitary stalk transection and hypophysectomy] Ugriumov MV. **Arkh Anat Gistol Embriol** 75(12):73–84, Dec 78 (81 ref.) (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Sampling of biologic rhythms, chronocytokinetics and experimental oncology. pp. 175–90. Halberg F, et al. **In: Valleron AJ, Macdonald PD, ed. Biomathematics and cell kinetics. Amsterdam, Elsevir/North-Holland, 1978. W1 DE997VN v.2 1978.** (98 ref.)

ULTRASTRUCTURE

Use of nitrogen mustard N-oxide for the fixation of electron microscopic tissues. Fujita H, et al. **Histochemistry** 58(1-2):49–56, 24 Nov 78

Endocrine function and reproductive impairment in an irradiated population of the lizard Uta stansburiana. Pearson AK, et al. **Radiat Res** 76(3):610–23, Dec 78

[Changes in the hypothalamo-hyophyseal neurosceretory system of mammals following pituitary stalk transection and hypophysectomy] Ugriumov MV. **Arkh Anat Gistol Embriol** 75(12):73–84, Dec 78 (81 ref.) (Eng. Abstr.) **(Rus)**

PITUITARY GLAND, ANTERIOR

Ocular involvement in recurrent cyst of Rathke's cleft: Case report. Iraci G, et al. **Ann Ophthalmol** 11(1):94–8, Jan 79

ANALYSIS

Immunologic localization of alpha- and beta-endorphins and beta-lipotropin in corticotropic cells of the normal and anencephalic fetal pituitaries. Bégeot M, et al. **Cell Tissue Res** 193(3):413–22, 30 Oct 78

Immunocytochemical localisation of prolactin and growth hormone in the ovine pituitary. A morphological and quantitative study. Parry DM, et al. **Cell Tissue Res** 194(2):327–36, 20 Nov 78

[Progestagen and contraceptive activity of a 16alpha-methylene derivative of progesterone] Nikitina GV. **Probl Endokrinol (Mosk)** 25(1):68–71, Jan-Feb 79 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Ultrastructural classification of three different rat gonadotrophs after LH-RH stimulation. Seinsch W, et al. **Anat Histol Embryol** 7(4):300–10, Dec 78

Cell types and glycoprotein cytochemistry in the carp adenohypophysis (Cyprinus carpio L.). Val-Sella MV, et al. **Cell Mol Biol** 23(3):255–31, 1978

Direct antiproliferative effect of dopamine agonists on the anterior pituitary gland in organ culture. Pawlikowski M, et al. **J Endocrinol** 79(2):245–6, Nov 78

Effect of TRH and dopamine on cyclic AMP levels in enriched mammotroph and thyrotroph cells. Barnes GD, et al. **Mol Cell Endocrinol** 12(3):273–84, Dec 78

Effects of testosterone and orchiectomy on the development of gonadotrophs in neonatal rats with hypophysial stalk section. Daikoku S, et al. **Neuroendocrinology** 27(3-4):148–59, 1978

Pituitary somatotrophs contain [Met]enkephalin-like immunoreactivity. Weber E, et al. **Proc Natl Acad Sci USA** 75(12):6134–8, Dec 78

Pituitary cell transplants to the cerebral ventricles promote growth of hypophysectomized rats. Weiss S, et al. **Proc Soc Exp Biol Med** 159(3):409–13, Dec 78

DRUG EFFECTS

The influence of vasopressin on the regional uptake of [3H] orotic acid by rat brain. Landgraf R, et al. **Acta Biol Med Ger** 37(4):655–8, 1978

Ultrastructural classification of three different rat gonadotrophs after LH-RH stimulation. Seinsch W, et al. **Anat Histol Embryol** 7(4):300–10, Dec 78

Androgenic status of males with systemic lupus erythematosus. Stahl NI, et al. **Arthritis Rheum** 21(6):665–8, Jul-Aug 78

Conversion of high molecular weight CRF (corticotropin-releasing factor) or PRF (prolactin-releasing factor) into lower molecular weight forms by boiling at low pH. Yasuda N, et al. **Biochem Biophys Res Commun** 85(4):1291–8, 29 Dec 78

Effects of thyroliberin, triiodothyronine and cyclic guanosine 3'5'-monophosphate on the volume of nuclei of thyrotropic cells in rat anterior pituitary in vitro. Lewiński A. **Endokrinologie** 72(2):175–82, May 78

Anterior pituitary adenylate cyclase: stimulation by dopamine and other monoamines. Ahn HS, et al. **Eur J Pharmacol** 53(3):313–7, 15 Jan 79

Direct antiproliferative effect of dopamine agonists on the anterior pituitary gland in organ culture. Pawlikowski M, et al. **J Endocrinol** 79(2):245–6, Nov 78

Effect of TRH and dopamine on cyclic AMP levels in enriched mammotroph and thyrotroph cells. Barnes GD, et al. **Mol Cell Endocrinol** 12(3):273–84, Dec 78

Calcium as a second messenger in the stimulation of luteinizing hormone secretion. Hopkins CR, et al. **Mol Cell Endocrinol** 12(2):189–208, Nov 78

Dissociation of the porcine anterior pituitary: the kinetics of luteinizing hormone release in response to luteinizing hormone-releasing hormone. Walker AM, et al. **Mol Cell Endocrinol** 12(2):177–87, Nov 78

Corticotropin responsiveness in the neonatal rat. Guillet R, et al. **Neuroendocrinology** 27(3-4):119–25, 1978

In vitro release of ACTH from dispersed rat pars intermedia cells. III. Multiple forms of ACTH biological activity. Kraicer J, et al. **Neuroendocrinology** 27(1-2):86–96, 1978

Mechanism of action of hypothalamic hormones in the anterior pituitary gland and specific modulation of their activity by sex steroids and thyroid hormones. Labrie F, et al. **Recent Prog Horm Res** 34:25–93, 1978 (175 ref.)

[Biological properties of synthetic somatostatin] Iudaev NA, et al. **Probl Endokrinol (Mosk)** 25(1):75–9, Jan-Feb 79 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Anterior pituitary adenylate cyclase: stimulation by dopamine and other monoamines. Ahn HS, et al. **Eur J Pharmacol** 53(3):313–7, 15 Jan 79

Subcellular localization of protein carboxyl-methylase and its substrates in rat pituitary lobes. Gagnon C, et al. **J Neurochem** 32(2):567–72, Feb 79

GROWTH & DEVELOPMENT

Effects of testosterone and orchiectomy on the development of gonadotrophs in neonatal rats with hypophysial stalk section. Daikoku S, et al. **Neuroendocrinology** 27(3-4):148–59, 1978

METABOLISM

The influence of vasopressin on the regional uptake of [3H] orotic acid by rat brain. Landgraf R, et al.

Acta Biol Med Ger 37(4):655–8, 1978

Immunoreactive beta-endorphin and ACTH in the same neurons of the hypothalamic arcuate nucleus in the rat. Sofroniew MV. **Am J Anat** 154(2):283–9, Feb 79

Involvement of cGMP in LHRH-stimulated gonadotropin release. Naor Z, et al. **Am J Physiol** 235(6):E586–90, Dec 78

Cell types and glycoprotein cytochemistry in the carp adenohypophysis (Cyprinus carpio L.). Val-Sella MV, et al. **Cell Mol Biol** 23(3):255–31, 1978

Correlation between 3',5', c-AMP levels and thyrotropin in separated rat pituitary thyrotropic cells. Tal E, et al. **Experientia** 34(10):1286–8, 15 Oct 78

Progesterone receptor in the rat anterior pituitary. Transformation and nuclear translocation. Spona J, et al. **FEBS Lett** 97(2):269–74, 15 Jan 79

Purification of pre-prolactin mRNA from bovine anterior pituitary glands. Nilson JH, et al. **J Biol Chem** 254(5):1516–20, 10 Mar 79

Specific interaction of corticosteroids with binding sites in the plasma membranes of the rat anterior pituitary gland. Koch B, et al. **J Endocrinol** 79(2):215–22, Nov 78

Biosynthesis of beta-endorphin, beta-lipotropin and the putative ACTH-LPH precursor in the frog pars intermedia. Pezalla PD, et al. **Life Sci** 23(23):2281–91, 4 Dec 78

Effect of TRH and dopamine on cyclic AMP levels in enriched mammotroph and thyrotroph cells. Barnes GD, et al. **Mol Cell Endocrinol** 12(3):273–84, Dec 78

Estrogen control of prolactin synthesis in vitro. Lieberman ME, et al. **Proc Natl Acad Sci USA** 75(12):5946–9, Dec 78

Pituitary somatotrophs contain [Met]enkephalin-like immunoreactivity. Weber E, et al. **Proc Natl Acad Sci USA** 75(12):6134–8, Dec 78

In vitro analysis of the participation of oxytocin and vasopressin in the gonadotropin releasing hormone-induced release of LH. Caffrey MH, et al. **Proc Soc Exp Biol Med** 159(3):444–8, Dec 78

[Inhibition of LH-RH induced release of gonadotropins by substance P in cultured rat anterior pituitary cells] Kerdelhué B, et al. **C R Acad Sci [D] (Paris)** 287(9):879–82, 16 Oct 78 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Pituitary function and growth hormone dynamics in acromegaloidism. Mims RB. **J Natl Med Assoc** 70(12):919–23, Dec 78

Mechanism of action of hypothalamic hormones in the anterior pituitary gland and specific modulation of their activity by sex steroids and thyroid hormones. Labrie F, et al. **Recent Prog Horm Res** 34:25–93, 1978 (175 ref.)

PHYSIOPATHOLOGY

Hypopituitarism and artificial ventilation. Barber SG. **Acta Endocrinol (Copenh)** 90(2):211–6, Feb 79

Cytogenetic and endocrine studies in a 45,X female subject with spontaneous sexual development. Lisker R, et al. **Am J Obstet Gynecol** 133(2):149–53, 15 Jan 79

Androgenic status of males with systemic lupus erythematosus. Stahl NI, et al. **Arthritis Rheum** 21(6):665–8, Jul-Aug 78

Insulin deficient diabetes. Contrasts with other endocrine deficiencies. Nabarro JD, et al. **Diabetologia** 16(1):5–12, Jan 79 (22 ref.)

Prolactin secretion in nonalcoholic liver cirrhosis. Nunziata V, et al. **Digestion** 18(3–4):157–61, 1978

Pattern of adenohypophyseal hormone changes induced by various stressors in female and male rats. Ruisseau PD, et al. **Neuroendocrinology** 27(5–6):257–71, 1978

Pituitary response to TRH and LHRH in spontaneously hypertensive rats. Sowers JR, et al. **Proc Soc Exp Biol Med** 159(3):397–9, Dec 78

[Growth retardation in histiocytosis X. Evaluation of anterior pituitary function (author's transl)] Calzada LD, et al. **Sem Hop Paris** 54(41–42):1251–6, 18–25 Nov 78 (Eng. Abstr.) **(Fre)**

SECRETION

Growth hormone response to prostaglandin E2. Hamilton W, et al. **Acta Paediatr Scand** 68(2):251–6, Mar 79

Involvement of cGMP in LHRH-stimulated gonadotropin release. Naor Z, et al. **Am J Physiol** 235(6):E586–90, Dec 78

Conversion of high molecular weight CRF (corticotropin-releasing factor) or PRF (prolactin-releasing factor) into lower molecular weight forms by boiling at low pH. Yasuda N, et al. **Biochem Biophys Res Commun** 85(4):1291–8, 29 Dec 78

Isolation and partial characterization of secreted mouse pituitary prolactin. Shoer LF, et al. **Biochim Biophys Acta** 537(2):336–47, 20 Dec 78

Prolactin secretion in nonalcoholic liver cirrhosis. Nunziata V, et al. **Digestion** 18(3–4):157–61, 1978

Further characterization of rat corticotrophin releasing factor [proceedings] Gillies G, et al. **J Endocrinol** 79(2):22P–23P, Nov 78

Calcium as a second messenger in the stimulation of luteinizing hormone secretion. Hopkins CR, et al. **Mol Cell Endocrinol** 12(2):189–208, Nov 78

Dissociation of the porcine anterior pituitary: the kinetics of luteinizing hormone release in response to luteinizing hormone-releasing hormone. Walker AM, et al. **Mol Cell Endocrinol** 12(2):177–87, Nov 78

Corticotropin responsiveness in the neonatal rat. Guillet R, et al. **Neuroendocrinology** 27(3–4):119–25, 1978

In vitro release of ACTH from dispersed rat pars intermedia cells. III. Multiple forms of ACTH biological activity. Kraicer J, et al. **Neuroendocrinology** 27(1–2):86–96, 1978

The brain as an endocrine organ. Guillemin R. **Neurosci Res Program Bull** 16 Suppl:1–25, Aug 78 (58 ref.)

[Biological properties of synthetic somatostatin] Iudaev NA, et al. **Probl Endokrinol (Mosk)** 25(1):75–9, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Pituitary cell transplants to the cerebral ventricles promote growth of hypophysectomized rats. Weiss S, et al. **Proc Soc Exp Biol Med** 159(3):409–13, Dec 78

ULTRASTRUCTURE

Ultrastructural classification of three different rat gonadotrophs after LH-RH stimulation. Seinsch W, et al. **Anat Histol Embryol** 7(4):300–10, Dec 78

Effects of thyroliberin, triiodothyronine and cyclic guanosine 3'5'-monophosphate on the volume of nuclei of thyrotropic cells in rat anterior pituitary in vitro. Lewiński A. **Endokrinologie** 72(2):175–82, May 78

Dissociation of the porcine anterior pituitary: the kinetics of luteinizing hormone release in response to luteinizing hormone-releasing hormone. Walker AM, et al. **Mol Cell Endocrinol** 12(2):177–87, Nov 78

[Relationship between the spawning process and quantitative ultrastructural analysis of the neurosecretory elements of the neurohypophysis of female Acipenser güldenstädti sturgeon] Garlov PE, et al. **Zh Evol Biokhim Fiziol** 14(6):566–70, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

PITUITARY GLAND, POSTERIOR

Inappropriate antidiuretic hormone secretion associated with neurohypophyseal choristoma. Haslett C, et al. **Br Med J** 2(6154):1753, 23–30 Dec 78

ANALYSIS

Conversion of high molecular weight CRF (corticotropin-releasing factor) or PRF (prolactin-releasing factor) into lower molecular weight forms by boiling at low pH. Yasuda N, et al. **Biochem Biophys Res Commun** 85(4):1291–8, 29 Dec 78

Neurophysin.lipid complexes. Characterization of lipid-containing neurophysin from rat posterior pituitary, delipidation, and reaggregation. Audhya TK, et al. **J Biol Chem** 254(2):291–8, 25 Jan 79

CYTOLOGY

An immunohistochemical study of epithelial cells in the posterior lobe and pars tuberalis of the human adult pituitary gland. Osamura RY, et al. **Cell Tissue Res** 194(3):513–24, 12 Dec 78

DRUG EFFECTS

The neurohypophysial vasopressin content as influenced by modified cholinergic or adrenergic transmission during long-term dehydration in the white rat. Guzek JW, et al. **Endokrinologie** 72(2):195–204, May 78

Vasopressin release from incubated in situ posterior pituitary lobe after intraventricular injection of carbachol or atropine. Sobczak Z. **Endokrinologie** 72(2):205–13, May 78

Inhibition by Ca2+ of the adenosine 3' :5'-cyclic monophosphate-stimulated phosphorylation of proteins in membranes from ox neurohypophyseal secretosomes.

Treiman M, et al. **FEBS Lett** 97(1):147–50, 1 Jan 79

ENZYMOLOGY

Subcellular localization of protein carboxyl–methylase and its substrates in rat pituitary lobes. Gagnon C, et al. **J Neurochem** 32(2):567–72, Feb 79

METABOLISM

The ADH–reserve capacity in Brattleboro rats. Laczi F, et al. **Acta Med Acad Sci Hung** 35(2):173–9, 1978

Electron microscopic study of the orthograde axonal transport of horseradish peroxidase in the supraoptico–neurohypophysial tract of the rat. Alonso G, et al. **Cell Tissue Res** 194(3):525–31, 12 Dec 78

Inhibition by Ca2+ of the adenosine 3' :5'–cyclic monophosphate–stimulated phosphorylation of proteins in membranes from ox neurohypophyseal secretosomes. Treiman M, et al. **FEBS Lett** 97(1):147–50, 1 Jan 79

Evolution of vasopressin levels in the hypothalamo–posthypophysial system of the rat during rehydration following water deprivation. Correlation with ultrastructural aspects in the posterior lobe. Rougon–Rapuzzi G, et al. **Neuroendocrinology** 27(1–2):46–62, 1978

[Autoradiographic demonstration of metabolically stable nucleoprotein fraction following labeling with 3h–lysine] Pilgrim C, et al. **Acta Histochem [Suppl] (Jena)** 14:167–72, 1975 **(Ger)**

[Pathways of substance penetration into the neurosecretory axons in the posterior lobe of the rat hypophysis] Ugriumov MV. **Tsitologiia** 20(11):1243–8, Nov 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The neurosecretory neurone: a model system for the study of secretion. Pickering BT. **Essays Biochem** 14:45–81, 1978 (143 ref.)

Corticosteroid and neurohypophyseal hormone control of parturition in the guppy, Poecilia reticulata. Kujala GA. **Gen Comp Endocrinol** 36(2):286–96, Oct 78

Parturition in rodents. Nathanielsz PW. **Semin Perinatol** 2(3):223–34, Jul 78 (86 ref.)

PHYSIOPATHOLOGY

The neurohypophysial vasopressin content as influenced by modified cholinergic or adrenergic transmission during long–term dehydration in the white rat. Guzek JW, et al. **Endokrinologie** 72(2):195–204, May 78

SECRETION

Vasopressin release from incubated in situ posterior pituitary lobe after intraventricular injection of carbachol or atropine. Sobczak Z. **Endokrinologie** 72(2):205–13, May 78

Inactivation of oxytocin release during prolonged electrical stimulation of the rat neural lobe [proceedings] Dyball RE, et al. **J Physiol (Lond)** 284:123P, Nov 78

[The neurophysins (author's transl)] Legros JJ. **Ann Endocrinol (Paris)** 39(4):319–39, Jul–Aug 78 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Evolution of vasopressin levels in the hypothalamo–posthypophysial system of the rat during rehydration following water deprivation. Correlation with ultrastructural aspects in the posterior lobe. Rougon–Rapuzzi G, et al. **Neuroendocrinology** 27(1–2):46–62 1978

*

PITUITARY IRRADIATION

Space occupying growth of a pituitary adenoma producing hGH and hPrl during bromocriptin therapy. Halves E. **Clin Neurol Neurosurg** 80(4):251–7, 1977

Complete remission of acromegaly with medical treatment. Spark RF, et al. **JAMA** 241(6):573–5, 9 Feb 79

Treatment of Cushing's disease by O,p'DDD. Survey of 62 cases. Luton JP, et al. **N Engl J Med** 300(9):459–64, 1 Mar 79

* PITUITARY GLAND, POSTERIOR

(Changes in the hypothalamo–hyophyseal neurosecretory system of mammals following pituitary stalk transection and hypophysectomy). Ugriumov MV. **Arkh Anat Gistol Embriol** 75(12):73–84, Dec 78 (Rus)

Neuroendocrinology of the menstrual cycle in humans. Shaw RW. **Clin Endocrinol Metab** 7(3):531–59, Nov 78

II. *Disorders of the Pituitary Gland*

ACROMEGALY

BLOOD

Abnormal growth hormone responses to CB-154 and thyrotropin-releasing hormone (TRH) in patients with acromegaly. Hanew K, et al. **Tohoku J Exp Med** 127(1):53-62, Jan 79

[Serum growth hormone determination with Phadebas hGH PRIST---experimental and clinical studies] Matsuura H, et al. **Horumon To Rinsho** 26(10):1055-8, Oct 78 **(Jpn)**

COMPLICATIONS

Acromegaly and the heart. An echocardiographic study. Smallridge RC, et al. **Am J Med** 66(1):22-7, Jan 79

The presence of serum creatine kinase 2 (MB) in acromegalic myopathy. Wolf PL, et al. **Enzyme** 23(6):413-5, 1978

DIAGNOSIS

[Muscle flaccidity as a leading and warning symptom in endocrinopathies] Pongratz D, et al. **Verh Dtsch Ges Inn Med** (84):846-52, 1978 (35 ref.) **(Ger)**

[Growth hormone secretion in acromegaly after isolated and combined use of the insulin hypoglycemia, LH-RH and TRH test] Schneider KR, et al. **Verh Dtsch Ges Inn Med** (84):1438-41, 1978 **(Ger)**

DRUG THERAPY

Space occupying growth of a pituitary adenoma producing hGH and hPrl during bromocriptin therapy. Halves E. **Clin Neurol Neurosurg** 80(4):251-7, 1977

Complete remission of acromegaly with medical treatment. Spark RF, et al. **JAMA** 241(6):573-5, 9 Feb 79

Bromocriptine [editorial] **Med J Aust** 2(10):473, 4 Nov 78

[Long-term treatment of acromegaly with bromocriptin--results and experiences after 3 years of therapy] Althoff PH, et al. **Verh Dtsch Ges Inn Med** (84):1441-6, 1978 **(Ger)**

ENZYMOLOGY

The presence of serum creatine kinase 2 (MB) in acromegalic myopathy. Wolf PL, et al. **Enzyme** 23(6):413-5, 1978

ETIOLOGY

Acromegaly; a rare condition which develops insidiously. Tunbridge WM. **Nurs Times** 75(3):110-2, 18 Jan 79

[Postoperative analysis (ophthalmologic and endocrine) of a series of pituitary adenomas] Descuns P, et al. **Rev Otoneuroophtalmol** 50(4):343-52, Jul-Sep 78 **(Fre)**

METABOLISM

Skin thickness and collagen content in progressive systemic sclerosis and localized scleroderma. Rodnan GP, et al. **Arthritis Rheum** 22(2):130-40, Feb 79

Pituitary function and growth hormone dynamics in acromegaloidism. Mims RB. **J Natl Med Assoc** 70(12):919-23, Dec 78

Acromegaly; a rare condition which develops insidiously. Tunbridge WM. **Nurs Times** 75(3):110-2, 18 Jan 79

[Plasma hydroxyproline determination in patients with metabolic diseases of the bone collagen] Leicht E, et al. **Verh Dtsch Ges Inn Med** (84):1115-9, 1978 **(Ger)**

PATHOLOGY

Skin thickness and collagen content in progressive systemic sclerosis and localized scleroderma. Rodnan GP, et al. **Arthritis Rheum** 22(2):130-40, Feb 79

PHYSIOPATHOLOGY

The dynamics of growth hormone and prolactin secretion in acromegalic patients with 'mixed' pituitary tumours. Lamberts SW, et al. **Acta Endocrinol (Copenh)** 90(2):198-210, Feb 79

Pituitary function and growth hormone dynamics in acromegaloidism. Mims RB. **J Natl Med Assoc** 70(12):919-23, Dec 78

RADIOTHERAPY

Complete remission of acromegaly with medical treatment. Spark RF, et al. **JAMA** 241(6):573-5, 9 Feb 79

SURGERY

Trans-sphenoidal surgery for acromegaly: a comparison of cryosurgery and microsurgery [proceedings] Hay ID, et al. **J Endocrinol** 79(2):44P-45P, Nov 78

THERAPY

Complete remission of acromegaly with medical treatment. Spark RF, et al. **JAMA** 241(6):573-5, 9 Feb 79

Acromegaly; a rare condition which develops insidiously. Tunbridge WM. **Nurs Times** 75(3):110-2, 18 Jan 79

ADENOMA, CHROMOPHOBE

BLOOD

[Prolactin secretion tests] Ueda T, et al. **Horumon To Rinsho** 26(10):999-1006, Oct 78 **(Jpn)**

COMPLICATIONS

Malignant pituitary chromophobe adenoma in an infant accompanying diabetes insipidus. Fang CH, et al. **Acta Pathol Jpn** 28(6):995-1002, Nov 78

[Involvement of the posterior angle of the optic chiasm in pituitary tumors; apropos of 2 case reports] Rossazza C, et al. **Rev Otoneuroophtalmol** 50(4):353-5, Jul-Sep 78 **(Fre)**

DIAGNOSIS

Electroencephalographic investigations in sellar tumours, with special regard to different methods of operative treatment. Nau HE, et al. **Acta Neurochir (Wien)** 44(3-4):207-14, 1978

Case 38-1978 [letter] **N Engl J Med** 300(5):262-3, 1 Feb 79

[Hypophyseal chromophobe adenoma with a rare clinical picture of a nasopharyngeal polyp] Mroczkowski E. **Otolaryngol Pol** 32(6):643-6, 1978 **(Pol)**

PATHOLOGY

Malignant pituitary chromophobe adenoma in an infant accompanying diabetes insipidus. Fang CH, et al. **Acta Pathol Jpn** 28(6):995-1002, Nov 78

[Hypophyseal chromophobe adenoma with a rare clinical picture of a nasopharyngeal polyp] Mroczkowski E. **Otolaryngol Pol** 32(6):643-6, 1978 **(Pol)**

RADIOGRAPHY

The case of the lactating woman. Seaman WB. **Hosp Pract** 13(12):33, 37, Dec 78

RADIONUCLIDE IMAGING

Approximate sagittal computer tomography of the sellar and suprasellar regions. Haverling M, et al. **Acta Radiol [Diagn] (Stockh)** 19(6):918-20, 1978

SURGERY

The case of the lactating woman. Seaman WB. **Hosp Pract** 13(12):33, 37, Dec 78

ADENOMA, EOSINOPHILIC

DIAGNOSIS

Electroencephalographic investigations in sellar tumours, with special regard to different methods of operative treatment. Nau HE, et al. **Acta Neurochir (Wien)** 44(3-4):207-14, 1978

ETIOLOGY

Space occupying growth of a pituitary adenoma producing hGH and hPrl during bromocriptin therapy. Halves E. **Clin Neurol Neurosurg** 80(4):251-7, 1977

SECRETION

Space occupying growth of a pituitary adenoma producing hGH and hPrl during bromocriptin therapy. Halves E. **Clin Neurol Neurosurg** 80(4):251-7, 1977

THERAPY

Space occupying growth of a pituitary adenoma producing hGH and hPrl during bromocriptin therapy. Halves E. **Clin Neurol Neurosurg** 80(4):251-7, 1977

CHIARI-FROMMEL SYNDROME

ETIOLOGY

Thyrotropin releasing hormone, somatostatin, and galactorrhea [letter] DiNicola AF. **Am J Clin Nutr** 32(2):279-8, Feb 79

CRANIOPHARYNGIOMA

ANALYSIS

Distribution of beta2-microglobulin in cerebrospinal fluid and in cystic fluid of brain tumors. A preliminary study. Schaub C, et al. **Pathol Biol (Paris)** 26(6):381-5, Sep 78

CEREBROSPINAL FLUID

Distribution of beta2-microglobulin in cerebrospinal fluid and in cystic fluid of brain tumors. A preliminary study. Schaub C, et al. **Pathol Biol (Paris)** 26(6):381-5, Sep 78

COMPLICATIONS

Ocular involvement in recurrent cyst of Rathke's cleft: Case report. Iraci G, et al. **Ann Ophthalmol** 11(1):94-8, Jan 79

DIAGNOSIS

Electroencephalographic investigations in sellar tumours, with special regard to different methods of operative treatment. Nau HE, et al. **Acta Neurochir (Wien)** 44(3-4):207-14, 1978

Ocular involvement in recurrent cyst of Rathke's cleft: Case report. Iraci G, et al. **Ann Ophthalmol** 11(1):94-8, Jan 79

Computerized tomographic scanning not very helpful in dementia--nor in craniopharyngioma [letter] Volpe BT, et al. **N Engl J Med** 300(8):437, 22 Feb 79

Endoscopic biopsy of intraventricular tumors with the use of a ventriculofiberscope. Fukushima T. **Neurosurgery** 2(2):110-3, Mar-Apr 78

Computed axial tomography in intracranial neoplasms in children. Richter IA, et al. **S Afr Med J** 54(13):520-4, 23 Sep 78

PHYSIOPATHOLOGY

[Study of the hypothalamo-pituitary adrenal function in 16 patients after surgery for pituitary tumor (author's transl)] Laurent MF, et al. **Ann Endocrinol (Paris)** 39(4):267-79, Jul-Aug 78 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Computerized tomographic scanning not very helpful in dementia--nor in craniopharyngioma [letter] Volpe BT, et al. **N Engl J Med** 300(8):437, 22 Feb 79

[Metrizamide CT cisternography in skull base tumors (author's transl)] Tsuyumu M, et al. **No Shinkei Geka** 7(1):49-54, Jan 79 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Approximate sagittal computer tomography of the sellar and suprasellar regions. Haverling M, et al. **Acta Radiol [Diagn] (Stockh)** 19(6):918-20, 1978

RADIOTHERAPY

[Bilateral basal ganglia calcification following radiation therapy for brain tumors (author's transl)] Yamashita J, et al. **Neurol Med Chir (Tokyo)** 18(11 Pt 2):851-6, Dec 78 (Eng. Abstr.) **(Jpn)**

SURGERY

Ocular involvement in recurrent cyst of Rathke's cleft: Case report. Iraci G, et al. **Ann Ophthalmol** 11(1):94-8, Jan 79

Craniopharyngioma in childhood: the nature and management of early postoperative fluid and electrolyte disturbance. Chapman SJ, et al. **Dev Med Child Neurol** 20(5):598-604, Oct 78

Transsphenoidal hypophysectomy--pituitary microneurosurgery. Pelofsky S. **J Okla State Med Assoc** 72(2):41-2, Feb 79

Transcallosal approach to the anterior ventricular system. Shucart WA, et al. **Neurosurgery** 3(3):339-43, Nov-Dec 78

[Study of the hypothalamo-pituitary adrenal function in 16 patients after surgery for pituitary tumor (author's transl)] Laurent MF, et al. **Ann Endocrinol (Paris)** 39(4):267-79, Jul-Aug 78 (Eng. Abstr.) **(Fre)**

THERAPY

Management of some intracranial tumors in children and adults. Bloom HJ. **Prog Clin Biol Res** 25:55-84, 1978 (42 ref.)

DIABETES INSIPIDUS

BLOOD

[The neurophysins (author's transl)] Legros JJ. **Ann Endocrinol (Paris)** 39(4):319-39, Jul-Aug 78 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Vasopressin-resistant nephrogenic diabetes insipidus. A result of amphotericin B therapy. Barbour GL, et al. **Arch Intern Med** 139(1):86-8, Jan 79

[Diabetes insipidus and exogenous antidiuretic hormone activity modifications by lithium in the rat] Giovannangeli M, et al. **C R Soc Biol (Paris)** 172(3):505-11, 1978 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Traumatic hypopituitarism associated with bitemporal hemianopia in a prepuberal child. Prosperi L, et al. **J Pediatr Opthalmol Strabismus** 15(6):376-82, Nov-Dec 78

Optic nerve hypoplasia with diabetes insipidus. Sheridan SJ, et al. **J Pediatr Opthalmol Strabismus** 15(2):82-4, Mar-Apr 78

Cyclophosphamide treatment of diabetes insipidus in Wegener's granulomatosis [letter] Pont A, et al. **N Engl J Med** 300(5):259-60, 1 Feb 79

Intracranial teratocarcinoma in a child with anterior sacral and intrasacral meningocele. Holness RO, et al. **Neurosurgery** 2(2):143-7, Mar-Apr 78

Endocrinologic aspects of failure to thrive. Abrams CA. **Pediatr Ann** 7(11):760-6, Nov 78

[Septo-optic dysplasia with antidiuretic hormone deficiency and central adrenocortical insufficiency. Three cases report in infants (author's transl)] Benoit Gonin JJ, et al. **Nouv Presse Med** 7(37):3327-31, 28 Oct 78 (Eng. Abstr.) **(Fre)**

[Growth retardation in histiocytosis X. Evaluation of anterior pituitary function (author's transl)] Calzada LD, et al. **Sem Hop Paris** 54(41-42):1251-6, 18-25 Nov 78 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Optic nerve hypoplasia with diabetes insipidus. Sheridan SJ, et al. **J Pediatr Opthalmol Strabismus** 15(2):82-4, Mar-Apr 78

DRUG THERAPY

Ten-year experience with DDAVP in treatment of diabetes insipidus. Marek J, et al. **Endokrinologie** 72(2):188–94, May 78

Optic nerve hypoplasia with diabetes insipidus. Sheridan SJ, et al. **J Pediatr Opthalmol Strabismus** 15(2):82–4, Mar–Apr 78

Cyclophosphamide treatment of diabetes insipidus in Wegener's granulomatosis [letter] Pont A, et al. **N Engl J Med** 300(5):259–60, 1 Feb 79

[Septo-optic dysplasia with antidiuretic hormone deficiency and central adrenocortical insufficiency. Three cases report in infants (author's transl)] Benoit Gonin JJ, et al. **Nouv Presse Med** 7(37):3327–31, 28 Oct 78 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Malignant pituitary chromophobe adenoma in an infant accompanying diabetes insipidus. Fang CH, et al. **Acta Pathol Jpn** 28(6):995–1002, Nov 78

Idiopathic diabetes insipidus occurring in a patient with Turner's syndrome. Balkin MS, et al. **Mt Sinai J Med (NY)** 45(6):742–7, Nov–Dec 78

[Changes in the hypothalamo-hyophyseal neurosceretory system of mammals following pituitary stalk transection and hypophysectomy] Ugriumov MV. **Arkh Anat Gistol Embriol** 75(12):73–84, Dec 78 (81 ref.) (Eng. Abstr.) **(Rus)**

[Diabetes insipidus and adenocarcinoma of the lung] Candel Monserrate I, et al. **Rev Clin Esp** 151(1):69–72, 15 Oct 78 **(Spa)**

FAMILIAL & GENETIC

Renal excretion of prostaglandins E2 and F2alpha in diabetes insipidus rats. Dunn MJ, et al. **Am J Physiol** 235(6):E624–7, Dec 78

[The neurophysins (author's transl)] Legros JJ. **Ann Endocrinol (Paris)** 39(4):319–39, Jul–Aug 78 (Eng. Abstr.) **(Fre)**

METABOLISM

The ADH-reserve capacity in Brattleboro rats. Laczi F, et al. **Acta Med Acad Sci Hung** 35(2):173–9, 1978

Renal excretion of prostaglandins E2 and F2alpha in diabetes insipidus rats. Dunn MJ, et al. **Am J Physiol** 235(6):E624–7, Dec 78

PATHOLOGY

Malignant pituitary chromophobe adenoma in an infant accompanying diabetes insipidus. Fang CH, et al. **Acta Pathol Jpn** 28(6):995–1002, Nov 78

[Diabetes insipidus and adenocarcinoma of the lung] Candel Monserrate I, et al. **Rev Clin Esp** 151(1):69–72, 15 Oct 78 **(Spa)**

PHYSIOPATHOLOGY

Proximal tubular reabsorption during hydrochlorothiazide-induced anti-diuresis in diabetes insipidus [proceedings] Laycock JF, et al. **J Physiol (Lond)** 284:74P–75P, Nov 78

Inhibition of the renin-angiotensin-system in Brattleboro rats with hereditary hypothalamic diabetes insipidus. Mann JF, et al. **Klin Wochenschr** 56 Suppl 1:67–70, 1978

The syndromes of primary hormone resistance. Verhoeven GF, et al. **Metabolism** 28(3):253–89, Mar 79 (300 ref.)

[Diabetes insipidus and exogenous antidiuretic hormone activity modifications by lithium in the rat] Giovannangeli M, et al. **C R Soc Biol (Paris)** 172(3):505–11, 1978 (Eng. Abstr.) **(Fre)**

[Comparison of the diuretic and natriuretic effects of dopamine in control and diabetes insipidus dogs. Effect of propranolol] Montastruc P, et al. **C R Soc Biol (Paris)** 172(3):560–4, 1978 (Eng. Abstr.) **(Fre)**

URINE

The ADH-reserve capacity in Brattleboro rats. Laczi F, et al. **Acta Med Acad Sci Hung** 35(2):173–9, 1978

Renal excretion of prostaglandins E2 and F2alpha in diabetes insipidus rats. Dunn MJ, et al. **Am J Physiol** 235(6):E624–7, Dec 78

[Disorders of the concentration and dilution of the urine] Guignard JP. **Rev Med Suisse Romande** 98(11):611–22, Nov 78 **(Fre)**

DWARFISM

Thanatophoric dwarfism. Fryns JP, et al. **Acta Paediatr Belg** 31(4):Suppl VIII: 57–64, Oct–Dec 78

The Kniest (Swiss cheese cartilage) syndrome. Description of a distinct arthropathy. Frayha R, et al. **Arthritis Rheum** 22(3):286–9, Mar 79

CLASSIFICATION

[Pancreatic beta cell function in various types of nanism] De Matteis F, et al. **Boll Soc Ital Biol Sper** 54(2):173–9, 30 Jan 78 **(Ita)**

COMPLICATIONS

False positive sweat test, malnutrition, and the Mauriac syndrome. Rosenfeld R, et al. **J Pediatr** 94(2):240–2, Feb 79

[Dwarfism and constrictive pericarditis. Apropos of a case of so-called Mulibrey dwarfism with hypereosinophilia] Kabaker M, et al. **Arch Mal Coeur** 71(10):1160–5, Oct 78 (Eng. Abstr.) **(Fre)**

[Classification of jaundice caused by intrahepatic cholestasis and etiopathogenetic considerations] Proscia N. **Minerva Chir** 33(22):1647–52, 30 Nov 78 **(Ita)**

DIAGNOSIS

Thanatophoric dwarfism. Fryns JP, et al. **Acta Paediatr Belg** 31(4):Suppl VIII: 57–64, Oct–Dec 78

Solitary maxillary central incisor and normal stature. Wesley RK, et al. **Oral Surg** 46(6):837–42, Dec 78

FAMILIAL & GENETIC

Johanson--Blizzard syndrome. Day DW, et al. **Birth Defects** 14(6B):275–87, 1978

Dyssegmental dwarfism (?s): lethal anisospondylic camptomicromelic dwarfism. Gorlin RJ, et al. **Birth Defects** 14(6B):193–7, 1978

Short stature, absent thumbs, flat facies, anosmia and combined immune deficiency (CID). Shokeir MH. **Birth Defects** 14(6A):103–16, 1978

Suppression of the frequencies of sister chromatid exchanges in Bloom's syndrome fibroblasts by co-cultivation with Chinese hamster cells. van Buul PP, et al. **Hum Genet** 44(2):187–9, 31 Oct 78

[Unusual aspect of a case of congenital absence of the vagina (Mayer-Rokitansky-Kuster-Hauser syndrome)] Lodi A, et al. **G Clin Med** 59(9–10):409–13, Sep–Oct 78 **(Ita)**

METABOLISM

Excision repair in ataxia telangiectasia, Fanconi's anemia, Cockayne syndrome, and Bloom's syndrome after treatment with ultraviolet radiation and N-acetoxy-2-acetylaminofluorene. Ahmed FE, et al. **Biochim Biophys Acta** 521(2):805–17, 21 Dec 78

PHYSIOPATHOLOGY

[Pancreatic beta cell function in various types of nanism] De Matteis F, et al. **Boll Soc Ital Biol Sper** 54(2):173–9, 30 Jan 78 **(Ita)**

RADIOGRAPHY

Thanatophoric dwarfism. Fryns JP, et al. **Acta Paediatr Belg** 31(4):Suppl VIII: 57–64, Oct–Dec 78

The Kniest (Swiss cheese cartilage) syndrome. Description of a distinct arthropathy. Frayha R, et al. **Arthritis Rheum** 22(3):286–9, Mar 79

DWARFISM, PITUITARY

BLOOD

[Somatomedin following administration of growth hormone in pituitary dwarfism] Marek J, et al. **Cesk Pediatr** 33(10):582–6, Oct 78 (Eng. Abstr.) **(Cze)**

[Serum growth hormone determination with Phadebas hGH PRIST---experimental and clinical studies] Matsuura H, et al. **Horumon To Rinsho** 26(10):1055–8, Oct 78 **(Jpn)**

COMPLICATIONS

Coexistence of deficiency in alpha1 antitrypsin and in growth hormone [letter] Schydlower M, et al. **N Engl J Med** 300(7):366, 15 Feb 79

DRUG THERAPY

[Our experience with the management of pituitary dwarfism] Hniková O, et al. **Cesk Pediatr** 33(10):591–3, Oct 78 (Eng. Abstr.) **(Cze)**

[Somatomedin following administration of growth hormone in pituitary dwarfism] Marek J, et al. **Cesk Pediatr** 33(10):582–6, Oct 78 (Eng. Abstr.) **(Cze)**

FAMILIAL & GENETIC

[Genetic basis of the familial form of hypothalamo–hypophyseal dwarfism in children] Rybak M, et al. **Cesk Pediatr** 33(10):594–7, Oct 78 (Eng. Abstr.) **(Cze)**

PHYSIOPATHOLOGY

[Genetic basis of the familial form of hypothalamo–hypophyseal dwarfism in children] Rybak M, et al. **Cesk Pediatr** 33(10):594–7, Oct 78 (Eng. Abstr.) **(Cze)**

[Bioelectric activity of the brain in hypopituitary dwarfism] Vítová Z, et al. **Cesk Pediatr** 33(10):587–90, Oct 78 (Eng. Abstr.) **(Cze)**

EMPTY SELLA SYNDROME

COMPLICATIONS

Pregnancy associated with the empty sella syndrome and hyperprolactinemia. Coulam CB, et al. **Fertil Steril** 31(2):220–3, Feb 79

Coexistent empty sella and prolactin–secreting microadenoma. Swanson JA, et al. **Obstet Gynecol** 53(2):258–63, Feb 79

[Headache, visual disturbance and amblyopic attack associated with sellar enlargement--primary empty sella syndrome (author's transl)] Tomonaga M, et al. **No Shinkei Geka** 6(12):1145–54, Dec 78 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

[Headache, visual disturbance and amblyopic attack associated with sellar enlargement--primary empty sella syndrome (author's transl)] Tomonaga M, et al. **No Shinkei Geka** 6(12):1145–54, Dec 78 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

[Primary empty sella: report of five cases (author's transl)] Kikuchi K, et al. **Rinsho Hoshasen** 24(1):21–6, Jan 79 (Eng. Abstr.) **(Jpn)**

SURGERY

[Headache, visual disturbance and amblyopic attack associated with sellar enlargement--primary empty sella syndrome (author's transl)] Tomonaga M, et al. **No Shinkei Geka** 6(12):1145–54, Dec 78 (Eng. Abstr.) **(Jpn)**

GIGANTISM

COMPLICATIONS

Cerebral gigantism (Sotos' syndrome) and cataracts. Yeh H, et al. **j Pediatr Opthalmol Strabismus** 15(4):231–2, Jul–Aug 78

[Beckwith Wiedemann syndrom (author's transl)] Alain JL, et al. **Chir Pediatr** 19(4):239–45, Jul–Aug 78 (Eng. Abstr.) **(Fre)**

HYPOPITUITARISM

BLOOD

Determination of serum cortisol and 11–deoxycortisol by liquid chromatography. Reardon GE, et al. **Clin Chem** 25(1):122–6, Jan 79

COMPLICATIONS

Congenital hypopituitarism in female infants. Its association with hypoglycemia and hypothyroidism. Kauschansky A, et al. **Am J Dis Child** 133(2):165–9, Feb 79

Traumatic hypopituitarism associated with bitemporal hemianopia in a prepuberal child. Prosperi L, et al. **j Pediatr Opthalmol Strabismus** 15(6):376–82, Nov–Dec 78

Intracranial teratocarcinoma in a child with anterior sacral and intrasacral meningocele. Holness RO, et al. **Neurosurgery** 2(2):143–7, Mar–Apr 78

Endocrinologic aspects of failure to thrive. Abrams CA. **Pediatr Ann** 7(11):760–6, Nov 78

Failure to thrive without organic reason. English PC. **Pediatr Ann** 7(11):774–81, Nov 78

[Septo–optic dysplasia with antidiuretic hormone deficiency and central adrenocortical insufficiency. Three cases report in infants (author's transl)] Benoit Gonin JJ, et al. **Nouv Presse Med** 7(37):3327–31, 28 Oct 78 (Eng. Abstr.) **(Fre)**

CONGENITAL

Hyperbilirubinaemia and idiopathic hypopituitarism in the newborn period. Drop SL, et al. **Acta Paediatr Scand** 68(2):277–80, Mar 79

Congenital hypopituitarism in female infants. Its association with hypoglycemia and hypothyroidism. Kauschansky A, et al. **Am J Dis Child** 133(2):165–9, Feb 79

DIAGNOSIS

Hypopituitarism and artificial ventilation. Barber SG. **Acta Endocrinol (Copenh)** 90(2):211–6, Feb 79

Hyperbilirubinaemia and idiopathic hypopituitarism in the newborn period. Drop SL, et al. **Acta Paediatr Scand** 68(2):277–80, Mar 79

Traumatic hypopituitarism associated with bitemporal hemianopia in a prepuberal child. Prosperi L, et al. **j Pediatr Opthalmol Strabismus** 15(6):376–82, Nov–Dec 78

ETIOLOGY

Hypopituitarism and artificial ventilation. Barber SG. **Acta Endocrinol (Copenh)** 90(2):211–6, Feb 79

Traumatic hypopituitarism associated with bitemporal hemianopia in a prepuberal child. Prosperi L, et al. **j Pediatr Opthalmol Strabismus** 15(6):376–82, Nov–Dec 78

Hypopituitarism as a delayed result of irradiation of the facial skin. Boers GH, et al. **Neth J Med** 21(6):252–6, 1978

[A case of internal carotid giant aneurysm with bilateral visual disturbance and panhypopituitarism treated by direct surgery (author's transl)] Uozumi T, et al. **No Shinkei Geka** 7(1):25–31, Jan 79 (Eng. Abstr.) **(Jpn)**

METABOLISM

[The renin–angiotensin system in chronic idiopathic pituitary insufficiency] Levin GM, et al. **Medicina (B Aires)** 38(5):519–23, Sep–Oct 78 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Congenital hypopituitarism in female infants. Its association with hypoglycemia and hypothyroidism. Kauschansky A, et al. **Am J Dis Child** 133(2):165–9, Feb 79

PHYSIOPATHOLOGY

Hypopituitarism and artificial ventilation. Barber SG. **Acta Endocrinol (Copenh)** 90(2):211–6, Feb 79

THERAPY

Insulin and growth hormone: regulators of growth with particular reference to muscle. Cheek DB, et al. **Kidney Int** 14(4):317–22, Oct 78 (41 ref.)

INAPPROPRIATE ADH SYNDROME

BLOOD

Long–term treatment of the syndrome of inappropriate antidiuretic hormone secretion with phenytoin. Tanay A, et al. **Ann Intern Med** 90(1):50–2, Jan 79

COMPLICATIONS

Hyponatremia in legionnaires' disease [letter] Richards V. **Ann Intern Med** 90(1):132–3, Jan 79

Craniopharyngioma in childhood: the nature and management of early postoperative fluid and electrolyte disturbance. Chapman SJ, et al. **Dev Med Child Neurol** 20(5):598–604, Oct 78

Hyponatremic syndromes. Levin ML. **Med Clin North Am** 62(6):1257–72, Nov 78 (25 ref.)

[Schwartz–Bartter syndrome in a patient with angioimmunoblastic lymphadenopathy (letter)] Theodorou–Touchais AM, et al. **Nouv Presse Med** 7(38):3458, 4 Nov 78 **(Fre)**

DIAGNOSIS

Hyponatremia in legionnaires' disease [letter] Richards V. **Ann Intern Med** 90(1):132–3, Jan 79

Clinicopathological conference. Hypo–osmotic encephalopathy following renal arteriogram. Sehn JT, et al. **J Urol** 121(1):79–81, Jan 79

DRUG THERAPY

Long–term treatment of the syndrome of inappropriate antidiuretic hormone secretion with phenytoin. Tanay A, et al. **Ann Intern Med** 90(1):50–2, Jan 79

Craniopharyngioma in childhood: the nature and management of early postoperative fluid and electrolyte disturbance. Chapman SJ, et al. **Dev Med Child Neurol** 20(5):598–604, Oct 78

[Syndrome of inappropriate secretion of antidiuretic hormone treated with lithium carbonate] Marchiori PE, et al. **Rev Hosp Clin Fac Med Sao Paulo** 33(5):248–53, Oct 78 (Eng. Abstr.) **(Por)**

ETIOLOGY

Inappropriate antidiuretic hormone secretion associated with neurohypophyseal choristoma. Haslett C, et al. **Br Med J** 2(6154):1753, 23–30 Dec 78

Syndrome of inappropriate antidiuretic hormone secretion after spontaneous subarachnoid hemorrhage: a reversible cause of clinical deterioration. Wise BL. **Neurosurgery** 3(3):412–4, Nov–Dec 78

[Syndrome of inappropriate secretion of antidiuretic hormone treated with lithium carbonate] Marchiori PE, et al. **Rev Hosp Clin Fac Med Sao Paulo** 33(5):248–53, Oct 78 (Eng. Abstr.) **(Por)**

THERAPY

Syndrome of inappropriate antidiuretic hormone secretion after spontaneous subarachnoid hemorrhage: a reversible cause of clinical deterioration. Wise BL. **Neurosurgery** 3(3):412–4, Nov–Dec 78

INFANTILISM

DIAGNOSIS

[Some clinical features distinguishing the delayed neuropsychic development of preschool and early school–age children] Kulikov ES. **Sov Med** (12):52–6, Dec 78 (Eng. Abstr.) **(Rus)**

NELSON SYNDROME

BLOOD

Immunoreactive beta–MSH in human plasma and in a corticotrophic adenoma culture medium. Its relation to the lipotrophins. Bertagna X, et al. **Acta Endocrinol (Copenh)** 90(1):8–17, Jan 79

Presence of immunoreactive beta–endorphin in plasma of patients with Nelson's syndrome and Addison's disease. Nakai Y, et al. **Life Sci** 23(23):2293–8, 4 Dec 78

PITUITARY DISEASES

DRUG THERAPY

Hypothalamic hypernatremia due to volume––dependent ADH release, and its treatment with carbamazepine and clofibrate. Kimura T, et al. **Tohoku J Exp Med** 127(2):101–11, Feb 79

ETIOLOGY

[Neurofibromatosis Recklinghausen with cerebral manifestation and deficiency of pituitary hormones (author's transl)] Frisch H, et al. **Monatsschr Kinderheilkd** 126(12):722–4, Dec 78 (Eng. Abstr.) **(Ger)**

METABOLISM

Hypothalamic hypernatremia due to volume––dependent ADH release, and its treatment with carbamazepine and clofibrate. Kimura T, et al. **Tohoku J Exp Med** 127(2):101–11, Feb 79

SURGERY

[Methodological comments on rhinological approaches and interventions on the floor of the skull and hypophysis] Černý E, et al. **Cesk Otolaryngol** 27(6):321–331, Dec 78 (Eng. Abstr.) **(Cze)**

PITUITARY GLAND

ABNORMALITIES

Congenital hypopituitarism in female infants. Its association with hypoglycemia and hypothyroidism. Kauschansky A, et al. **Am J Dis Child** 133(2):165–9, Feb 79

PITUITARY NEOPLASMS

ANALYSIS

Immunoreactive beta–MSH in human plasma and in a corticotrophic adenoma culture medium. Its relation to the lipotrophins. Bertagna X, et al. **Acta Endocrinol (Copenh)** 90(1):8–17, Jan 79

BLOOD

Immunoreactive beta–MSH in human plasma and in a corticotrophic adenoma culture medium. Its relation to the lipotrophins. Bertagna X, et al. **Acta Endocrinol (Copenh)** 90(1):8–17, Jan 79

Presence of immunoreactive beta–endorphin in plasma of patients with Nelson's syndrome and Addison's disease. Nakai Y, et al. **Life Sci** 23(23):2293–8, 4 Dec 78

Transsphenoidal microsurgery for tumors of the hypophysis. Velo AG, et al. **Va Med** 106(1):49–52, Jan 79

[Prolactin secretion abnormality––introduction] Ibayashi H. **Horumon To Rinsho** 26(10):991–7, Oct 78 **(Jpn)**

[Prolactin secretion tests] Ueda T, et al. **Horumon To Rinsho** 26(10):999–1006, Oct 78 **(Jpn)**

CEREBROSPINAL FLUID

Spectrum of total fatty acids in cerebrospinal fluid determined by gas chromatography. Tichý J, et al. **J Chromatogr** 162(2):185–96, 21 Feb 79

[Prolactin secreting pituitary neoplasms] Uozumi T, et al. **Horumon To Rinsho** 26(10):1007–14, Oct 78 **(Jpn)**

CHEMICALLY INDUCED

Carcinogenicity of kepone. Reuber MD. **J Toxicol Environ Health** 4(5–6):895–911, Sep–Nov 78 (7 ref.)

The prolactinoma problem [editorial] Reichlin S. **N Engl J Med** 300(6):313–5, 8 Feb 79

COMPLICATIONS

Malignant pituitary chromophobe adenoma in an infant accompanying diabetes insipidus. Fang CH, et al. **Acta Pathol Jpn** 28(6):995–1002, Nov 78

Ocular involvement in recurrent cyst of Rathke's cleft: Case report. Iraci G, et al. **Ann Ophthalmol** 11(1):94–8, Jan 79

EEG changes and serum cortisol levels in cushing's syndrome. Tucker RP, et al. **Clin Electroencephalogr** 9(1):32–7, Jan 78

Regression of a prolactin–secreting pituitary tumor during long–term treatment with bromocriptine. Nillius SJ, et al. **Fertil Steril** 30(6):710–2, Dec 78

Acromegaly; a rare condition which develops insidiously. Tunbridge WM. **Nurs Times** 75(3):110–2, 18 Jan 79

Coexistent empty sella and prolactin-secreting microadenoma. Swanson JA, et al. **Obstet Gynecol** 53(2):258–63, Feb 79

Endocrine evaluation of the infertile male. Snyder PJ. **Urol Clin North Am** 5(3):451–62, Oct 78

[Neuropathology and pregnancy. 189 consecutive cases (1971--1976) (author's transl)] Faguer C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(6):1097–121, Sep 78 (Eng. Abstr.) **(Fre)**

[Postoperative analysis (ophthalmologic and endocrine) of a series of pituitary adenomas] Descuns P, et al. **Rev Otoneuroophtalmol** 50(4):343–52, Jul–Sep 78 **(Fre)**

[Involvement of the posterior angle of the optic chiasm in pituitary tumors; apropos of 2 case reports] Rossazza C, et al. **Rev Otoneuroophtalmol** 50(4):353–5, Jul–Sep 78 **(Fre)**

[Evaluation of the effectiveness of the diagnosis and initial therapy by means of bite plates] Schubert R. **Dtsch Zahnaerztl Z** 34(1):19–22, Jan 79 (Eng. Abstr.) **(Ger)**

[Clinical aspects and hormonal study of amenorrhea-galactorrhea syndromes (AGS)] Rendina GM, et al. **Riv Ital Ginecol** 58(1–2):45–69, Jan–Apr 77 (Eng. Abstr.) **(Ita)**

[The neuroradiological findings in Cushing's disease (author's transl)] Nakane T. **Rinsho Hoshasen** 24(1):15–9, Jan 79 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Electroencephalographic investigations in sellar tumours, with special regard to different methods of operative treatment. Nau HE, et al. **Acta Neurochir (Wien)** 44(3–4):207–14, 1978

Ocular involvement in recurrent cyst of Rathke's cleft: Case report. Iraci G, et al. **Ann Ophthalmol** 11(1):94–8, Jan 79

Computerized tomographic scanning not very helpful in dementia--nor in craniopharyngioma [letter] Volpe BT, et al. **N Engl J Med** 300(8):437, 22 Feb 79

Computed axial tomography in intracranial neoplasms in children. Richter IA, et al. **S Afr Med J** 54(13):520–4, 23 Sep 78

[Results of a critical recheck of the diagnosis of 'inactive' pituitary adenoma] Olbricht T, et al. **Verh Dtsch Ges Inn Med** (84):1435–8, 1978 **(Ger)**

[Hypophyseal chromophobe adenoma with a rare clinical picture of a nasopharyngeal polyp] Mroczkowski E. **Otolaryngol Pol** 32(6):643–6, 1978 **(Pol)**

DRUG THERAPY

Regression of a prolactin-secreting pituitary tumor during long-term treatment with bromocriptine. Nillius SJ, et al. **Fertil Steril** 30(6):710–2, Dec 78

Reduction in size of a pituitary tumor by bromocriptine therapy. McGregor AM, et al. **N Engl J Med** 300(6):291–3, 8 Feb 79

The prolactinoma problem [editorial] Reichlin S. **N Engl J Med** 300(6):313–5, 8 Feb 79

[Tumour regression in pituitary adenoma by bromocriptin (author's transl)] Mühlenstedt D, et al. **Arch Gynecol** 226(4):341–6, 29 Dec 78 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Space occupying growth of a pituitary adenoma producing hGH and hPrl during bromocriptin therapy. Halves E. **Clin Neurol Neurosurg** 80(4):251–7, 1977

METABOLISM

Application of continuous perifusion to human pituitary adenomas in vitro [proceedings] Lawton NF, et al. **J Endocrinol** 79(2):45P–46P, Nov 78

OCCURRENCE

Epidemiology of primary nervous system neoplasms. Schoenberg BS. **Adv Neurol** 19:475–95, 1978

PATHOLOGY

Ectopic ACTH-MSH producing carcinoid tumor with multiple endocrine hyperplasia in a child. Amano S, et al. **Acta Pathol Jpn** 28(5):721–30, Sep 78

Malignant pituitary chromophobe adenoma in an infant accompanying diabetes insipidus. Fang CH, et al. **Acta Pathol Jpn** 28(6):995–1002, Nov 78

Chronic lymphocytic leukemia showing pituitary tumor with massive leukemic cell infiltration, and special reference to clinicopathological findings of CLL. Nemoto K, et al. **Acta Pathol Jpn** 28(5):797–805, Sep 78

Reduction in size of a pituitary tumor by bromocriptine therapy. McGregor AM, et al. **N Engl J Med** 300(6):291–3, 8 Feb 79

Treatment of intracavernous extensions of pituitary adenomas. MacKay A, et al. **Surg Neurol** 10(6):377–83, Dec 78

[Hypophyseal chromophobe adenoma with a rare clinical picture of a nasopharyngeal polyp] Mroczkowski E. **Otolaryngol Pol** 32(6):643–6, 1978 **(Pol)**

PHYSIOPATHOLOGY

The dynamics of growth hormone and prolactin secretion in acromegalic patients with 'mixed' pituitary tumours. Lamberts SW, et al. **Acta Endocrinol (Copenh)** 90(2):198–210, Feb 79

Prolactin-secreting tumors and hypogonadism in men [letter] **N Engl J Med** 300(10):563–4, 8 Mar 79

[Study of the hypothalamo-pituitary adrenal function in 16 patients after surgery for pituitary tumor (author's transl)] Laurent MF, et al. **Ann Endocrinol (Paris)** 39(4):267–79, Jul–Aug 78 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

The case of the lactating woman. Seaman WB. **Hosp Pract** 13(12):33, 37, Dec 78

Reduction in size of a pituitary tumor by bromocriptine therapy. McGregor AM, et al. **N Engl J Med** 300(6):291–3, 8 Feb 79

Computerized tomographic scanning not very helpful in dementia--nor in craniopharyngioma [letter] Volpe BT, et al. **N Engl J Med** 300(8):437, 22 Feb 79

Coexistent empty sella and prolactin-secreting microadenoma. Swanson JA, et al. **Obstet Gynecol** 53(2):258–63, Feb 79

RADIONUCLIDE IMAGING

Approximate sagittal computer tomography of the sellar and suprasellar regions. Haverling M, et al. **Acta Radiol [Diagn] (Stockh)** 19(6):918–20, 1978

SECRETION

The dynamics of growth hormone and prolactin secretion in acromegalic patients with 'mixed' pituitary tumours. Lamberts SW, et al. **Acta Endocrinol (Copenh)** 90(2):198–210, Feb 79

Space occupying growth of a pituitary adenoma producing hGH and hPrl during bromocriptin therapy. Halves E. **Clin Neurol Neurosurg** 80(4):251–7, 1977

Regression of a prolactin-secreting pituitary tumor during long-term treatment with bromocriptine. Nillius SJ, et al. **Fertil Steril** 30(6):710–2, Dec 78

Evidence from culture techniques that human pituitary adenomas secrete both growth hormone and prolactin [proceedings] Mashiter K, et al. **J Endocrinol** 79(2):46P–57P, Nov 78

Reduction in size of a pituitary tumor by bromocriptine therapy. McGregor AM, et al. **N Engl J Med** 300(6):291–3, 8 Feb 79

The prolactinoma problem [editorial] Reichlin S. **N Engl J Med** 300(6):313–5, 8 Feb 79

Coexistent empty sella and prolactin-secreting microadenoma. Swanson JA, et al. **Obstet Gynecol** 53(2):258–63, Feb 79

[Prolactin secreting pituitary neoplasms] Uozumi T, et al. **Horumon To Rinsho** 26(10):1007–14, Oct 78 **(Jpn)**

SURGERY

Ocular involvement in recurrent cyst of Rathke's cleft: Case report. Iraci G, et al. **Ann Ophthalmol** 11(1):94–8, Jan 79

Craniopharyngioma in childhood: the nature and management of early postoperative fluid and electrolyte disturbance. Chapman SJ, et al. **Dev Med Child Neurol** 20(5):598–604, Oct 78

The case of the lactating woman. Seaman WB. **Hosp Pract** 13(12):33, 37, Dec 78

Transsphenoidal hypophysectomy--pituitary microneurosurgery. Pelofsky S. **J Okla State Med Assoc** 72(2):41–2, Feb 79

Source of ACTH in Cushing's disease [letter] Wahl TO, et al. **N Engl J Med** 300(12):679, 22 Mar 79

Treatment of intracavernous extensions of pituitary adenomas. MacKay A, et al. **Surg Neurol** 10(6):377–83, Dec 78

Transsphenoidal microsurgery for tumors of the hypophysis. Velo AG, et al. **Va Med** 106(1):49–52, Jan 79

[Methodological comments on rhinological approaches and interventions on the floor of the skull and hypophysis] Černý

E, et al. **Cesk Otolaryngol** 27(6):321-331, Dec 78 (Eng. Abstr.) **(Cze)**

[Study of the hypothalamo-pituitary adrenal function in 16 patients after surgery for pituitary tumor (author's transl)] Laurent MF, et al. **Ann Endocrinol (Paris)** 39(4):267-79, Jul-Aug 78 (Eng. Abstr.) **(Fre)**

THERAPY

Space occupying growth of a pituitary adenoma producing hGH and hPrl during bromocriptin therapy. Halves E. **Clin Neurol Neurosurg** 80(4):251-7, 1977

Management of some intracranial tumors in children and adults. Bloom HJ. **Prog Clin Biol Res** 25:55-84, 1978 (42 ref.)

PITUITARY

III. *Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs*

ARGIPRESSIN

ANALOGS & DERIVATIVES

Structural requirements for activation of vasopressin-sensitive adenylate cyclase, hormone binding, and antidiuretic actions: effects of highly potent analogues and competitive inhibitors. Butlen D, et al. **Mol Pharmacol** 14(6):1006–17, Nov 78

BLOOD

Neurohypophyseal vasopressor principle: vasopressor hormone as well as antidiuretic hormone? Möhring J. **Klin Wochenschr** 56 Suppl 1:71–9, 1978

IMMUNOLOGY

Neurohypophyseal vasopressor principle: vasopressor hormone as well as antidiuretic hormone? Möhring J. **Klin Wochenschr** 56 Suppl 1:71–9, 1978

METABOLISM

Changes in pituitary oxytocin and vasopressin during the estrous cycle and after ovarian hormones: evidence for mediation by norepinephrine. Crowley WR, et al. **Life Sci** 23(26):2579–85, 25 Dec 78

Neurohypophyseal peptides in hypothyroid rats: plasma levels and kidney response. Seif SM, et al. **Metabolism** 28(2):137–43, Feb 79

Structural requirements for activation of vasopressin-sensitive adenylate cyclase, hormone binding, and antidiuretic actions: effects of highly potent analogues and competitive inhibitors. Butlen D, et al. **Mol Pharmacol** 14(6):1006–17, Nov 78

PHARMACODYNAMICS

Effect of vasopressin and oxytocin perfusion of the cerebral ventricles on evoked tongue jerks. Leśnik H. **Acta Physiol Pol** 29(4):373–7, 1978

Structural requirements for activation of vasopressin-sensitive adenylate cyclase, hormone binding, and antidiuretic actions: effects of highly potent analogues and competitive inhibitors. Butlen D, et al. **Mol Pharmacol** 14(6):1006–17, Nov 78

In vitro analysis of the participation of oxytocin and vasopressin in the gonadotropin releasing hormone-induced release of LH. Caffrey MH, et al. **Proc Soc Exp Biol Med** 159(3):444–8, Dec 78

PHYSIOLOGY

Neurohypophyseal vasopressor principle: vasopressor hormone as well as antidiuretic hormone? Möhring J. **Klin Wochenschr** 56 Suppl 1:71–9, 1978

Neurohypophyseal peptides in hypothyroid rats: plasma levels and kidney response. Seif SM, et al. **Metabolism** 28(2):137–43, Feb 79

CORTICOTROPIN

Exaggerated natriuresis in ACTH hypertension in sheep. Whitworth JA, et al. **Nephron** 22(4–6):473–8, 1978

ADMINISTRATION & DOSAGE

The effect of ACTH1-24 on locomotion, exploration, rearing, and grooming. Isaacson RL, et al. **Behav Biol** 24(1):118–22, Sep 78

The effect of chronic ACTH treatment on blood pressure and urinary excretion of steroids in the rat. Haack D, et al. **Klin Wochenschr** 56 Suppl 1:183–6, 1978

Mineralocorticoids, salt balance and blood pressure after prolonged ACTH administration in juvenile hypertension. Rauh W, et al. **Klin Wochenschr** 56 Suppl 1:161–7, 1978

[Effect of adrenal cortex hormones on the intracellular distribution of calcium in adipose tissue as a possible factor in the regulation of its sensitivity to adrenaline and ACTH] Orlov SN, et al. **Dokl Akad Nauk SSSR** 244(3):771–4, 1979 **(Rus)**

ADVERSE EFFECTS

Cytomegalovirus infection and infantile spasms. Riikonen R. **Dev Med Child Neurol** 20(5):570–9, Oct 78

Lithium prophylaxis of corticotropin-induced psychosis. Falk WE, et al. **JAMA** 241(10):1011–2, 9 Mar 79

Less toxic corticosteroid therapy in canine renal allografts. Nakamura H, et al. **Keio J Med** 27(1):15–21, Apr 78

ANALOGS & DERIVATIVES

Influences of an analog of the neuropeptide ACTH 4—9 on mentally retarded adults. Walker BB, et al. **Am J Ment Defic** 83(4):346–52, Jan 79

MSH/ACTH4-10 and task-induced increase in tendon reflexes and heart rate. Brunia CH, et al. **Pharmacol Biochem Behav** 9(5):615–8, Nov 78

Free plasma 11-hydroxycorticosteroids and the response to beta1-24-corticotrophin in regular haemodialysis patients. Thysell H, et al. **Scand J Urol Nephrol** 13(1):95–9, 1979

[Synthesis of [Trp(1-But)9]- and [Trp(2,5,7-But3)9] corticotropin-(1—19)-nonadecapeptideamide (author's transl)] Löw M, et al. **Hoppe Seylers Z Physiol Chem** 360(1):1–7, Jan 79 (Eng. Abstr.) **(Ger)**

[Enzymatic digestibility of peptides containing tert-butyltryptophan residues (author's transl)] Sajgó M, et al. **Hoppe Seylers Z Physiol Chem** 360(1):9–12, Jan 79 (Eng. Abstr.) **(Ger)**

ANALYSIS

Immunoreactive beta-endorphin and ACTH in the same neurons of the hypothalamic arcuate nucleus in the rat. Sofroniew MV. **Am J Anat** 154(2):283–9, Feb 79

Lipotrophin-, melanocyte-stimulating hormone- and adrenocorticotrophin-like peptides in human lung, breast and gastric tumours [proceedings] Podmore J, et al. **J Endocrinol** 79(2):65P–66P, Nov 78

[Study of the hypothalamo-pituitary adrenal function in 16 patients after surgery for pituitary tumor (author's transl)] Laurent MF, et al. **Ann Endocrinol (Paris)** 39(4):267–79, Jul–Aug 78 (Eng. Abstr.) **(Fre)**

ANTAGONISTS & INHIBITORS

Studies on cyclic nucleotides in the adrenal gland. IX. Effects of ACTH on cyclic AMP and steroid production by the zona fasciculata-reticularis of the adrenal cortex. Shima S, et al. **Acta Endocrinol (Copenh)** 90(1):139–46, Jan 79

Lithium prophylaxis of corticotropin-induced psychosis. Falk WE, et al. **JAMA** 241(10):1011–2, 9 Mar 79

BIOSYNTHESIS

Ectopic ACTH-MSH producing carcinoid tumor with multiple endocrine hyperplasia in a child. Amanō S, et al. **Acta Pathol Jpn** 28(5):721–30, Sep 78

The role of glycosylation on the biosynthesis, degradation, and secretion of the ACTH-beta-lipotropin common precursor and its peptide products. Loh YP, et al. **FEBS Lett** 96(2):269–72, 15 Dec 78

Biosynthesis of beta-endorphin, beta-lipotropin and the putative ACTH-LPH precursor in the frog pars intermedia. Pezalla PD, et al. **Life Sci** 23(23):2281–91, 4 Dec 78

Steroid hormone regulation of specific gene expression. Chan L, et al. **Vitam Horm** 36:259–95, 1978 (202 ref.)

BLOOD

Immunoreactive beta-MSH in human plasma and in a corticotrophic adenoma culture medium. Its relation to the lipotrophins. Bertagna X, et al. **Acta Endocrinol (Copenh)** 90(1):8–17, Jan 79

ACTH-like activity in immune complexes of patients with oat-cell carcinoma of the lung. Havemann K, et al. **Br J Cancer** 39(1):43–50, Jan 79

The effect of hypothalamic hemi-islands on compensatory

adrenal growth. Holzwarth MA, et al. **Brain Res** 162(1):33–43, 16 Feb 79

Acupuncture in narcotic withdrawal: a preliminary report on biochemical changes in the blood and urine of heroin addicts. Wen HL, et al. **Bull Narc** 30(2):31–9, Apr–Jun 78

Growth failure from symptomless celiac disease. A study of 14 patients. Verkasalo M, et al. **Helv Paediatr Acta** 33(6):489–95, Dec 78

Radioimmunoassay (RIA) and other saturation assay techniques in clinical medicine. Hazra DK, et al. **J Assoc Physicians India** 26(2):95–101, Feb 78

Metyrapone test with adrenocorticotrophic levels. Separating primary from secondary adrenal insufficiency. Dolman LI, et al. **JAMA** 241(12):1251–3, 23 Mar 79

Comparative metabolic clearance rate, volume of distribution and plasma half-life of human beta-lipotropin and ACTH. Liotta AS, et al. **Life Sci** 23(23):2323–30, 4 Dec 78

Treatment of Cushing's disease by O,p'DDD. Survey of 62 cases. Luton JP, et al. **N Engl J Med** 300(9):459–64, 1 Mar 79

[ACTH-, glucose- and lactate-content of swine plasma during insulin-induced hypoglycemia] Brenner KV, et al. **Endokrinologie** 72(2):231–8, May 78 (Eng. Abstr.) **(Ger)**

[Determination of plasma DBH, ACTH, CK-MB and CPK in clinical suspicion of myocardial infarct] Brisse B, et al. **Verh Dtsch Ges Inn Med** (84):722–5, 1978 **(Ger)**

[Behavior of plasma cortisol, ACTH and STH in subjects performing controlled work on the bicycle ergometer] Fratto D. **Minerva Med** 69(53):3665–72, 3 Nov 78 (Eng. Abstr.) **(Ita)**

[Assessment of radioimmunoassay kit without extraction for ACTH, and reformation of the procedure (author's transl)] Kitsunai Y, et al. **Kaku Igaku** 15(7):1025–31, Oct 78 **(Jpn)**

CEREBROSPINAL FLUID

Intracerebral adrenocorticotropic hormone mediates novelty-induced grooming in the rat. Dunn AJ, et al. **Science** 203(4377):281–3, 19 Jan 79

CHEMICAL SYNTHESIS

[Synthesis of [Trp(1-But)9]- and [Trp(2,5,7-But3)9] corticotropin-(1--19)-nonadecapeptideamide (author's transl)] Löw M, et al. **Hoppe Seylers Z Physiol Chem** 360(1):1–7, Jan 79 (Eng. Abstr.) **(Ger)**

DEFICIENCY

[Neurofibromatosis Recklinghausen with cerebral manifestation and deficiency of pituitary hormones (author's transl)] Frisch H, et al. **Monatsschr Kinderheilkd** 126(12):722–4, Dec 78 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

17-Hydroxyprogesterone in normal children and congenital adrenal hyperplasia. Measurement in serum by radioimmunoassay after thin-layer chromatography. Petersen KE, et al. **Acta Paediatr Scand** 68(2):205–11, Mar 79

Canine plasma cortisol (hydrocortisone) measured by radioimmunoassay: clinical absence of diurnal variation and results of ACTH stimulation and dexamethasone suppression tests. Johnston SD, et al. **Am J Vet Res** 39(11):1766–70, Nov 78

Adrenal function testing. Dluhy RG. **Compr Ther** 4(12):53–9, Dec 78

A three hours study of the response of plasma corticosterone and of three liver enzymes in rats subjected to stress in the late afternoon or during the morning hours. Németh S. **Endokrinologie** 72(2):223–30, May 78

[Steroid-examinations in serum of old men as a functional testing of the suprarenal glands (author's transl)] Freund E, et al. **ZFA (Dresden)** 33(3):273–7, 1978 (Eng. Abstr.) **(Ger)**

[Results of ACTH, vasopressin and insulin tolerance tests in obese subjects] Eisner M, et al. **Ann Acad Med Stetin** 24:413–23, 1978 (Eng. Abstr.) **(Pol)**

[Effect of hirudin on hormonally caused activation of nonenzymatic fibrinolysis in immobilization stress] Shapiro FB, et al. **Fiziol Zh SSSR** 64(11):1567–74, Nov 78 (Eng. Abstr.) **(Rus)**

[Use of pharmacological preparations for the purpose of improving the visualization of the adrenals with 19-iodocholesterol-131I] Slavnov VN, et al. **Med Radiol (Mosk)** 24(1):37–41, Jan 79 (Eng. Abstr.) **(Rus)**

GENETICS

Construction of bacterial plasmids that contain the nucleotide sequence for bovine corticotropin-beta-lipotropin precursor. Nakanishi S, et al. **Proc Natl Acad Sci USA** 75(12):6021–5, Dec 78

IMMUNOLOGY

Gastrin and ACTH-like immunoreactivity occurs in two ultrastructurally distinct cell types of rat antropyloric mucosa. Evidence for a non-parallel processing of the peptides during feeding and fasting. Larsson LI. **Histochemistry** 58(1–2):33–48, 24 Nov 78

Intracerebral adrenocorticotropic hormone mediates novelty-induced grooming in the rat. Dunn AJ, et al. **Science** 203(4377):281–3, 19 Jan 79

ISOLATION & PURIFICATION

A rapid method, using octadecasilyl-silica, for the extraction of certain peptides from tissues. Bennett HP, et al. **Biochem J** 175(3):1139–41, 1 Dec 78

Immunologic localization of alpha- and beta-endorphins and beta-lipotropin in corticotropic cells of the normal and anencephalic fetal pituitaries. Bégeot M, et al. **Cell Tissue Res** 193(3):413–22, 30 Oct 78

In vitro release of ACTH from dispersed rat pars intermedia cells. III. Multiple forms of ACTH biological activity. Kraicer J, et al. **Neuroendocrinology** 27(1–2):86–96, 1978

METABOLISM

Biochemical markers in bronchogenic carcinoma. Coombes RC, et al. **Br J Dis Chest** 72(4):263–87, Oct 78 (83 ref.)

An immunohistochemical study of epithelial cells in the posterior lobe and pars tuberalis of the human adult pituitary gland. Osamura RY, et al. **Cell Tissue Res** 194(3):513–24, 12 Dec 78

Aspects of the ultrastructure and function of the human fetal adrenal cortex. Johannisson E. **Contrib Gynecol Obstet** 5:109–30, 1979 (74 ref.)

Beta-lipotropin and endorphins: implications of current knowledge. Guillemin R. **Hosp Pract** 13(11):53–60, Nov 78

Altered cyclic AMP-dependent protein kinase activity in a mutant adrenocortical tumor cell line. Gutmann NS, et al. **J Cell Physiol** 97(3 Pt 2 Suppl 1):451–60, Dec 78

Metabolism of tritiated 1-24 corticotrophin in peripheral tissues immediately after intravenous injection in the rat [proceedings] Hudson AM, et al. **J Endocrinol** 79(2):62P–63P, Nov 78

Comparative metabolic clearance rate, volume of distribution and plasma half-life of human beta-lipotropin and ACTH. Liotta AS, et al. **Life Sci** 23(23):2323–30, 4 Dec 78

Biosynthesis of beta-endorphin from beta-lipotropin and a larger molecular weight precursor in rat pars intermedia. Crine P, et al. **Proc Natl Acad Sci USA** 75(10):4719–23, Oct 78

[Status of the ACTH circadian rhythm and specific features of cortisol metabolism in surgical patients] Velikanova LI. **Sov Med** (12):100–4, Dec 78 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Changes in the plasma levels of androstenedione, dehydroepiandrosterone and cortisol after stimulation with ACTH and hCG and suppression with dexamethasone during male puberty. Herrera-Justiniano E, et al. **Acta Endocrinol (Copenh)** 90(1):113–21, Jan 79

ACTH stimulates late steps in cortisol biosynthesis. McKenna TJ, et al. **Acta Endocrinol (Copenh)** 90(1):122–32, Jan 79

Studies on cyclic nucleotides in the adrenal gland. IX. Effects of ACTH on cyclic AMP and steroid production by the zona fasciculata-reticularis of the adrenal cortex. Shima S, et al. **Acta Endocrinol (Copenh)** 90(1):139–46, Jan 79

The effect of ACTH on the arterial blood pressure, heart rate and blood histamine level in rabbits. Urban I. **Acta Physiol Pol** 29(4):349–52, 1978

The effects of hypophysectomy on the uptake and distribution of 3H-dopamine in the mouse adrenal medulla: an autoradiographic study. Hirano T, et al. **Arch Histol Jpn** 41(5):401–10, Nov 78

Effect of animal and plant hormones on insulin fixation to Acetabularia mediterranea [proceedings] Bourgeois P, et al. **Arch Int Physiol Biochim** 86(3):708–14, Aug 78

The effect of ACTH1-24 on locomotion, exploration, rearing, and grooming. Isaacson RL, et al. **Behav Biol** 24(1):118–22, Sep 78

In vitro effects of hormonal stimuli upon tyrosinase and peroxidase-activities in murine melanomas. Abramowitz J,

et al. **Biochem Biophys Res Commun** 85(3):1067–73, 14 Dec 78

Regulation of adrenocortical steroidogenesis by cyclic 3'–5'–guanosine monophosphate in isolated rat adrenal cells. Harrington CA, et al. **Biochem Biophys Res Commun** 85(1):55–61, 14 Nov 78

Pituitary adrenocortical response to stress during the first day of post–natal life in the rat. Corbier P, et al. **Biol Neonate** 34(3–4):105–11, 1978

Human urinary and plasma kinins: relationship to sodium–retaining steroids and plasma renin activity. Vinci JM, et al. **Circ Res** 44(2):228–37, Feb 79

The effect of corticotrophin (ACTH) administration on the pressor action of angiotensin II, noradrenaline and tyramine in sheep. McDougall JG, et al. **Clin Exp Pharmacol Physiol** 5(5):449–55, Sep–Oct 78

In vitro tropic action of ACTH upon adrenocortical cyclic nucleotide (cAMP, cGMP) production and corticosterone output in blue (Prionace glauca Linnaeus) and in mako (Isurus oxyrinchus Rafinesque) sharks. Honn KV, et al. **Gen Comp Endocrinol** 36(1):161–9, Sep 78

Altering memory by electrical and chemical stimulation of the brain. pp. 151–64. McGaugh JL, et al. **In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978.** (56 ref.)

Role of monoamines in mediating the action of hormones on learning and memory. pp. 249–68. Telegdy G, et al. **In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978.**

Properties of the parathyroid hormone receptor–adenylate cyclase system in chicken renal plasma membranes. Nissenson RA, et al. **J Biol Chem** 254(5):1469–75, 10 Mar 79

Effects of polypeptide hormone preparations on steroid production by the human foetal adrenal gland during superfusion [proceedings] Brown TJ, et al. **J Endocrinol** 79(2):60P–61P, Nov 78

Effect of corticotrophin on cortisol secretion in castrated rhesus monkeys. Farver CF, et al. **J Endocrinol** 79(2):247–8, Nov 78

Hypothalamic corticotrophin releasing factor activity in dogs with pituitary–dependent hyperadrenocorticism. Meijer JC, et al. **J Endocrinol** 79(2):209–13, Nov 78

Ovine placental lactogen in maternal and foetal plasma in sheep [proceedings] Taylor MJ, et al. **J Endocrinol** 79(2):39P–40P, Nov 78

The effect of chronic ACTH treatment on blood pressure and urinary excretion of steroids in the rat. Haack D, et al. **Klin Wochenschr** 56 Suppl 1:183–6, 1978

Mineralocorticoids, salt balance and blood pressure after prolonged ACTH administration in juvenile hypertension. Rauh W, et al. **Klin Wochenschr** 56 Suppl 1:161–7, 1978

Aldosterone in myxoedema [letter] Olgaard K, et al. **Lancet** 1(8109):218, 27 Jan 79

Pregnenolone biosynthesis in isolated cells of Snell rat adrenocortical carcinoma 494. Mason JI, et al. **Mol Cell Endocrinol** 12(3):299–308, Dec 78

On the role of protein synthesis in the response of adrenal tumor cells to ACTH. Nakamura M, et al. **Mol Cell Endocrinol** 12(2):209–19, Nov 78

Exaggerated natriuresis in ACTH hypertension in sheep. Whitworth JA, et al. **Nephron** 22(4–6):473–8, 1978

MSH/ACTH4–10 and task–induced increase in tendon reflexes and heart rate. Brunia CH, et al. **Pharmacol Biochem Behav** 9(5):615–8, Nov 78

Pituitary–adrenal axis and oral morphine consumption in rats. Van Ree JM, et al. **Pharmacol Biochem Behav** 9(4):493–8, Oct 78

Establishment of preadipocyte clonal line from epididymal fat pad of ob/ob mouse that responds to insulin and to lipolytic hormones. Négrel R, et al. **Proc Natl Acad Sci USA** 75(12):6054–8, Dec 78

Stress simulation: ACTH and zinc effect on trace metals in liver and spleen. Armario A, et al. **Rev Esp Fisiol** 34(4):395–9, Dec 78

Intracerebral adrenocorticotropic hormone mediates novelty–induced grooming in the rat. Dunn AJ, et al. **Science** 203(4377):281–3, 19 Jan 79

Mineralocorticoids in normal and hypertensive pregnancies. Ehrlich EN. **Semin Perinatol** 2(1):61–71, Jan 78 (61 ref.)

The interactions between vitamin B6 and hormones. Rose DP. **Vitam Horm** 36:53–99, 1978 (218 ref.)

[Effects of cortisol on lipid and lipoprotein synthesis in rat hepatocytes] Titov VN, et al. **Biokhimiia** 43(11):2002–10, Nov 78 (Eng. Abstr.) **(Rus)**

[Effect of adrenal cortex hormones on the intracellular distribution of calcium in adipose tissue as a possible factor in the regulation of its sensitivity to adrenaline and ACTH] Orlov SN, et al. **Dokl Akad Nauk SSSR** 244(3):771–4, 1979 **(Rus)**

[Isoenzymatic characteristics of the adrenals under the effect of extreme factors] Korovnikov KA. **Vestn Akad Med Nauk SSSR** (2):38–48, 1979 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Cytological changes in prolactin, ACTH, and growth hormone cells of the pituitary gland of Pungitius pungitius L. in response to increased environmental salinities. Benjamin M. **Gen Comp Endocrinol** 36(1):48–58, Sep 78

Mineralocorticoids, salt balance and blood pressure after prolonged ACTH administration in juvenile hypertension. Rauh W, et al. **Klin Wochenschr** 56 Suppl 1:161–7, 1978

The syndromes of primary hormone resistance. Verhoeven GF, et al. **Metabolism** 28(3):253–89, Mar 79 (300 ref.)

Endocrinologic aspects of failure to thrive. Abrams CA. **Pediatr Ann** 7(11):760–6, Nov 78

Control of parturition in subhuman primates. Challis JR, et al. **Semin Perinatol** 2(3):247–60, Jul 78 (66 ref.)

Initiation of parturition in the human female. MacDonald PC, et al. **Semin Perinatol** 2(3):273–86, Jul 78

Hormonal control of parturition in the sheep and goat. Thorburn GD. **Semin Perinatol** 2(3):235–45, Jul 78 (64 ref.)

[Effect of varied sodium intake on the excretion of desoxycorticosterone, cortisol and aldosterone as well as the ACTH stimulation of those corticoids] Bönner G, et al. **Verh Dtsch Ges Inn Med** (84):1458–62, 1978 **(Ger)**

SECRETION

Conversion of high molecular weight CRF (corticotropin–releasing factor) or PRF (prolactin–releasing factor) into lower molecular weight forms by boiling at low pH. Yasuda N, et al. **Biochem Biophys Res Commun** 85(4):1291–8, 29 Dec 78

Pituitary adrenocortical response to stress during the first day of post–natal life in the rat. Corbier P, et al. **Biol Neonate** 34(3–4):105–11, 1978

Failure to suppress adrenal function in congenital adrenal hyperplasia (21–hydroxylase deficiency). Three case reports. Beazley JM, et al. **Br J Obstet Gynaecol** 85(12):965–9, Dec 78

Further characterization of rat corticotrophin releasing factor [proceedings] Gillies G, et al. **J Endocrinol** 79(2):22P–23P, Nov 78

Source of ACTH in Cushing's disease [letter] Wahl TO, et al. **N Engl J Med** 300(12):679, 22 Mar 79

Corticotropin responsiveness in the neonatal rat. Guillet R, et al. **Neuroendocrinology** 27(3–4):119–25, 1978

In vitro release of ACTH from dispersed rat pars intermedia cells. III. Multiple forms of ACTH biological activity. Kraicer J, et al. **Neuroendocrinology** 27(1–2):86–96, 1978

ACTH release after tuberal electrical stimulation in rats with various cuts around the medial basal hypothalamus. Makara GB, et al. **Neuroendocrinology** 27(3–4):109–18, 1978

Advances in endocrinology. Hardisty CA, et al. **Practitioner** 221(1324):499–503, Oct 78

Coordinate control of corticotropin, beta–lipotropin, and beta–endorphin release in mouse pituitary cell cultures. Allen RG, et al. **Proc Natl Acad Sci USA** 75(10):4972–6, Oct 78

Corticotropin, lipotropin, and beta–endorphin production by a human nonpituitary tumor in culture: evidence for a common precursor. Bertagna XY, et al. **Proc Natl Acad Sci USA** 75(10):5160–4, Oct 78

On the role of angiotensin in the cerebellum. Thomas CB, et al. **Proc Soc Exp Biol Med** 160(2):278–80, Feb 79

Neural control of ACTH: a homeostatic reflex. Gann DS, et al. **Recent Prog Horm Res** 34:357–400, 1978 (97 ref.)

[Rational utilization of physical medicine in rheumatology] Franchimont P. **Rev Med Liege** 33(23):827–38, 1 Dec 78 **(Fre)**

[Inhibition of ACTH hypersecretion in Addison's disease by serotonin–antagonistic agents] Fehm HL, et al. **Verh Dtsch Ges Inn Med** (84):1463–5, 1978 **(Ger)**

[Daily variations in the secretion of several hormones in obesity] Epshtein EV. **Probl Endokrinol (Mosk)** 25(1):15–9, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Bell's palsy–beneficial effect of treatment with adrenocorticotrophic hormone (ACTH) in patients with a poor prognosis. Ekstrand T, et al. **Acta Otolaryngol (Stockh)** 87(1–2):9–15, Jan–Feb 79

Influences of an analog of the neuropeptide ACTH 4–9 on mentally retarded adults. Walker BB, et al.

Am J Ment Defic 83(4):346–52, Jan 79

Lithium prophylaxis of corticotropin-induced psychosis. Falk WE, et al. **JAMA** 241(10):1011–2, 9 Mar 79

Less toxic corticosteroid therapy in canine renal allografts. Nakamura H, et al. **Keio J Med** 27(1):15–21, Apr 78

Drugs in the treatment of asthma. Svedmyr N, et al. **Pharmacol Ther [B]** 3(4):397–440, 1978 (428 ref.)

[Rheumatoid polyarthritis] Fabre J. **Brux Med** (12):655–61, Dec 78 **(Fre)**

[Long term administration of oral prednisone or prednisolone in treatment of myasthenia gravis. Report of five cases (author's transl)] Contamin F, et al. **Sem Hop Paris** 54(41–42):1213–8, 18–25 Nov 78 (Eng. Abstr.) **(Fre)**

[Drug treatment of the lumbago-sciatic-syndrome (author's transl)] Schär J. **Praxis** 68(5):141–2, 30 Jan 79 **(Ger)**

[Steroid-examinations in serum of old men as a functional testing of the suprarenal glands (author's transl)] Freund E, et al. **ZFA (Dresden)** 33(3):273–7, 1978 (Eng. Abstr.) **(Ger)**

[The renin-angiotensin system in chronic idiopathic pituitary insufficiency] Levin GM, et al. **Medicina (B Aires)** 38(5):519–23, Sep-Oct 78 (Eng. Abstr.) **(Spa)**

COSYNTROPIN

DIAGNOSTIC USE

Free plasma 11-hydroxycorticosteroids and the response to beta1-24-corticotrophin in regular haemodialysis patients. Thysell H, et al. **Scand J Urol Nephrol** 13(1):95–9, 1979

*

FSH

Studies on modification of tryptophan, methionine, tyrosine and arginine residues of human follicle-stimulating hormone and its subunits. Rathnam P, et al. **Biochim Biophys Acta** 576(1):81–7, 25 Jan 79

ANALYSIS

[Prolactin in the sterile male] Hermabessiére J, et al. **J Urol Nephrol (Paris)** 83 Suppl 2:577–83, 1977 **(Fre)**

[Radioimmunologic determination of several hormones in commercial immunoglobulin preparations] Migunov VN, et al. **Zh Mikrobiol Epidemiol Immunobiol** (8):100–3, Aug 78 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Hormonal control of oocyte meiosis, ovulation and luteinization in mammals. Channing CP, et al. **Clin Endocrinol Metab** 7(3):601–24, Nov 78 (156 ref.)

Glucocorticoid inhibition of FSH-induced estrogen production in cultured rat granulosa cells. Hsueh AJ, et al. **Steroids** 32(5):639–48, Dec 78

BLOOD

Purification of 'inhibin' from human ovarian follicular fluid. Chari S, et al. **Acta Endocrinol (Copenh)** 90(1):157–66, Jan 79

Effect of clomifene on thyroid function in normal men. Feldt-Rasmussen U, et al. **Acta Endocrinol (Copenh)** 90(1):43–51, Jan 79

Hyperthecosis syndrome. Clinical, endocrinologic and histologic findings. Karam K, et al. **Acta Obstet Gynecol Scand** 58(1):73–9, 1979

Growth hormone response to prostaglandin E2. Hamilton W, et al. **Acta Paediatr Scand** 68(2):251–6, Mar 79

Cytogenetic and endocrine studies in a 45,X female subject with spontaneous sexual development. Lisker R, et al. **Am J Obstet Gynecol** 133(2):149–53, 15 Jan 79

Gonadotropin response to synthetic gonadotropin hormone-releasing hormone (GnRH) in heroin addicts. Brambilla F, et al. **Am J Psychiatry** 136(3):314–7, Mar 79

The relationship between plasma FSH, testosterone levels and testicular histology in males with azoospermia. Bablok L, et al. **Andrologia** 10(6):502–5, Nov-Dec 78

Positive feedback of gonadotropins in males. Lee PA. **Andrologia** 10(6):485–9, Nov-Dec 78

Ectopic Leydig cells in a seminiferous tubules of an infertile human male with a chromosomal aberration. Mori H, et al. **Andrologia** 10(6):434–43, Nov-Dec 78

Plasma cholesterol, triglycerides, FSH and testosterone levels of normolipemic male patients with decreased fertility treated with mesterolone. Nikkanen V. **Andrologia** 11(1):33–6, Jan 79

Prolactin in azoospermic men and its relation to testicular morphology, serum testosterone and gonadotrophin levels. Suominen JJ, et al. **Andrologia** 11(1):15–7, Jan 79

Serum LH and FSH following passive immunization against circulating testosterone in the intact male rat and in orchidectomized rats bearing subcutaneous silastic implants of testosterone. Gay VL, et al. **Arch Androl** 1(3):257–66, May 78

Effect of LH-RH loading in subfertile men. Sas M, et al. **Arch Androl** 1(2):153–62, 1978

Plasma testosterone, serum FSH, and serum LH levels in transvestism. Buhrich N, et al. **Arch Sex Behav** 8(1):49–53, Jan 79

Androgenic status of males with systemic lupus erythematosus. Stahl NI, et al. **Arthritis Rheum** 21(6):665–8, Jul-Aug 78

Plasma gonadotrophins and LHRH infusions in anorexia nervosa. Beumont PJ, et al. **Aust NZ J Med** 8(5):509–14, Oct 78

Clinical features and plasma hormone levels after surgical menopause. Dennerstein L, et al. **Aust NZ J Obstet Gynaecol** 18(3):202–5, Aug 78

Day-to-day variations in serum levels of follicle-stimulating hormone and luteinizing hormone in homosexual males. Halbreich U, et al. **Biol Psychiatry** 13(5):541–9, Oct 78

Serum prolactin and gonadotrophin levels before and after luteinizing hormone-releasing hormone in the investigation of amenorrhoea. Bergh T, et al. **Br J Obstet Gynaecol** 85(12):945–56, Dec 78

Plasma levels of oestrone, oestradiol and gonadotrophins in postmenopausal women after oral and vaginal administration of conjugated equine oestrogens (Premarin). Englund DE, et al. **Br J Obstet Gynaecol** 85(12):957–64, Dec 78

Differential response to LHRH following oestrogen therapy in women with amenorrhoea. Shaw RW. **Br J Obstet Gynaecol** 86(1):69–75, Jan 79

Blockade of dopamine (DA) receptors with pimozide and pituitary hormone release in response to intraventricular injection of gamma-aminobutyric acid (GABA) in conscious ovariectomized rats. Vijayan E, et al. **Brain Res** 162(1):69–76, 16 Feb 79

Reproductive hormone function: the perimenopausal period and beyond. Korenman SG, et al. **Clin Endocrinol Metab** 7(3):625–43, Nov 78 (82 ref.)

Hormonal correlates of normal and abnormal follicle growth after puberty in humans and other primates. Ross GT, et al. **Clin Endocrinol Metab** 7(3):561–75, Nov 78

Neuroendocrinology of the menstrual cycle in humans. Shaw RW. **Clin Endocrinol Metab** 7(3):531–59, Nov 78

Gonadotrophins and steroid hormones in the blood and urine of prepubertal girls and other primates. Winter JS, et al. **Clin Endocrinol Metab** 7(3):513–30, Nov 78 (74 ref.)

Failure of withdrawal bleeding during combined oral contraceptive therapy: 'amenorrhoea on the pill'. Gillmer MD, et al. **Contraception** 18(5):507–15, Nov 78

Observations on the determination of fetal sex in early pregnancy. Zondek LH, et al. **Contrib Gynecol Obstet** 5:91–108, 1979 (70 ref.)

Pituitary-testicular axis in diabetic men with and without sexual impotence. Daubresse JC, et al. **Diabete Metab** 4(4):233–7, Dec 78

Inhibitory action of pineal extract on LH and FSH. Damian E, et al. **Endocrinologie** 16(4):257–62, Oct-Dec 78

On the correlation between FSH, LH and prolactin serum levels. Krause W. **Endokrinologie** 72(2):129–35, May 78

Pituitary-testicular function in patients with chronic alcoholism. Lindholm J, et al. **Eur J Clin Invest** 8(5):269–72, Oct 78

Effect of epimestrol on gonadotropin and prolactin plasma levels and response to luteinizing hormone-releasing hormone/thyrotropin-releasing hormone in secondary amenorrhea and oligomenorrhea. Genazzani AR, et al. **Fertil Steril** 30(6):654–60, Dec 78

Gonadotropin secretion in eugonadotropic human males and postmenopausal females under long-term application of a potent analog of gonadotropin-releasing hormone. Happ J, et al. **Fertil Steril** 30(6):674–8, Dec 78

Gonadotropin and testosterone secretion in normal human males after stimulation with gonadotropin-releasing hormone (GnRH) or potent GnRH analogs using different modes of application. Happ J, et al. **Fertil Steril** 30(6):666–73, Dec 78

The relationship between long-distance running, plasma progesterone, and luteal phase length. Shangold M, et al. **Fertil Steril** 31(2):130–3, Feb 79

Monitoring of ovulation induction. Wu CH. **Fertil Steril** 30(6):617–30, Dec 78

Gonadotropic patterns in psychogenic amenorrhea. Groll M. **Int J Gynaecol Obstet** 16(1):53–5, 1978

*DESMOPRESSIN See page 34

Testicular steroid secretion in response to GnRH-mediated LH and FSH release in bulls. Schanbacher BD, et al. **J Anim Sci** 47(2):514–20, Aug 78

Radioimmunoassay (RIA) and other saturation assay techniques in clinical medicine. Hazra DK, et al. **J Assoc Physicians India** 26(2):95–101, Feb 78

Effects of tamoxifen on plasma concentrations of testosterone and gonadotrophins in the male rat. Bartke A, et al. **J Endocrinol** 79(2):239–40, Nov 78

Age-related changes in reproductive hormones and in Leydig cell responsivity in the male Fischer 344 rat. Bethea CL, et al. **J Gerontol** 34(1):21–7, Jan 79

Endocrine abnormalities associated with chronic renal failure. Lim VS, et al. **Med Clin North Am** 62(6):1341–61, Nov 78 (75 ref.)

Effect of pentobarbital on serum levels of LH, FSH and prolactin in long-term ovariectomized rats. Borrell J, et al. **Neuroendocrinology** 27(5–6):239–46, 1978

Effect of adrenalectomy on temporal patterns of serum gonadotropin levels. Dunn JD, et al. **Neuroendocrinology** 27(3–4):126–35, 1978

Pattern of adenohypophyseal hormone changes induced by various stressors in female and male rats. Ruisseau PD, et al. **Neuroendocrinology** 27(5–6):257–71, 1978

Hormonal content of plasma and endometrium of women taking oral contraceptives. Porias H, et al. **Obstet Gynecol** 52(6):703–7, Dec 78

Pituitary response to LHRH in midtrimester pregnancy. Sowers JR, et al. **Obstet Gynecol** 52(6):685–8, Dec 78

Pituitary and ovarian function in women with congenitally absent uterus. Ylikorkala O, et al. **Obstet Gynecol** 53(1):137–9, Jan 79

The effects of Premarin and norgestrel on plasma FSH, LH and androstenedione in post-menopausal women. Sexton L, et al. **Postgrad Med J** 54(2):42–6, 1978

Plasma hormone profiles after the menopause and bilateral oöphorectomy. Studd JW, et al. **Postgrad Med J** 54(2):25–30, 1978

[Dynamic study of the hypothalomo-hypophyseal-gonadal axis in patients with Klinefelter's syndrome] Maleeva A. **Vutr Boles** 17(6):56–62, 1978 (Eng. Abstr.) **(Bul)**

[Significance of serum testosterone and LH determination in the hormonal therapy of prostatic cancer] Scheinar J, et al. **Rozhl Chir** 57(12):805–12, Dec 78 (Eng. Abstr.) **(Cze)**

[Hormonal status of women after hysterectomy compared with controls (author's transl)] Kaiser R, et al. **Arch Gynecol** 226(4):363–8, 29 Dec 78 (Eng. Abstr.)**(Ger)**

[Gonadotropin secretion in patients with testicular feminization] Valkov I, et al. **Zentralbl Gynaekol** 100(21):1399–402, 1978 (Eng. Abstr.) **(Ger)**

[The changes in serum levels of FSH, LH, LHalpha and beta-subunit, and prolactin and their responses to synthetic LH-RH and TRH in normal subjects with aging (author's transl)] Wasada T. **Fukuoka Igaku Zasshi** 69(12):506–18, 25 Dec 78 (Eng. Abstr.) **(Jpn)**

[Hyperprolactinemia and gonadal functions] Aono T, et al. **Horumon To Rinsho** 26(10):1021–7, Oct 78 **(Jpn)**

[Idiopathic varicocele. Report 2: Fertility after high ligation (author's transl)] Okuyama A. **Nippon Hinyokika Gakkai Zasshi** 69(10):1314–20, Oct 78 (Eng. Abstr.) **(Jpn)**

[Bilateral cryptorchism and its implications in male sterility] Netto Júnior NR, et al. **AMB** 24(9):320–2, Sep 78 (Eng. Abstr.) **(Por)**

[Syndrome of familial polycystic ovaries (Stein-Leventhal type): serum levels of luteinizing and follicle stimulating hormones before and after wedge resection of the ovaries] Toledo SP, et al. **AMB** 23(3):79–82, May 77 (Eng. Abstr.) **(Por)**

[A Paracanã Indian with idiopathic hypogonadotropic hypogonadism] Vieira Filho JP. **AMB** 24(10):363–4, Oct 78 (Eng. Abstr.) **(Por)**

[Hormonal status and the clinical course of ovarian cancer] Livshits MA, et al. **Akush Ginekol (Mosk)** (12):29–31, Dec 78 (Eng. Abstr.) **(Rus)**

[Gonadotropic regulation of ovarian function in patients with polycystic ovaries] Dobracheva AD, et al. **Probl Endokrinol (Mosk)** 25(1):19–23, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

DEFICIENCY

[Neurofibromatosis Recklinghausen with cerebral manifestation and deficiency of pituitary hormones (author's transl)] Frisch H, et al. **Monatsschr Kinderheilkd** 126(12):722–4, Dec 78 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Studies on the immunochemical relatedness among tetrapod gonadotropins and their subunits with antisera to sea turtle hormones. Licht P. **Gen Comp Endocrinol** 36(1):68–78, Sep 78

ISOLATION & PURIFICATION

Isolation and characterization of the subunits of bovine follitropin. Cheng KW. **Biochem J** 175(1):29–34, 1 Oct 78

Improved method of purifying some radiolabeled glycopeptide hormones. Patritti-Laborde N, et al. **Clin Chem** 25(1):163–5, Jan 79

METABOLISM

An immunohistochemical study of epithelial cells in the posterior lobe and pars tuberalis of the human adult pituitary gland. Osamura RY, et al. **Cell Tissue Res** 194(3):513–24, 12 Dec 78

Hormonal control of oocyte meiosis, ovulation and luteinization in mammals. Channing CP, et al. **Clin Endocrinol Metab** 7(3):601–24, Nov 78 (156 ref.)

Pituitary and placental gonadotrophins and sex steroids in the human and sub-human primate fetus. Kaplan SL, et al. **Clin Endocrinol Metab** 7(3):487–511, Nov 78 (114 ref.)

Effects of follicle-stimulating hormone and testosterone on receptors of follicle-stimulating hormone in the testis of the immature Japanese quail. Tsutsui K, et al. **Gen Comp Endocrinol** 36(2):297–305, Oct 78

Receptors for follicle-stimulating hormone and human chorionic gonadotrophin in the ovine follicle: changes in binding with atresia in vitro [proceedings] Carson RS, et al. **J Endocrinol** 79(2):27P–28P, Nov 78

Gonadotropin receptors and regulation of steroidogenesis in the testis and ovary. Dufau ML, et al. **Vitam Horm** 36:461–592, 1978 (269 ref.)

[Iron storage disorders] Strohmeyer G. **Haematol Bluttransfus** 21:163–70, 1978 (16 ref.) **(Ger)**

PHARMACODYNAMICS

Metabolic responses of Sertoli cells in culture to various concentrations of follicle stimulating hormone and cholera toxin. Fritz IB, et al. **Can J Biochem** 56(9):875–9, Sep 78

The endocrine control by luteinizing hormone of testosterone secretion from the testis of the Japanese quail. Maung SL, et al. **Gen Comp Endocrinol** 36(1):79–89, Sep 78

Effects of follicle-stimulating hormone and testosterone on receptors of follicle-stimulating hormone in the testis of the immature Japanese quail. Tsutsui K, et al. **Gen Comp Endocrinol** 36(2):297–305, Oct 78

Protein kinase inhibitor in sertoli cell-enriched rat testis. Specific regulation by follicle-stimulating hormone. Tash JS, et al. **J Biol Chem** 254(4):1241–7, 25 Feb 79

Effects of intrafollicular administration of gonadotropins in two species of nonhuman primates using laparoscopy. Rawson JM, et al. **J Med Primatol** 7(4):223–7, 1978

Hormonal regulation of Leydig cell function. Purvis K, et al. **Mol Cell Endocrinol** 12(2):123–38, Nov 78 (65 ref.)

[Gonadotropic regulation of ovarian function in patients with polycystic ovaries] Dobracheva AD, et al. **Probl Endokrinol (Mosk)** 25(1):19–23, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Cyclic changes in antral fluid hormone concentrations in humans. McNatty KP. **Clin Endocrinol Metab** 7(3):577–600, Nov 78

Follicular growth in fetal and prepubertal ovaries of humans and other primates. Peters H, et al. **Clin Endocrinol Metab** 7(3):469–85, Nov 78 (72 ref.)

SECRETION

Gonadotropin profiles in fed and fasted obese women. Newmark SR, et al. **Am J Obstet Gynecol** 133(1):75–80, 1 Jan 79

Gonadotropin response to synthetic gonadotropin hormone-releasing hormone (GnRH) in heroin addicts. Brambilla F, et al. **Am J Psychiatry** 136(3):314–7, Mar 79

LH and FSH response to gonadotropin releasing hormone (GnRH) in normospermic, oligospermic and azoospermic men. Bain J, et al. **Arch Androl** 1(2):147–52, 1978

Does dopaminergic stimulation induce selective follicle stimulating hormone release in sheep? [proceedings] Dobson H, et al. **J Physiol (Lond)** 284:61P, Nov 78

Reanalysis of the preoptic afferents and efferents involved in the surge of LH, FSH and prolactin release in the proestrous rat. Kimura F, et al. **Neuroendocrinology** 27(1–2):74–85, 1978

Endocrine evaluation of the infertile male. Snyder PJ. **Urol Clin North Am** 5(3):451–62, Oct 78

[Inhibition of LH-RH induced release of gonadotropins by substance P in cultured rat anterior pituitary cells] Kerdelhué B, et al. **C R Acad Sci [D] (Paris)** 287(9):879–82, 16 Oct 78 (Eng. Abstr.) **(Fre)**

[Hypophyso-gonadal function in infancy. From newborn to puberty (author's transl)] Ruiz E, et al. **Rev Esp Fisiol** 34(4):407–10, Dec 78 (Eng. Abstr.) **(Spa)**

GONADOTROPINS

BIOSYNTHESIS

Effects of cannabinoids on reproduction and development. Bloch E, et al. **Vitam Horm** 36:203–58, 1978 (236 ref.)

BLOOD

Effects of altered photoperiod on serum gonadotrophin levels and spawning in female rainbow trout [proceedings] Whitehead C, et al. **J Endocrinol** 79(2):29P–30P, Nov 78

DEFICIENCY

Medical treatment of the subfertile male. Cunningham GR. **Urol Clin North Am** 5(3):537–48, Oct 78 (62 ref.)

ISOLATION & PURIFICATION

Research in reproductive hormones. Butt WR. **Ann Clin Biochem** 16(1):1–5, Jan 79

Studies on the purification and properties of gonadotrophin from ventral lobes of the pituitary gland of the dogfish (Scyliorhinus canicula L.). Sumpter JP, et al. **Gen Comp Endocrinol** 36(2):264–74, Oct 78

METABOLISM

Research in reproductive hormones. Butt WR. **Ann Clin Biochem** 16(1):1–5, Jan 79

Pituitary and placental gonadotrophins and sex steroids in the human and sub-human primate fetus. Kaplan SL, et al. **Clin Endocrinol Metab** 7(3):487–511, Nov 78 (114 ref.)

Gonadotropin receptors and regulation of steroidogenesis in the testis and ovary. Dufau ML, et al. **Vitam Horm** 36:461–592, 1978 (269 ref.)

The interactions between vitamin B6 and hormones. Rose DP. **Vitam Horm** 36:53–99, 1978 (218 ref.)

[Endocrinologic studies on the syndrome of the XX-male] Schweikert HU, et al. **Verh Dtsch Ges Inn Med** (84):1416–9, 1978 **(Ger)**

PHARMACODYNAMICS

The binding of 125I-TSH to thyroid cell receptors previously deformed (in neonatal age) by gonadotropin treatment. Csaba G, et al. **Biol Neonate** 34(5–6):275–7, 1978

Studies on the purification and properties of gonadotrophin from ventral lobes of the pituitary gland of the dogfish (Scyliorhinus canicula L.). Sumpter JP, et al. **Gen Comp Endocrinol** 36(2):264–74, Oct 78

[Determination of the ovulation time in prepuberal sows pretreated with gonadotropins] Polanco A, et al. **Zentralbl Veterinaermed [A]** 25(8):608–16, Oct 78 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Gonadotrophic hormone in the pituitary gland of the dogfish (Scyliorhinus canicula L): distribution and physiological significance. Sumpter JP, et al. **Gen Comp Endocrinol** 36(2):275–85, Oct 78

SECRETION

[Hypergonadotropic hypogonadism in kidney failure--a consequence of disorders of testicular cyclic AMP formation] Kreusser W, et al. **Verh Dtsch Ges Inn Med** (84):1446–8, 1978 **(Ger)**

GONADOTROPINS, PITUITARY

ANALYSIS

[Progestagen and contraceptive activity of a 16alpha-methylene derivative of progesterone] Nikitina GV. **Probl Endokrinol (Mosk)** 25(1):68–71, Jan-Feb 79 (Eng. Abstr.) **(Rus)**

BLOOD

Gonadotropin response to synthetic gonadotropin hormone-releasing hormone (GnRH) in heroin addicts. Brambilla F, et al. **Am J Psychiatry** 136(3):314–7, Mar 79

Prolactin in azoospermic men and its relation to testicular morphology, serum testosterone and gonadotrophin levels. Suominen JJ, et al. **Andrologia** 11(1):15–7, Jan 79

Gonadotrophins and steroid hormones in the blood and urine of prepubertal girls and other primates. Winter JS, et al. **Clin Endocrinol Metab** 7(3):513–30, Nov 78 (74 ref.)

Effect of epimestrol on gonadotropin and prolactin plasma levels and response to luteinizing hormone-releasing hormone/thyrotropin-releasing hormone in secondary amenorrhea and oligomenorrhea. Genazzani AR, et al. **Fertil Steril** 30(6):654–60, Dec 78

Altered hypothalamic-pituitary function in uraemic patients [proceedings] Cowden EA, et al. **J Endocrinol** 79(2):48P–49P, Nov 78

Adolescent secondary amenorrhea: association with hypothalamic hypothyroidism. Kramer MS, et al. **J Pediatr** 94(2):300–3, Feb 79

Effect of adrenalectomy on temporal patterns of serum gonadotropin levels. Dunn JD, et al. **Neuroendocrinology** 27(3–4):126–35, 1978

Sex hormone changes underlying menstrual disturbances on haemodialysis. Wass VJ, et al. **Proc Eur Dial Transplant Assoc** 15:178–86, 1978

[The Progestasert system] Mall-Haefeli M. **Gynaekol Rundsch** 18(3–4):253–62, 1978 **(Ger)**

[Hypophyso-gonadal function in infancy. From newborn to puberty (author's transl)] Ruiz E, et al. **Rev Esp Fisiol** 34(4):407–10, Dec 78 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

[Change in the gonadotropin content and activity in the hypophysis of the Russian sturgeon at different stages of gonadal maturity] Burlakov AB. **Biol Nauki** (12):36–40, 1978 **(Rus)**

METABOLISM

Pituitary and placental gonadotrophins and sex steroids in the human and sub-human primate fetus. Kaplan SL, et al. **Clin Endocrinol Metab** 7(3):487–511, Nov 78 (114 ref.)

Gonadotrophins and steroid hormones in the blood and urine of prepubertal girls and other primates. Winter JS, et al. **Clin Endocrinol Metab** 7(3):513–30, Nov 78 (74 ref.)

Protein polypeptide hormones of the human fetus and placenta. Khan FS, et al. **Contrib Gynecol Obstet** 5:131–44, 1979 (97 ref.)

Neuroendocrine mechanisms and aging. Finch CE. **Fed Proc** 38(2):178–83, Feb 79

Endocrine function and reproductive impairment in an irradiated population of the lizard Uta stansburiana. Pearson AK, et al. **Radiat Res** 76(3):610–23, Dec 78

[Change in the gonadotropin content and activity in the hypophysis of the Russian sturgeon at different stages of gonadal maturity] Burlakov AB. **Biol Nauki** (12):36–40, 1978 **(Rus)**

PHYSIOLOGY

The development of fetal hypothalamic-pituitary gonadal adrenal function. Jenkin G, et al. **Contrib Gynecol Obstet** 5:58–90, 1979 (158 ref.)

Sexual differentiation of the brain. Gorski RA. **Hosp Pract** 13(10):55–62, Oct 78

Hormonal control of steroidogenesis in an elasmobranch fish (Scyliorhinus canicula L.): studies using a specific anti-gonadotrophic antibody [proceedings] Sumpter JP, et al. **J Endocrinol** 79(2):28P–29P, Nov 78

SECRETION

Gonadotropin profiles in fed and fasted obese women. Newmark SR, et al. **Am J Obstet Gynecol** 133(1):75–80, 1 Jan 79

Involvement of cGMP in LHRH-stimulated gonadotropin release. Naor Z, et al. **Am J Physiol** 235(6):E586–90, Dec 78

Feminization of the alcoholic: the estrogen/testosterone ratio (E/T) [editorial] Lester R, et al. **Gastroenterology** 76(2):415–7, Feb 79

Effects of testosterone and orchiectomy on the development

of gonadotrophs in neonatal rats with hypophysial stalk section. Daikoku S, et al. **Neuroendocrinology** 27(3-4):148-59, 1978

URINE

Gonadotrophins and steroid hormones in the blood and urine of prepubertal girls and other primates. Winter JS, et al. **Clin Endocrinol Metab** 7(3):513-30, Nov 78 (74 ref.)

[Characteristics in the correlation of ovarian cycle hormones in mastopathy and breast cancer] Kuz'mina ZV, et al. **Vestn Akad Med Nauk SSSR** (2):60-4, 1979 (Eng. Abstr.) **(Rus)**

LH

Intrinsic and extrinsic fluorescence probes of subunit interactions in ovine lutropin. Ingham KC, et al. **Arch Biochem Biophys** 191(1):134-45, Nov 78

Isolation and characterization of the subunits of bovine follitropin. Cheng KW. **Biochem J** 175(1):29-34, 1 Oct 78

Studies on modification of tryptophan, methionine, tyrosine and arginine residues of human follicle-stimulating hormone and its subunits. Rathnam P, et al. **Biochim Biophys Acta** 576(1):81-7, 25 Jan 79

Studies on the disulfide bonds of glycoprotein hormones. Formation and properties of 11,35-bis(S-alkyl) derivatives of the alpha subunit. Giudice LC, et al. **J Biol Chem** 254(4):1164-9, 25 Feb 79

ADMINISTRATION & DOSAGE

Conversion of progesterone to testosterone in the rat Leydig cell. Gnodde HP, et al. **Proc Soc Exp Biol Med** 160(1):130-3, Jan 79

ANALYSIS

Effect of clomiphene on the restoration of ovulation in androgen-sterile rats. Baranov VG, et al. **Neurosci Behav Physiol** 8(4):271-4, Oct-Dec 77

Gonadal luteinizing hormone receptors and adenylate cyclase: transfer of functional ovarian luteinizing hormone receptors to adrenal fasciculata cells. Dufau ML, et al. **Proc Natl Acad Sci USA** 75(10):4769-73, Oct 78

[Prolactin in the sterile male] Hermabessiére J, et al. **J Urol Nephrol (Paris)** 83 Suppl 2:577-83, 1977 **(Fre)**

[Radioimmunologic determination of several hormones in commercial immunoglobulin preparations] Migunov VN, et al. **Zh Mikrobiol Epidemiol Immunobiol** (8):100-3, Aug 78 (Eng. Abstr.) **(Rus)**

BLOOD

Investigations of hormones during early abortion induced by prostaglandin F2alpha and 15(S)-methyl-PGF2alpha. Seifert B, et al. **Acta Biol Med Ger** 37(5-6):955-7, 1976

Enhanced testosterone in female patients with anorexia nervosa: its normalization after weight gain. Baranowska B, et al. **Acta Endocrinol (Copenh)** 90(2):328-35, Feb 79

Hypopituitarism and artificial ventilation. Barber SG. **Acta Endocrinol (Copenh)** 90(2):211-6, Feb 79

Purification of 'inhibin' from human ovarian follicular fluid. Chari S, et al. **Acta Endocrinol (Copenh)** 90(1):157-66, Jan 79

Effect of clomifene on thyroid function in normal men. Feldt-Rasmussen U, et al. **Acta Endocrinol (Copenh)** 90(1):43-51, Jan 79

Hyperthecosis syndrome. Clinical, endocrinologic and histologic findings. Karam K, et al. **Acta Obstet Gynecol Scand** 58(1):73-9, 1979

Growth hormone response to prostaglandin E2. Hamilton W, et al. **Acta Paediatr Scand** 68(2):251-6, Mar 79

Cytogenetic and endocrine studies in a 45,X female subject with spontaneous sexual development. Lisker R, et al. **Am J Obstet Gynecol** 133(2):149-53, 15 Jan 79

Gonadotropin response to synthetic gonadotropin hormone-releasing hormone (GnRH) in heroin addicts. Brambilla F, et al. **Am J Psychiatry** 136(3):314-7, Mar 79

Effect of dexamethasone and testosterone propionate on LH response to gonadoliberin (LRH) in young post-pubertal bulls. Chantaraprateep P, et al. **Andrologia** 11(1):25-32, Jan 79

Positive feedback of gonadotropins in males. Lee PA. **Andrologia** 10(6):485-9, Nov-Dec 78

Ectopic Leydig cells in a seminiferous tubules of an infertile human male with a chromosomal aberration. Mori H, et al. **Andrologia** 10(6):434-43, Nov-Dec 78

Investigations on the influence of prolactin suppression on reproductive function in bulls. Stolla R, et al. **Andrologia** 11(1):1-10, Jan 79

Prolactin in azoospermic men and its relation to testicular morphology, serum testosterone and gonadotrophin levels. Suominen JJ, et al. **Andrologia** 11(1):15-7, Jan 79

Serum LH and FSH following passive immunization against circulating testosterone in the intact male rat and in orchidectomized rats bearing subcutaneous silastic implants of testosterone. Gay VL, et al. **Arch Androl** 1(3):257-66, May 78

Effect of LH-RH loading in subfertile men. Sas M, et al. **Arch Androl** 1(2):153-62, 1978

Plasma testosterone, serum FSH, and serum LH levels in transvestism. Buhrich N, et al. **Arch Sex Behav** 8(1):49-53, Jan 79

Pituitary gonadal system function in patients with erectile impotence and premature ejaculation. Pirke KM, et al. **Arch Sex Behav** 8(1):41-8, Jan 79

Androgenic status of males with systemic lupus erythematosus. Stahl NI, et al. **Arthritis Rheum** 21(6):665-8, Jul-Aug 78

Plasma gonadotrophins and LHRH infusions in anorexia nervosa. Beumont PJ, et al. **Aust NZ J Med** 8(5):509-14, Oct 78

Clinical features and plasma hormone levels after surgical menopause. Dennerstein L, et al. **Aust NZ J Obstet Gynaecol** 18(3):202-5, Aug 78

Day-to-day variations in serum levels of follicle-stimulating hormone and luteinizing hormone in homosexual males. Halbreich U, et al. **Biol Psychiatry** 13(5):541-9, Oct 78

Serum prolactin and gonadotrophin levels before and after luteinizing hormone-releasing hormone in the investigation of amenorrhoea. Bergh T, et al. **Br J Obstet Gynaecol** 85(12):945-56, Dec 78

Plasma levels of oestrone, oestradiol and gonadotrophins in postmenopausal women after oral and vaginal administration of conjugated equine oestrogens (Premarin). Englund DE, et al. **Br J Obstet Gynaecol** 85(12):957-64, Dec 78

Differential response to LHRH following oestrogen therapy in women with amenorrhoea. Shaw RW. **Br J Obstet Gynaecol** 86(1):69-75, Jan 79

Blockade of dopamine (DA) receptors with pimozide and pituitary hormone release in response to intraventricular injection of gamma-aminobutyric acid (GABA) in conscious ovariectomized rats. Vijayan E, et al. **Brain Res** 162(1):69-76, 16 Feb 79

Reproductive hormone function: the perimenopausal period and beyond. Korenman SG, et al. **Clin Endocrinol Metab** 7(3):625-43, Nov 78 (82 ref.)

Hormonal correlates of normal and abnormal follicle growth after puberty in humans and other primates. Ross GT, et al. **Clin Endocrinol Metab** 7(3):561-75, Nov 78

Neuroendocrinology of the menstrual cycle in humans. Shaw RW. **Clin Endocrinol Metab** 7(3):531-59, Nov 78

Gonadotrophins and steroid hormones in the blood and urine of prepubertal girls and other primates. Winter JS, et al. **Clin Endocrinol Metab** 7(3):513-30, Nov 78 (74 ref.)

Pituitary-testicular axis in diabetic men with and without sexual impotence. Daubresse JC, et al. **Diabete Metab** 4(4):233-7, Dec 78

Inhibitory action of pineal extract on LH and FSH. Damian E, et al. **Endocrinologie** 16(4):257-62, Oct-Dec 78

On the correlation between FSH, LH and prolactin serum levels. Krause W. **Endokrinologie** 72(2):129-35, May 78

Pituitary-testicular function in patients with chronic alcoholism. Lindholm J, et al. **Eur J Clin Invest** 8(5):269-72, Oct 78

Effect of epimestrol on gonadotropin and prolactin plasma levels and response to luteinizing hormone-releasing hormone/thyrotropin-releasing hormone in secondary amenorrhea and oligomenorrhea. Genazzani AR, et al. **Fertil Steril** 30(6):654-60, Dec 78

Gonadotropin and testosterone secretion in normal human males after stimulation with gonadotropin-releasing hormone (GnRH) or potent GnRH analogs using different modes of application. Happ J, et al. **Fertil Steril** 30(6):666-73, Dec 78

Gonadotropin secretion in eugonadotropic human males and postmenopausal females under long-term application of a potent analog of gonadotropin-releasing hormone. Happ J, et al. **Fertil Steril** 30(6):674-8, Dec 78

The relationship between long-distance running, plasma progesterone, and luteal phase length. Shangold M, et al. **Fertil Steril** 31(2):130-3, Feb 79

Monitoring of ovulation induction. Wu CH. **Fertil Steril** 30(6):617-30, Dec 78

The use of a one-day luteinizing hormone assay for timing of artificial insemination in infertility patients. Younger JB, et al. **Fertil Steril** 30(6):648-53, Dec 78

A comparative study of the annual cycles in sexual and thyroid function in male Peking ducks (Anas platyrhynchos) and teal (Anas crecca). Jallageas M, et al. **Gen Comp Endocrinol** 36(2):201–10, Oct 78

The 'LH/HCG test', a valuable aid in the diagnosis of tubal pregnancy. Gruenberger W, et al. **Gynecol Obstet Invest** 9(2–3):150–5, 1978

Gonadotropic patterns in psychogenic amenorrhea. Groll M. **Int J Gynaecol Obstet** 16(1):53–5, 1978

Effect of prostaglandin E2 and F2alpha on serum luteinizing hormone, testosterone and prolactin in bulls. Haynes NB, et al. **J Anim Sci** 47(4):923–6, Oct 78

Early changes in serum progesterone, estradiol and LH during prostaglandin F2alpha–induced luteolysis in mares. Noden PA, et al. **J Anim Sci** 47(3):666–71, Sep 78

Luteolysis, growth hormone, glucocorticoids, prolactin and milk production in lactating dairy cows given prostaglandin F2alpha. Renegar RH, et al. **J Anim Sci** 47(2):532–7, Aug 78

Testicular steroid secretion in response to GnRH–mediated LH and FSH release in bulls. Schanbacher BD, et al. **J Anim Sci** 47(2):514–20, Aug 78

Radioimmunoassay (RIA) and other saturation assay techniques in clinical medicine. Hazra DK, et al. **J Assoc Physicians India** 26(2):95–101, Feb 78

Effects of tamoxifen on plasma concentrations of testosterone and gonadotrophins in the male rat. Bartke A, et al. **J Endocrinol** 79(2):239–40, Nov 78

Possible neonatal imprinting of luteinizing hormone feedback by testosterone in male rats. Beraud G, et al. **J Endocrinol** 79(2):241–2, Nov 78

Steroidal control of the release of the preovulatory surge of luteinizing hormone in the rat. Wilson CA, et al. **J Endocrinol** 79(2):223–34, Nov 78

Age–related changes in reproductive hormones and in Leydig cell responsivity in the male Fischer 344 rat. Bethea CL, et al. **J Gerontol** 34(1):21–7, Jan 79

Seasonal diurnal variations in LH release in immature female rats and the effect of pinealectomy. Slama–Scemama A, et al. **J Neural Transm** 43(2):161–6, 1978

Effects of ethanol on the hypothalamic–pituitary–luteinizing hormone axis and testicular steroidogenesis. Cicero TJ, et al. **J Pharmacol Exp Ther** 208(2):210–5, Feb 79

Psychoendocrinology. de la Fuente JR, et al. **Mayo Clin Proc** 54(2):109–18, Feb 79 (95 ref.)

Endocrine abnormalities associated with chronic renal failure. Lim VS, et al. **Med Clin North Am** 62(6):1341–61, Nov 78 (75 ref.)

Prolactin–secreting tumors and hypogonadism in men [letter] **N Engl J Med** 300(10):563–4, 8 Mar 79

Androgen insensitivity as a cause of infertility in otherwise normal men. Aiman J, et al. **N Engl J Med** 300(5):223–7, 1 Feb 79

A new cause of male infertility [editorial] Walsh PC. **N Engl J Med** 300(5):253–4, 1 Feb 79

A characterization of the effects of pentobarbital on episodic LH release in ovariectomized rats. Arendash GW, et al. **Neuroendocrinology** 27(5–6):204–15, 1978

Effects of pinealectomy of rams on secretory profiles of luteinizing hormone, testosterone, prolactin and cortisol. Barrell GK, et al. **Neuroendocrinology** 27(5–6):216–27, 1978

Identification of inhibitory and stimulatory control of prolactin secretion in the rhesus monkey. Belchetz P, et al. **Neuroendocrinology** 27(1–2):32–8, 1978

Effect of pentobarbital on serum levels of LH, FSH and prolactin in long–term ovariectomized rats. Borrell J, et al. **Neuroendocrinology** 27(5–6):239–46, 1978

Effect of adrenalectomy on temporal patterns of serum gonadotropin levels. Dunn JD, et al. **Neuroendocrinology** 27(3–4):126–35, 1978

Estradiol potentiation of hypothalamic uptake of LH–RH from the CSF. Recabarren SE, et al. **Neuroendocrinology** 27(1–2):1–8, 1978

Pattern of adenohypophyseal hormone changes induced by various stressors in female and male rats. Ruisseau PD, et al. **Neuroendocrinology** 27(5–6):257–71, 1978

Serotonin in hypothalamic nuclei: increased content after castration of male rats. van de Kar L, et al. **Neuroendocrinology** 27(3–4):186–92, 1978

Hormonal content of plasma and endometrium of women taking oral contraceptives. Porias H, et al. **Obstet Gynecol** 52(6):703–7, Dec 78

Pituitary response to LHRH in midtrimester pregnancy. Sowers JR, et al. **Obstet Gynecol** 52(6):685–8, Dec 78

Pituitary and ovarian function in women with congenitally absent uterus. Ylikorkala O, et al. **Obstet Gynecol** 53(1):137–9, Jan 79

The effects of Premarin and norgestrel on plasma FSH, LH and androstenedione in post–menopausal women. Sexton L, et al. **Postgrad Med J** 54(2):42–6, 1978

Plasma hormone profiles after the menopause and bilateral oöphorectomy. Studd JW, et al. **Postgrad Med J** 54(2):25–30, 1978

Conversion of progesterone to testosterone in the rat Leydig cell. Gnodde HP, et al. **Proc Soc Exp Biol Med** 160(1):130–3, Jan 79

Pituitary response to TRH and LHRH in spontaneously hypertensive rats. Sowers JR, et al. **Proc Soc Exp Biol Med** 159(3):397–9, Dec 78

Hormone changes triggered by aggression in a natural population of blackbirds. Harding CF, et al. **Science** 203(4383):918–20, 2 Mar 79

[Dynamic study of the hypothalomo–hypophyseal–gonadal axis in patients with Klinefelter's syndrome] Maleeva A. **Vutr Boles** 17(6):56–62, 1978 (Eng. Abstr.) **(Bul)**

[Significance of serum testosterone and LH determination in the hormonal therapy of prostatic cancer] Scheinar J, et al. **Rozhl Chir** 57(12):805–12, Dec 78 (Eng. Abstr.) **(Cze)**

[The heterogeneity of micropolycystic ovary syndrome. 77 cases (author's transl)] Bremond A, et al. **Nouv Presse Med** 7(41):3733–6, 25 Nov 78 (Eng. Abstr.) **(Fre)**

[Estrogenic stimulation of the follicular phase of the human menstrual cycle: neuro endocrinian investigation (author's transl)] Gautray JP, et al. **Rev Fr Gynecol Obstet** 73(12):789–94, Dec 78 **(Fre)**

[Hormonal status of women after hysterectomy compared with controls (author's transl)] Kaiser R, et al. **Arch Gynecol** 226(4):363–8, 29 Dec 78 (Eng. Abstr.)**(Ger)**

[Measurement of LH in urine by HI–gonavis test for the predetermination of ovulation (author's transl)] Brandau H. **Geburtshilfe Frauenheilkd** 38(12):1047–51, Dec 78 (Eng. Abstr.) **(Ger)**

[Gonadotropin secretion in patients with testicular feminization] Valkov I, et al. **Zentralbl Gynaekol** 100(21):1399–402, 1978 (Eng. Abstr.) **(Ger)**

[The changes in serum levels of FSH, LH, LHalpha and beta–subunit, and prolactin and their responses to synthetic LH–RH and TRH in normal subjects with aging (author's transl)] Wasada T. **Fukuoka Igaku Zasshi** 69(12):506–18, 25 Dec 78 (Eng. Abstr.) **(Jpn)**

[Hyperprolactinemia and gonadal functions] Aono T, et al. **Horumon To Rinsho** 26(10):1021–7, Oct 78 **(Jpn)**

[Idiopathic varicocele. Report 2: Fertility after high ligation (author's transl)] Okuyama A. **Nippon Hinyokika Gakkai Zasshi** 69(10):1314–20, Oct 78 (Eng. Abstr.) **(Jpn)**

[Bilateral cryptorchism and its implications in male sterility] Netto Júnior NR, et al. **AMB** 24(9):320–2, Sep 78 (Eng. Abstr.) **(Por)**

[Syndrome of familial polycystic ovaries (Stein–Leventhal type): serum levels of luteinizing and follicle stimulating hormones before and after wedge resection of the ovaries] Toledo SP, et al. **AMB** 23(3):79–82, May 77 (Eng. Abstr.) **(Por)**

[A Paracanã Indian with idiopathic hypogonadotropic hypogonadism] Vieira Filho JP. **AMB** 24(10):363–4, Oct 78 (Eng. Abstr.) **(Por)**

[Hormonal status and the clinical course of ovarian cancer] Livshits MA, et al. **Akush Ginekol (Mosk)** (12):29–31, Dec 78 (Eng. Abstr.) **(Rus)**

[Gonadotropic regulation of ovarian function in patients with polycystic ovaries] Dobracheva AD, et al. **Probl Endokrinol (Mosk)** 25(1):19–23, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

[Interrelationship between the pineal gland and the hypothalamo–hypophyseal complex. IV. Effect of pinealectomy on the luteinizing function of the rat pituitary] Krivosheev OG, et al. **Probl Endokrinol (Mosk)** 25(1):47–52, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Progesterone and 20alpha–hydroxysteroid–dehydrogenase regulation in the corpus luteum of the pregnant rat. Loewit K, et al. **Acta Endocrinol (Copenh)** 90(1):176–84, Jan 79

Immunological control of fertility: measurement of affinity of antibodies to human chorionic gonadotrophin. Thanavala YM, et al. **Clin Exp Immunol** 33(3):403–9, Sep 78

Effects of immunization with the beta–subunit of ovine luteinizing hormone on corpus luteum function in the rhesus monkey. Thau RB, et al. **Fertil Steril** 31(2):200–4, Feb 79

Studies on the immunochemical relatedness among tetrapod gonadotropins and their subunits with antisera to sea turtle hormones. Licht P. **Gen Comp Endocrinol** 36(1):68–78, Sep 78

The endocrine control by luteinizing hormone of testosterone secretion from the testis of the Japanese quail. Maung SL, et al. **Gen Comp Endocrinol** 36(1):79–89, Sep 78

Maintenance of pregnancy in the rat in the absence of LH.

MacDonald GJ. **Proc Soc Exp Biol Med** 159(3):441–3, Dec 78

ISOLATION & PURIFICATION

Improved method of purifying some radiolabeled glycopeptide hormones. Patritti-Laborde N, et al. **Clin Chem** 25(1):163–5, Jan 79

METABOLISM

LH receptors and Leydig cell responsiveness to hCG in vitro. Purvis K, et al. **Arch Androl** 1(4):299–310, Sep 78

An immunohistochemical study of epithelial cells in the posterior lobe and pars tuberalis of the human adult pituitary gland. Osamura RY, et al. **Cell Tissue Res** 194(3):513–24, 12 Dec 78

Hormonal control of oocyte meiosis, ovulation and luteinization in mammals. Channing CP, et al. **Clin Endocrinol Metab** 7(3):601–24, Nov 78 (156 ref.)

Pituitary and placental gonadotrophins and sex steroids in the human and sub-human primate fetus. Kaplan SL, et al. **Clin Endocrinol Metab** 7(3):487–511, Nov 78 (114 ref.)

Sexual differentiation of the brain. Gorski RA. **Hosp Pract** 13(10):55–62, Oct 78

Morphometric study of testicle alterations in rats submitted to hypervitaminosis A. Lamano Carvalho TL, et al. **Int J Vitam Nutr Res** 48(4):307–15, 1978

Morphometric study of the reversibility of testicle alterations in rats submitted to hypervitaminosis A. Lamano Carvalho TL, et al. **Int J Vitam Nutr Res** 48(4):316–24, 1978

Gonadal luteinizing hormone receptors and adenylate cyclase: transfer of functional ovarian luteinizing hormone receptors to adrenal fasciculata cells. Dufau ML, et al. **Proc Natl Acad Sci USA** 75(10):4769–73, Oct 78

Gonadotropin receptors and regulation of steroidogenesis in the testis and ovary. Dufau ML, et al. **Vitam Horm** 36:461–592, 1978 (269 ref.)

[Iron storage disorders] Strohmeyer G. **Haematol Bluttransfus** 21:163–70, 1978 (16 ref.) **(Ger)**

[Endocrinologic studies on the syndrome of the XX-male] Schweikert HU, et al. **Verh Dtsch Ges Inn Med** (84):1416–9, 1978 **(Ger)**

[Gonadotropic regulation of ovarian function in patients with polycystic ovaries] Dobracheva AD, et al. **Probl Endokrinol (Mosk)** 25(1):19–23, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

[Interrelationship between the pineal gland and the hypothalamo-hypophyseal complex. IV. Effect of pinealectomy on the luteinizing function of the rat pituitary] Krivosheev OG, et al. **Probl Endokrinol (Mosk)** 25(1):47–52, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of LH, prolactin and spermine on ATPase activity of human spermatozoa. Sheth AR, et al. **Andrologia** 11(1):11–14, Jan 79

Effect of cytosol fractions from lutropin-stimulated rat testes on pregnenolone production by mitochondria from normal rat testes. Bakker CP, et al. **Biochim Biophys Acta** 543(2):235–42, 3 Oct 78

The endocrine control by luteinizing hormone of testosterone secretion from the testis of the Japanese quail. Maung SL, et al. **Gen Comp Endocrinol** 36(1):79–89, Sep 78

Effect of luteinizing hormone on the concentration of cyclic GMP in rabbit ovaries. Patwardhan VV, et al. **J Endocrinol** 79(2):251–2, Nov 78

Effects of intrafollicular administration of gonadotropins in two species of nonhuman primates using laparoscopy. Rawson JM, et al. **J Med Primatol** 7(4):223–7, 1978

Hormonal regulation of Leydig cell function. Purvis K, et al. **Mol Cell Endocrinol** 12(2):123–38, Nov 78 (65 ref.)

Maintenance of pregnancy in the rat in the absence of LH. MacDonald GJ. **Proc Soc Exp Biol Med** 159(3):441–3, Dec 78

[Gonadotropic regulation of ovarian function in patients with polycystic ovaries] Dobracheva AD, et al. **Probl Endokrinol (Mosk)** 25(1):19–23, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Cyclic changes in antral fluid hormone concentrations in humans. McNatty KP. **Clin Endocrinol Metab** 7(3):577–600, Nov 78

Follicular growth in fetal and prepubertal ovaries of humans and other primates. Peters H, et al. **Clin Endocrinol Metab** 7(3):469–85, Nov 78 (72 ref.)

*LYSINE VASOPRESSIN See page 34.

SECRETION

Developmental correlation between hypothalamic gonadotropin-releasing hormone and hypophysial luteinizing hormone. Gross DS, et al. **Am J Anat** 154(1):1–10, Jan 79

Gonadotropin profiles in fed and fasted obese women. Newmark SR, et al. **Am J Obstet Gynecol** 133(1):75–80, 1 Jan 79

Gonadotropin response to synthetic gonadotropin hormone-releasing hormone (GnRH) in heroin addicts. Brambilla F, et al. **Am J Psychiatry** 136(3):314–7, Mar 79

LH and FSH response to gonadotropin releasing hormone (GnRH) in normospermic, oligospermic and azoospermic men. Bain J, et al. **Arch Androl** 1(2):147–52, 1978

Stimulation of estrogen and luteinizing hormone secretion in postpartum beef cows. Echternkamp SE. **J Anim Sci** 47(2):521–31, Aug 78

Possible neonatal imprinting of luteinizing hormone feedback by testosterone in male rats. Beraud G, et al. **J Endocrinol** 79(2):241–2, Nov 78

Steroidal control of the release of the preovulatory surge of luteinizing hormone in the rat. Wilson CA, et al. **J Endocrinol** 79(2):223–34, Nov 78

Calcium as a second messenger in the stimulation of luteinizing hormone secretion. Hopkins CR, et al. **Mol Cell Endocrinol** 12(2):189–208, Nov 78

Dissociation of the porcine anterior pituitary: the kinetics of luteinizing hormone release in response to luteinizing hormone-releasing hormone. Walker AM, et al. **Mol Cell Endocrinol** 12(2):177–87, Nov 78

Reanalysis of the preoptic afferents and efferents involved in the surge of LH, FSH and prolactin release in the proestrous rat. Kimura F, et al. **Neuroendocrinology** 27(1–2):74–85, 1978

In vitro analysis of the participation of oxytocin and vasopressin in the gonadotropin releasing hormone-induced release of LH. Caffrey MH, et al. **Proc Soc Exp Biol Med** 159(3):444–8, Dec 78

Weight and circadian luteinizing hormone secretory pattern in anorexia nervosa. Katz JL, et al. **Psychosom Med** 40(7):549–67, Nov 78

Endocrine evaluation of the infertile male. Snyder PJ. **Urol Clin North Am** 5(3):451–62, Oct 78

[Inhibition of LH-RH induced release of gonadotropins by substance P in cultured rat anterior pituitary cells] Kerdelhué B, et al. **C R Acad Sci [D] (Paris)** 287(9):879–82, 16 Oct 78 (Eng. Abstr.) **(Fre)**

[Hypophyso-gonadal function in infancy. From newborn to puberty (author's transl)] Ruiz E, et al. **Rev Esp Fisiol** 34(4):407–10, Dec 78 (Eng. Abstr.) **(Spa)**

URINE

The concentrations of urinary oestrone-3-glucuronide, LH and pregnanediol-3alpha-glucuronide as indices of ovarian function. Collins WP, et al. **Acta Endocrinol (Copenh)** 90(2):336–48, Feb 79

[Measurement of LH in urine by HI-gonavis test for the predetermination of ovulation (author's transl)] Brandau H. **Geburtshilfe Frauenheilkd** 38(12):1047–51, Dec 78 (Eng. Abstr.) **(Ger)**

LIPOTROPIN

Immunoreactive beta-MSH in human plasma and in a corticotrophic adenoma culture medium. Its relation to the lipotrophins. Bertagna X, et al. **Acta Endocrinol (Copenh)** 90(1):8–17, Jan 79

[Endorphins and their significance for psychopathology] van Ree JM, et al. **Ned Tijdschr Geneeskd** 123(9):327–34, 3 Mar 79 (58 ref.) (Eng. Abstr.) **(Dut)**

ANALYSIS

Immunoreactive beta-MSH in human plasma and in a corticotrophic adenoma culture medium. Its relation to the lipotrophins. Bertagna X, et al. **Acta Endocrinol (Copenh)** 90(1):8–17, Jan 79

Isolation of the C-fragment and C'-fragment of lipotropin from pig pituitary and C-fragment from brain. Smyth DG, et al. **Biochem J** 175(1):261–70, 1 Oct 78

Lipotrophin-, melanocyte-stimulating hormone- and adrenocorticotrophin-like peptides in human lung, breast and gastric tumours [proceedings] Podmore J, et al. **J Endocrinol** 79(2):65P–66P, Nov 78

The brain as an endocrine organ. Guillemin R. **Neurosci Res Program Bull** 16 Suppl:1–25, Aug 78 (58 ref.)

*

BIOSYNTHESIS

The role of glycosylation on the biosynthesis, degradation, and secretion of the ACTH-beta-lipotropin common precursor and its peptide products. Loh YP, et al. **FEBS Lett** 96(2):269–72, 15 Dec 78

Biosynthesis of beta-endorphin, beta-lipotropin and the putative ACTH-LPH precursor in the frog pars intermedia. Pezalla PD, et al. **Life Sci** 23(23):2281–91, 4 Dec 78

BLOOD

Comparative metabolic clearance rate, volume of distribution and plasma half-life of human beta-lipotropin and ACTH. Liotta AS, et al. **Life Sci** 23(23):2323–30, 4 Dec 78

Presence of immunoreactive beta-endorphin in plasma of patients with Nelson's syndrome and Addison's disease. Nakai Y, et al. **Life Sci** 23(23):2293–8, 4 Dec 78

GENETICS

Construction of bacterial plasmids that contain the nucleotide sequence for bovine corticotropin-beta-lipotropin precursor. Nakanishi S, et al. **Proc Natl Acad Sci USA** 75(12):6021–5, Dec 78

ISOLATION & PURIFICATION

Immunologic localization of alpha- and beta-endorphins and beta-lipotropin in corticotropic cells of the normal and anencephalic fetal pituitaries. Bégeot M, et al. **Cell Tissue Res** 193(3):413–22, 30 Oct 78

METABOLISM

Beta-lipotropin and endorphins: implications of current knowledge. Guillemin R. **Hosp Pract** 13(11):53–60, Nov 78

Comparative metabolic clearance rate, volume of distribution and plasma half-life of human beta-lipotropin and ACTH. Liotta AS, et al. **Life Sci** 23(23):2323–30, 4 Dec 78

Biosynthesis of beta-endorphin from beta-lipotropin and a larger molecular weight precursor in rat pars intermedia. Crine P, et al. **Proc Natl Acad Sci USA** 75(10):4719–23, Oct 78

SECRETION

Coordinate control of corticotropin, beta-lipotropin, and beta-endorphin release in mouse pituitary cell cultures. Allen RG, et al. **Proc Natl Acad Sci USA** 75(10):4972–6, Oct 78

Corticotropin, lipotropin, and beta-endorphin production by a human nonpituitary tumor in culture: evidence for a common precursor. Bertagna XY, et al. **Proc Natl Acad Sci USA** 75(10):5160–4, Oct 78

LYPRESSIN

DIAGNOSTIC USE

[Study of the hypothalamo-pituitary adrenal function in 16 patients after surgery for pituitary tumor (author's transl)] Laurent MF, et al. **Ann Endocrinol (Paris)** 39(4):267–79, Jul-Aug 78 (Eng. Abstr.) **(Fre)**

MENOTROPINS

ADMINISTRATION & DOSAGE

Monitoring of ovulation induction. Wu CH. **Fertil Steril** 30(6):617–30, Dec 78

BLOOD

[The heterogeneity of micropolycystic ovary syndrome. 77 cases (author's transl)] Bremond A, et al. **Nouv Presse Med** 7(41):3733–6, 25 Nov 78 (Eng. Abstr.) **(Fre)**

DIAGNOSTIC USE

Diagnostic evaluation of progesterone. Challenge test in amenorrheic patients. Nakano R, et al. **Acta Obstet Gynecol Scand** 58(1):59–64, 1979

PHARMACODYNAMICS

Combined tubal and multiple intrauterine pregnancies following ovulation induction. Eckshtein N, et al. **Fertil Steril** 30(6):707–9, Dec 78

Monitoring of ovulation induction. Wu CH. **Fertil Steril** 30(6):617–30, Dec 78

THERAPEUTIC USE

Monitoring of ovulation induction. Wu CH. **Fertil Steril** 30(6):617–30, Dec 78

Restoration of male fertility five years after total hypophysectomy. Schroffner WG. **Hawaii Med J** 37(11):331–4, Nov 78

Oral contraceptive use and secondary amenorrhea. Kissi M, et al. **Obstet Gynecol** 53(2):241–4, Feb 79

Ovulation induction in amenorrheic women. March CM, et al. **Obstet Gynecol** 53(1):8–11, Jan 79

Induction of spermatogenesis in hypogonadotrophic hypogonadism. Spitz IM, et al. **Postgrad Med J** 54(636):694–7, Oct 78

Medical treatment of the subfertile male. Cunningham GR. **Urol Clin North Am** 5(3):537–48, Oct 78 (62 ref.)

[The gonadotropin-resistant ovary syndrome] Ordas J, et al. **Acta Obstet Ginecol Hisp Lusit** 26(8):497–506, Nov 78 **(Spa)**

MSH

ANALYSIS

Immunoreactive beta-MSH in human plasma and in a corticotrophic adenoma culture medium. Its relation to the lipotrophins. Bertagna X, et al. **Acta Endocrinol (Copenh)** 90(1):8–17, Jan 79

Lipotrophin-, melanocyte-stimulating hormone- and adrenocorticotrophin-like peptides in human lung, breast and gastric tumours [proceedings] Podmore J, et al. **J Endocrinol** 79(2):65P–66P, Nov 78

ANTAGONISTS & INHIBITORS

Neurobiology of centrally-acting peptides. pp. 209–28. Martin JB, et al. **In: den Hartog Jager, WA, et al., ed. Neurology. Amsterdam, Excerpta Medica, 1978. W3 EX89 no.434 1978.** (81 ref.)

BIOSYNTHESIS

Ectopic ACTH-MSH producing carcinoid tumor with multiple endocrine hyperplasia in a child. Amano S, et al. **Acta Pathol Jpn** 28(5):721–30, Sep 78

BLOOD

Immunoreactive beta-MSH in human plasma and in a corticotrophic adenoma culture medium. Its relation to the lipotrophins. Bertagna X, et al. **Acta Endocrinol (Copenh)** 90(1):8–17, Jan 79

IMMUNOLOGY

Immunoreactive beta-MSH in human plasma and in a corticotrophic adenoma culture medium. Its relation to the lipotrophins. Bertagna X, et al. **Acta Endocrinol (Copenh)** 90(1):8–17, Jan 79

alpha-Melanocyte stimulating hormone: immunohistochemical identification and mapping in neurons of rat brain. Jacobowitz DM, et al. **Proc Natl Acad Sci USA** 75(12):6300–4, Dec 78

METABOLISM

An immunohistochemical study of epithelial cells in the posterior lobe and pars tuberalis of the human adult pituitary gland. Osamura RY, et al. **Cell Tissue Res** 194(3):513–24, 12 Dec 78

The influence of the nervous system upon adrenal gland weight and assayable pituitary MSH. Francis MG, et al. **Neuroendocrinology** 27(5–6):228–38, 1978

Biological and radioimmunological evidence for melanocyte stimulating hormones (MSH) of extrapituitary origin in the rat brain. Vaudry H, et al. **Neuroendocrinology** 27(1–2):9–24, 1978

alpha-Melanocyte stimulating hormone: immunohistochemical identification and mapping in neurons of rat brain. Jacobowitz DM, et al.

Proc Natl Acad Sci USA 75(12):6300–4, Dec 78

PHARMACODYNAMICS

MSH/ACTH4–10 and task-induced increase in tendon reflexes and heart rate. Brunia CH, et al. **Pharmacol Biochem Behav** 9(5):615–8, Nov 78

PHYSIOLOGY

Fetal hormones and fetal growth. Jost A. **Contrib Gynecol Obstet** 5:1–20, 1979 (91 ref.)

NEUROPHYSINS

ANALYSIS

Immunological and biochemical characterization of distinct high molecular weight forms of neurophysin and somatostatin in mouse hypothalamus extracts. Lauber M, et al. **FEBS Lett** 97(2):343–7, 15 Jan 79

Neurophysin.lipid complexes. Characterization of lipid–containing neurophysin from rat posterior pituitary, delipidation, and reaggregation. Audhya TK, et al. **J Biol Chem** 254(2):291–8, 25 Jan 79

BLOOD

Neurohypophyseal peptides in hypothyroid rats: plasma levels and kidney response. Seif SM, et al. **Metabolism** 28(2):137–43, Feb 79

[The neurophysins (author's transl)] Legros JJ. **Ann Endocrinol (Paris)** 39(4):319–39, Jul–Aug 78 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

The neurosecretory neurone: a model system for the study of secretion. Pickering BT. **Essays Biochem** 14:45–81, 1978 (143 ref.)

SECRETION

[The neurophysins (author's transl)] Legros JJ. **Ann Endocrinol (Paris)** 39(4):319–39, Jul–Aug 78 (Eng. Abstr.) **(Fre)**

ORNIPRESSIN

METABOLISM

[The use of Ornipressin in dental local anesthesia] Schottke C, et al. **Stomatol DDR** 28(9):644–8, Sep 78 (Eng. Abstr.) **(Ger)**

STANDARDS

[The use of Ornipressin in dental local anesthesia] Schottke C, et al. **Stomatol DDR** 28(9):644–8, Sep 78 (Eng. Abstr.) **(Ger)**

OXYTOCICS

ADMINISTRATION & DOSAGE

[Personal experience with the use of desamino–oxytocin in pharmacological induction of labor] Pieri S, et al. **Riv Ital Ginecol** 58(1–2):81–6, Jan–Apr 77 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

[Personal experience with the use of desamino–oxytocin in testing fetal tolerance to uterine contraction] Pardini A, et al. **Riv Ital Ginecol** 58(1–2):87–92, Jan–Apr 77 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

[Personal experience with the use of desamino–oxytocin in pharmacological induction of labor] Pieri S, et al. **Riv Ital Ginecol** 58(1–2):81–6, Jan–Apr 77 (Eng. Abstr.) **(Ita)**

OXYTOCIN

ADMINISTRATION & DOSAGE

Augmentation of hyperosmolar urea for midtrimester induced abortion: comparison of two methods. Burkman RT, et al. **Adv Plann Parent** 13(3–4):51–5, 1978

The stretch modulus of human cervical tissue in spontaneous, oxytocin–induced, and prostaglandin E2–induced labor. Conrad JT, et al. **Am J Obstet Gynecol** 133(1):11–4, 1 Jan 79

Active pharmacologic management of the third stage of labor. A comparison of oxytocin and ergometrine. Sorbe B. **Obstet Gynecol** 52(6):694–7, Dec 78

Uterine activity, labor management, and perinatal outcome. Miller F. **Semin Perinatol** 2(2):181–6, Apr 78

[Labor induction with prostaglandin E2 tablets] Osler M. **Gynaekol Rundsch** 18 Suppl 1:28–39, 1978 **(Ger)**

ANALOGS & DERIVATIVES

Oxytocin binding sites in lactating rabbit mammary gland. Markle HV, et al. **Can J Biochem** 56(10):968–76, Oct 78

Oxytocin analogs effective as noncompetitive inhibitors in uterotonic test. Lebl M, et al. **Experientia** 34(12):1543–5, 15 Dec 78

Photoaffinity labeling of the antidiuretic hormone receptor. Goodman DB, et al. **J Membr Biol** 40 Spec No:323–9, 1978

[Personal experience with the use of desamino–oxytocin in testing fetal tolerance to uterine contraction] Pardini A, et al. **Riv Ital Ginecol** 58(1–2):87–92, Jan–Apr 77 (Eng. Abstr.) **(Ita)**

[Personal experience with the use of desamino–oxytocin in pharmacological induction of labor] Pieri S, et al. **Riv Ital Ginecol** 58(1–2):81–6, Jan–Apr 77 (Eng. Abstr.) **(Ita)**

ANALYSIS

Dilution control of aseptically filled oxytocin ampoules, using high–performance liquid chromatography. Maxl F, et al. **Pharm Acta Helv** 53(7):207–10, 1978

ANTAGONISTS & INHIBITORS

Oxytocin analogs effective as noncompetitive inhibitors in uterotonic test. Lebl M, et al. **Experientia** 34(12):1543–5, 15 Dec 78

BLOOD

Plasma oxytocin values [letter] Weitzman RE, et al. **Am J Obstet Gynecol** 132(8):913–5, 15 Dec 78

Method for determining oxytocin concentrations in unextracted sera; characterization in lactating cattle. Gorewit RC. **Proc Soc Exp Biol Med** 160(1):80–7, Jan 79

CHEMICAL SYNTHESIS

Oxytocin analogs effective as noncompetitive inhibitors in uterotonic test. Lebl M, et al. **Experientia** 34(12):1543–5, 15 Dec 78

DIAGNOSTIC USE

False negative oxytocin challenge test: report of three cases. Gal D, et al. **Am J Obstet Gynecol** 133(1):111–3, 1 Jan 79

[Personal experience with the use of desamino–oxytocin in testing fetal tolerance to uterine contraction] Pardini A, et al. **Riv Ital Ginecol** 58(1–2):87–92, Jan–Apr 77 (Eng. Abstr.) **(Ita)**

METABOLISM

Oxytocin binding sites in lactating rabbit mammary gland. Markle HV, et al. **Can J Biochem** 56(10):968–76, Oct 78

Differential effects of colchicine on transport in the oxytocin– and vasopressin–containing neurones of the hypothalamo–neurohypophysial system in the rat [proceedings] Parish DC, et al. **J Endocrinol** 79(2):24P–25P, Nov 78

Photoaffinity labeling of the antidiuretic hormone receptor. Goodman DB, et al. **J Membr Biol** 40 Spec No:323–9, 1978

Changes in pituitary oxytocin and vasopressin during the estrous cycle and after ovarian hormones: evidence for mediation by norepinephrine. Crowley WR, et al. **Life Sci** 23(26):2579–85, 25 Dec 78

PHARMACODYNAMICS

Effect of vasopressin and oxytocin perfusion of the cerebral ventricles on evoked tongue jerks. Leśnik H. **Acta Physiol Pol** 29(4):373–7, 1978

Antepartum fetal heart rate testing. I. Evolution of the nonstress test. Evertson LR, et al. **Am J Obstet Gynecol** 133(1):29–33, 1 Jan 79

False negative oxytocin challenge test associated with abdominal pregnancy. Orr JW Jr, et al. **Am J Obstet Gynecol** 133(1):108–10, 1 Jan 79

Species differences in contractility of seminiferous tubules and tunica albuginea as related to sperm transport through the testis. Ellis LC, et al. **Arch Androl** 1(2):139–46, 1978

(Ca2+ + Mg2+)-stimulated ATPase activity of rabbit myometrium plasma membrane is blocked by oxytocin. Akerman KE, et al. **FEBS Lett** 97(2):283–7, 15 Jan 79

Modulation of memory processes by neuropeptides of hypothalamic-neurohypophyseal origin. pp. 139–49. de Wied D, et al. **In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978.** (56 ref.)

Role of monoamines in mediating the action of hormones on learning and memory. pp. 249–68. Telegdy G, et al. **In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978.**

Midtrimester abortion with prostaglandin and hypertonic saline--a comparative study. Bhatt RV, et al. **Int J Gynaecol Obstet** 16(3):254–8, 1978–79

Disappearance of oxytocin-induced uterine tiredness by treatment with fructose-1,6-diphosphate. Experimental evidence. Costrini R, et al. **Int J Vitam Nutr Res** 48(4):411–7, 1978

Quantitative assessment of oxytocin-stimulated oviduct contractions of the ewe by optoelectronic measurements. Noonan JJ, et al. **J Anim Sci** 47(4):914–8, Oct 78

Midtrimester abortion utilizing intraamniotic prostaglandin F2alpha, laminaria and oxytocin. Horowitz AJ. **J Reprod Med** 21(4):236–40, Oct 78

The effects of oxytocin on fetal scalp temperature. Beck LR, et al. **Obstet Gynecol** 53(2):200–2, Feb 79

In vitro analysis of the participation of oxytocin and vasopressin in the gonadotropin releasing hormone-induced release of LH. Caffrey MH, et al. **Proc Soc Exp Biol Med** 159(3):444–8, Dec 78

Physiologic basis of myometrial function. Anderson NC Jr. **Semin Perinatol** 2(3):211–22, Jul 78 (58 ref.)

[Induction of labor with prostaglandins] Béguin F. **Gynaekol Rundsch** 18 Suppl 1:16–27, 1978 **(Fre)**

[The activity of L-cystine-aminopeptidase (oxytocinase) in the serum of pregnant women during intravenous application of oxytocin (author's transl)] Schumann K, et al. **Geburtshilfe Frauenheilkd** 38(12):1052–7, Dec 78 (Eng. Abstr.) **(Ger)**

[Effects of proxazole on spastic dystocia of the uterine cervix] Polacco V, et al. **Riv Ital Ginecol** 58(1–2):71–80, Jan–Apr 77 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Modulation of memory processes by neuropeptides of hypothalamic-neurohypophyseal origin. pp. 139–49. de Wied D, et al. **In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978.** (56 ref.)

An electrophysiological study of septal input to oxytocin and vasopressin neurones in the supraoptic nucleus of the rat [proceedings] Ellendorff F, et al. **J Physiol (Lond)** 284:124P, Nov 78

Initiation of parturition in the human female. MacDonald PC, et al. **Semin Perinatol** 2(3):273–86, Jul 78

Hormonal control of parturition in the sheep and goat. Thorburn GD. **Semin Perinatol** 2(3):235–45, Jul 78 (64 ref.)

SECRETION

Plasma oxytocin values [letter] Weitzman RE, et al. **Am J Obstet Gynecol** 132(8):913–5, 15 Dec 78

Inactivation of oxytocin release during prolonged electrical stimulation of the rat neural lobe [proceedings] Dyball RE, et al. **J Physiol (Lond)** 284:123P, Nov 78

[The neurophysins (author's transl)] Legros JJ. **Ann Endocrinol (Paris)** 39(4):319–39, Jul–Aug 78 (Eng. Abstr.) **(Fre)**

STANDARDS

Dilution control of aseptically filled oxytocin ampoules, using high-performance liquid chromatography. Maxl F, et al. **Pharm Acta Helv** 53(7):207–10, 1978

THERAPEUTIC USE

The use of drugs in pregnancy and labour. Ratten GJ. **Aust Fam Physician** 7(9):1118–9, 1122–3, 1125–6, Sep 78

A comparison of four methods of ripening the unfavourable cervix. Wilson PD. **Br J Obstet Gynaecol** 85(12):941–4, Dec 78

Cervical ripening and induction of labour with intravaginal prostaglandin F2 alpha. MacLennan AH, et al. **Lancet** 1(8108):117–9, 20 Jan 79

[Personal experience with the use of desamino-oxytocin in pharmacological induction of labor] Pieri S, et al. **Riv Ital Ginecol** 58(1–2):81–6, Jan–Apr 77 (Eng. Abstr.) **(Ita)**

[Clinical study of labor management in women with anemia] Daraż B. **Ginekol Pol** 49(9):829–30, Sep 78 **(Pol)**

PITUITARY HORMONES

BLOOD

Basal and TRH-stimulated thyroid and pituitary hormones in various degrees of renal insufficiency. Weissel M, et al. **Acta Endocrinol (Copenh)** 90(1):23–32, Jan 79

Blockade of dopamine (DA) receptors with pimozide and pituitary hormone release in response to intraventricular injection of gamma-aminobutyric acid (GABA) in conscious ovariectomized rats. Vijayan E, et al. **Brain Res** 162(1):69–76, 16 Feb 79

Endocrine status in normal British, Japanese and Hawaiian-Japanese women. Hayward JL, et al. **Eur J Cancer** 14(11):1221–8, Nov 78

[Hormones in ischemic heart disease with the presence of coronary atherosclerosis] Pivovarov VN, et al. **Kardiologiia** 18(12):30–6, Dec 78 (Eng. Abstr.) **(Rus)**

METABOLISM

Protein polypeptide hormones of the human fetus and placenta. Khan FS, et al. **Contrib Gynecol Obstet** 5:131–44. 1979 (97 ref.)

The interactions between vitamin B6 and hormones. Rose DP. **Vitam Horm** 36:53–99, 1978 (218 ref.)

PHARMACODYNAMICS

The regulation of amino acid transport in animal cells. Guidotti GG, et al. **Biochim Biophys Acta** 515(4):329–66, 15 Dec 78 (430 ref.)

Schwann cell growth factors. Raff MC, et al. **Cell** 15(3):813–22, Nov 78

Corticosteroid and neurohypophyseal hormone control of parturition in the guppy, Poecilia reticulata. Kujala GA. **Gen Comp Endocrinol** 36(2):286–96, Oct 78

PHYSIOLOGY

Fetal hormones and fetal growth. Jost A. **Contrib Gynecol Obstet** 5:1–20, 1979 (91 ref.)

PITUITARY HORMONES, ANTERIOR

BLOOD

Age-related changes in reproductive hormones and in Leydig cell responsivity in the male Fischer 344 rat. Bethea CL, et al. **J Gerontol** 34(1):21–7, Jan 79

Pattern of adenohypophyseal hormone changes induced by various stressors in female and male rats. Ruisseau PD, et al. **Neuroendocrinology** 27(5–6):257–71, 1978

Serum concentration of pituitary, thyroid and gonadal hormones in nondialysed and dialysed males with chronic renal failure. Czekalski S, et al. **Proc Eur Dial Transplant Assoc** 15:599–600, 1978

METABOLISM

[Changes in the level and metabolism of a number of hormones (insulin, somatotropin, thyrotropin, thyroid hormones, ACTH and cortisol) in myocardial infarct in vitro and in

vivo according to the radioisotope dilution tests] Leshchinskii LA, et al. **Ter Arkh** 50(12):34–41, 1978 **(Rus)**

PITUITARY HORMONES, POSTERIOR

PHARMACODYNAMICS

Modulation of memory processes by neuropeptides of hypothalamic–neurohypophyseal origin. pp. 139–49. de Wied D, et al.
In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978. (56 ref.)

PHYSIOLOGY

The neurosecretory neurone: a model system for the study of secretion. Pickering BT. **Essays Biochem** 14:45–81, 1978 (143 ref.)

Modulation of memory processes by neuropeptides of hypothalamic–neurohypophyseal origin. pp. 139–49. de Wied D, et al.
In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978. (56 ref.)

THERAPEUTIC USE

Effect of chlorophyll–a, fluorouracil, and pituitrin on experimental acute pancreatitis. Mann SK, et al.
Arch Pathol Lab Med 103(2):79–81, Feb 79

PITUITRIN

THERAPEUTIC USE

Effect of chlorophyll–a, fluorouracil, and pituitrin on experimental acute pancreatitis. Mann SK, et al.
Arch Pathol Lab Med 103(2):79–81, Feb 79

PROLACTIN

[Inhibition of postpartal lactation with 2–bromo–alpha–ergocryptine] Gerstner G, et al.
Wien Med Wochenschr 128(22):704–6, 1978 **(Ger)**

ANALYSIS

Prolactin in seminal plasma of infertile men. Segal S, et al. **Arch Androl** 1(1):49–52, 1978

Complete amino acid sequence of the precursor region of rat prolactin. McKean DJ, et al. **Biochemistry** 17(24):5215–9, 28 Nov 78

Immunocytochemical localisation of prolactin and growth hormone in the ovine pituitary. A morphological and quantitative study. Parry DM, et al. **Cell Tissue Res** 194(2):327–36, 20 Nov 78

Biological tests on eel 'prolactin' separated by gel electrophoresis. Knight PJ, et al. **Gen Comp Endocrinol** 36(1):30–2, Sep 78

[Human prolactin (author's transl)] von Werder K, et al.
Klin Wochenschr 57(1):1–12, 1 Jan 79 (143 ref.) (Eng. Abstr.) **(Ger)**

[Radioimmunologic determination of several hormones in commercial immunoglobulin preparations] Migunov VN, et al. **Zh Mikrobiol Epidemiol Immunobiol** (8):100–3, Aug 78 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

[Bromocryptin in amenorrhea] **Katilolehti** 83(12):474–6, Dec 78 **(Swe)**

[Physiology of lactation and weaning. II] Brundin J.
Katilolehti 83(11):418–21, Nov 78 **(Swe)**

BIOSYNTHESIS

Complete amino acid sequence of the precursor region of rat prolactin. McKean DJ, et al. **Biochemistry** 17(24):5215–9, 28 Nov 78

Purification of pre–prolactin mRNA from bovine anterior pituitary glands. Nilson JH, et al. **J Biol Chem** 254(5):1516–20, 10 Mar 79

Estrogen control of prolactin synthesis in vitro. Lieberman ME, et al. **Proc Natl Acad Sci USA** 75(12):5946–9, Dec 78

Effects of cannabinoids on reproduction and development. Bloch E, et al. **Vitam Horm** 36:203–58, 1978 (236 ref.)

Steroid hormone regulation of specific gene expression. Chan L, et al. **Vitam Horm** 36:259–95, 1978 (202 ref.)

[ECT: The apple of discord in modern psychiatry (author's transl)] Baumann P. **Praxis** 68(1):8–16, 3 Jan 79 (57 ref.) (Eng. Abstr.) **(Fre)**

BLOOD

Effect of bromocriptine (CB–154) on oestrogen–induced prolactin release. D'Agata R, et al.
Acta Endocrinol (Copenh) 90(2):193–7, Feb 79

The dynamics of growth hormone and prolactin secretion in acromegalic patients with 'mixed' pituitary tumours. Lamberts SW, et al. **Acta Endocrinol (Copenh)** 90(2):198–210, Feb 79

Hyperprolactinaemia in the spontaneously hypertensive rat. Sowers JR, et al. **Acta Endocrinol (Copenh)** 90(1):1–7, Jan 79

Basal and TRH–stimulated thyroid and pituitary hormones in various degrees of renal insufficiency. Weissel M, et al.
Acta Endocrinol (Copenh) 90(1):23–32, Jan 79

Biological significance of human prolactin in adult, healthy and infertile males. Sas M, et al.
Acta Med Acad Sci Hung 34(3):139–45, 1977

Improvement of defective lactation by using oral metoclopramide. Guzmán V, et al.
Acta Obstet Gynecol Scand 58(1):53–5, 1979

Effect of naloxone or levallorphan on serum prolactin concentrations and apomorphine–induced growth hormone secretion. Lal S, et al. **Acta Psychiatr Scand** 59(2):173–9, Feb 79

Hyperprolactinemia and thyrotropin–releasing factor (TRH) responses in men with alcoholic liver disease. Van Thiel DH, et al. **Alcoholism (NY)** 2(4):344–8, Oct 78

Ineffectiveness of pyridoxine in evaluation and treatment of the hyperprolactinemic amenorrhea–galactorrhea syndrome. Goodenow TJ, et al. **Am J Obstet Gynecol** 133(2):161–4, 15 Jan 79

Investigations on the influence of prolactin suppression on reproductive function in bulls. Stolla R, et al. **Andrologia** 11(1):1–10, Jan 79

Prolactin in azoospermic men and its relation to testicular morphology, serum testosterone and gonadotrophin levels. Suominen JJ, et al. **Andrologia** 11(1):15–7, Jan 79

Prolactin in seminal plasma of infertile men. Segal S, et al.
Arch Androl 1(1):49–52, 1978

Effects of synthetic gestagens on serum prolactin and growth hormone secretion in amenorrheic patients. Bohnet HG, et al. **Arch Gynecol** 226(3):233–40, 30 Nov 78

Pharmacokinetic and concentration–effect studies with intravenous metoclopramide. Bateman DN, et al.
Br J Clin Pharmacol 6(5):401–7, Nov 78

Prolactin responses to cimetidine. Burland WL, et al.
Br J Clin Pharmacol 7(1):19–21, Jan 79

Serum prolactin and gonadotrophin levels before and after luteinizing hormone–releasing hormone in the investigation of amenorrhoea. Bergh T, et al. **Br J Obstet Gynaecol** 85(12):945–56, Dec 78

Oestrogen–gonadotrophin feedback abnormalities in hyperprolactinaemic amenorrhoea demonstrated by the response to clomiphene administration. Glass MR, et al.
Br J Obstet Gynaecol 86(1):64–8, Jan 79

Endocrine basis for sexual dysfunction in men [editorial]
Br Med J 2(6151):1516–7, 2 Dec 78

Serum prolactin in epilepsy and hysteria. Trimble MR.
Br Med J 2(6153):1682, 16 Dec 78

Tranquillisers and plasma prolactin [letter] Wilson JD, et al.
Br Med J 1(6156):123–4, 13 Jan 79

Blockade of dopamine (DA) receptors with pimozide and pituitary hormone release in response to intraventricular injection of gamma–aminobutyric acid (GABA) in conscious ovariectomized rats. Vijayan E, et al. **Brain Res** 162(1):69–76, 16 Feb 79

Serum prolactin levels in hypothyroidism. Sheeler LR, et al.
Cleve Clin Q 45(4):307–10, Winter 78

Baclofen: lack of effect on human plasma prolactin. Potkin SG, et al. **Commun Psychopharmacol** 2(4):297–300, 1978

The development of fetal hypothalamic–pituitary gonadal adrenal function. Jenkin G, et al.
Contrib Gynecol Obstet 5:58–90, 1979 (158 ref.)

Bromocriptine in the treatment of secondary amenorrhoea and ovarian dysfunction in hyper– and normo–prolactinaemic patients. Milligan MP, et al. **Curr Med Res Opin** 5(9):734–8, 1978

Plasma prolactin in juvenile diabetics. 24–h studies with somatostatin. Hanssen KF, et al. **Diabetologia** 15(5):369–71, Nov 78

Prolactin secretion in nonalcoholic liver cirrhosis. Nunziata V, et al. **Digestion** 18(3–4):157–61, 1978

On the correlation between FSH, LH and prolactin serum levels. Krause W. **Endokrinologie** 72(2):129–35, May 78

Pituitary-testicular function in patients with chronic alcoholism. Lindholm J, et al. **Eur J Clin Invest** 8(5):269–72, Oct 78

Prolactin secretion inhibition by a new 8alpha-amino-ergoline, CH 29-171. Flückiger E, et al. **Experientia** 34(10):1330–2, 15 Oct 78

Prolactin and growth hormone releasing activity of [D-Met2, Pro5]-enkephalinamide in the rat after systemic administration. Locatelli V, et al. **Experientia** 34(12):1650–1, 15 Dec 78

Absent pyruvate inhibition of pyruvate dehydrogenase kinase in lactating rat mammary gland following various treatments. Removal of circulating insulin and prolactin and exposure to protein synthesis inhibitors. Baxter MA, et al. **FEBS Lett** 97(1):27–31, 1 Jan 79

Bromocriptine in the treatment of hyperolactinemic amenorrhea. Badano AR, et al. **Fertil Steril** 31(2):124–9, Feb 79

Pregnancy associated with the empty sella syndrome and hyperprolactinemia. Coulam CB, et al. **Fertil Steril** 31(2):220–3, Feb 79

Effect of epimestrol on gonadotropin and prolactin plasma levels and response to luteinizing hormone-releasing hormone/thyrotropin-releasing hormone in secondary amenorrhea and oligomenorrhea. Genazzani AR, et al. **Fertil Steril** 30(6):654–60, Dec 78

Regression of a prolactin-secreting pituitary tumor during long-term treatment with bromocriptine. Nillius SJ, et al. **Fertil Steril** 30(6):710–2, Dec 78

The relationship between long-distance running, plasma progesterone, and luteal phase length. Shangold M, et al. **Fertil Steril** 31(2):130–3, Feb 79

Diet, hormones, and breast cancer. Kent S. **Geriatrics** 34(1):83–5, 89–90, Jan 79 (38 ref.)

Sex hormones, prolactin levels, osmolarity and electrolyte patterns in menstrual migraine – relationship with fluid retention. Nattero G, et al. **Headache** 19(1):25–30, Jan 79

Galactorrhea and the defective luteal phase of the menstrual cycle. el-Mahgoub S. **Int J Gynaecol Obstet** 16(2).124–7, 1978–79

Radiographic abnormalities in patients with Stein-Leventhal syndrome. Tzingounis V, et al. **Int J Gynaecol Obstet** 16(2):167–9, 1978–79

Effect of intracarotid infusion of prostaglandin F2alpha on plasma prolactin and growth hormone in bulls. Haynes NB, et al. **J Anim Sci** 47(4):919–22, Oct 78

Effect of prostaglandin E2 and F2alpha on serum luteinizing hormone, testosterone and prolactin in bulls. Haynes NB, et al. **J Anim Sci** 47(4):923–6, Oct 78

Luteolysis, growth hormone, glucocorticoids, prolactin and milk production in lactating dairy cows given prostaglandin F2alpha. Renegar RH, et al. **J Anim Sci** 47(2):532–7, Aug 78

Altered hypothalamic-pituitary function in uraemic patients [proceedings] Cowden EA, et al. **J Endocrinol** 79(2):48P–49P, Nov 78

Transfer of milk prolactin to the plasma of neonatal rats by intestinal absorption. Whitworth NS, et al. **J Endocrinol** 79(2):191–9, Nov 78

Age-related changes in reproductive hormones and in Leydig cell responsivity in the male Fischer 344 rat. Bethea CL, et al. **J Gerontol** 34(1):21–7, Jan 79

Brain cortex phospholipids liposomes effects on CSF HVA, 5-HIAA and on prolactin and somatotropin secretion in man. Nizzo MC, et al. **J Neural Transm** 43(2):93–102, 1978

Endocrine aspects of bromocriptine therapy in Parkinsonism. Shaw KM, et al. **J Neural Transm** 43(2):153–60, 1978

Plasma prolactin concentrations in hypertensive rats. Flack JD, et al. **J Pharm Pharmacol** 31(1):61, Jan 79

Mechanisms of dihydroergotoxine's effect on prolactin release. Hofmann M, et al. **J Pharm Pharmacol** 31(1):42–4, Jan 79

Alterations of peripheral testosterone matabolism after induced hypoprolactinemia in patients with prostatic carcinoma. Jacobi GH, et al. **Klin Wochenschr** 57(1):49–51, 1 Jan 79

Stress, prolactin, and infertility [letter] Harrison RF, et al. **Lancet** 1(8109):209, 27 Jan 79

Bromocriptine [editorial] **Med J Aust** 2(10):473, 4 Nov 78

Prolactin-secreting tumors and hypogonadism in men [letter] **N Engl J Med** 300(10):563–4, 8 Mar 79

The prolactinoma problem [editorial] Reichlin S. **N Engl J Med** 300(6):313–5, 8 Feb 79

Effects of pinealectomy of rams on secretory profiles of luteinizing hormone, testosterone, prolactin and cortisol. Barrell GK, et al. **Neuroendocrinology** 27(5–6):216–27, 1978

Identification of inhibitory and stimulatory control of prolactin secretion in the rhesus monkey. Belchetz P, et al. **Neuroendocrinology** 27(1–2):32–8, 1978

Effect of pentobarbital on serum levels of LH, FSH and prolactin in long-term ovariectomized rats. Borrell J, et al. **Neuroendocrinology** 27(5–6):239–46, 1978

Effect of adrenalectomy on temporal patterns of serum gonadotropin levels. Dunn JD, et al. **Neuroendocrinology** 27(3–4):126–35, 1978

Relationship between tachycardia, prolactin and growth hormone in conscious ewes. Malven PV, et al. **Neuroendocrinology** 27(3–4):160–74, 1978

Effects of centrally acting drugs on serum prolactin levels in rhesus monkeys. Quadri SK, et al. **Neuroendocrinology** 27(3–4):136–47, 1978

The effect of pinealectomy on the pattern of prolactin secretion in conscious freely moving male rats. Rønnekleiv O, et al. **Neuroendocrinology** 27(5–6):279–90, 1978

Pattern of adenohypophyseal hormone changes induced by various stressors in female and male rats. Ruisseau PD, et al. **Neuroendocrinology** 27(5–6):257–71, 1978

Hydrocephalus and amenorrhea. Jawadi MH, et al. **Obstet Gynecol** 53(2):263–6. Feb 79

Pituitary response to LHRH in midtrimester pregnancy. Sowers JR, et al. **Obstet Gynecol** 52(6):685–8, Dec 78

Coexistent empty sella and prolactin-secreting microadenoma. Swanson JA, et al. **Obstet Gynecol** 53(2):258–63, Feb 79

Pituitary and ovarian function in women with congenitally absent uterus. Ylikorkala O, et al. **Obstet Gynecol** 53(1):137–9, Jan 79

Serum prolactin levels and vaginal cyclicity in concaveated and lactating female rats. Marinari KT, et al. **Physiol Behav** 21(4):525–8, Oct 78

Growth, gut fill and hormone levels in pair-fed lambs under two daylengths [proceedings] Brown WB, et al. **Proc Nutr Soc** 37(3):99A, Dec 78

Pituitary response to TRH and LHRH in spontaneously hypertensive rats. Sowers JR, et al. **Proc Soc Exp Biol Med** 159(3):397–9, Dec 78

Effect of sex steroid hormones on the serum prolactin concentration. Yoshida T, et al. **Tohoku J Exp Med** 127(2):119–22, Feb 79

Transsphenoidal microsurgery for tumors of the hypophysis. Velo AG, et al. **Va Med** 106(1):49–52, Jan 79

[Early and late inhibition of lactation using bromocriptine. A comparative study (author's transl)] Chef R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(5):1003–12, May-Jun 78 (Eng. Abstr.) **(Fre)**

[Prolactin in the sterile male] Hermabessiére J, et al. **J Urol Nephrol (Paris)** 83 Suppl 2:577–83, 1977 **(Fre)**

[Comparison of the variations in the levels of beta2-microglobulin and carcino-embryonic antigen in the breast cancer and malignant melanoma (author's transl)] Grenier J, et al. **Pathol Biol (Paris)** 26(6):371–2, Sep 78 (Eng. Abstr.) **(Fre)**

[Human prolactin (author's transl)] von Werder K, et al. **Klin Wochenschr** 57(1):1–12, 1 Jan 79 (143 ref.) (Eng. Abstr.) **(Ger)**

[Hyperprolactinemic effect of anti-psychotic drugs] Barreca T, et al. **Boll Soc Ital Biol Sper** 54(2):205–9, 30 Jan 78 **(Ita)**

[Effect of methadone and pentazocine on blood levels of prolactin in the human] Barreca T, et al. **Boll Soc Ital Biol Sper** 54(2):201–4, 30 Jan 78 **(Ita)**

[Circadian changes in blood prolactin levels in aged subjects] Rolandi E, et al. **Boll Soc Ital Biol Sper** 54(2):197–200, 30 Jan 78 **(Ita)**

[The changes in serum levels of FSH, LH, LHalpha and beta-subunit, and prolactin and their responses to synthetic LH-RH and TRH in normal subjects with aging (author's transl)] Wasada T. **Fukuoka Igaku Zasshi** 69(12):506–18, 25 Dec 78 (Eng. Abstr.) **(Jpn)**

[Hyperprolactinemia and gonadal functions] Aono T, et al. **Horumon To Rinsho** 26(10):1021–7, Oct 78 **(Jpn)**

[Prolactin secretion abnormality--introduction] Ibayashi H. **Horumon To Rinsho** 26(10):991–7, Oct 78 **(Jpn)**

[Non-neoplastic hyperprolactinemia] Kato Y. **Horumon To Rinsho** 26(10):1015–20, Oct 78 **(Jpn)**

[Prolactin secretion tests] Ueda T, et al. **Horumon To Rinsho** 26(10):999–1006, Oct 78 **(Jpn)**

[Gonadotropic regulation of ovarian function in patients with polycystic ovaries] Dobracheva AD, et al. **Probl Endokrinol (Mosk)** 25(1):19–23, Jan-Feb 79 (Eng. Abstr.) **(Rus)**

[Bromocryptin in amenorrhea] **Katilolehti** 83(12):474–6, Dec 78 **(Swe)**

CEREBROSPINAL FLUID

[Prolactin secreting pituitary neoplasms] Uozumi T, et al. **Horumon To Rinsho** 26(10):1007–14, Oct 78 **(Jpn)**

DEFICIENCY

Alterations of peripheral testosterone matabolism after induced hypoprolactinemia in patients with prostatic carcinoma. Jacobi GH, et al. **Klin Wochenschr** 57(1):49–51, 1 Jan 79

DIAGNOSTIC USE

Dynamic hormonal tests in a case of premature ovarian failure. Asch RH, et al. **South Med J** 72(1):72–4, Jan 79

GENETICS

Reverse transcription of purified prolactin messenger RNA [proceedings] Brocas H, et al. **Arch Int Physiol Biochim** 86(4):906–7, Oct 78

IMMUNOLOGY

Immunocytochemical localisation of prolactin and growth hormone in the ovine pituitary. A morphological and quantitative study. Parry DM, et al. **Cell Tissue Res** 194(2):327–36, 20 Nov 78

ISOLATION & PURIFICATION

Research in reproductive hormones. Butt WR. **Ann Clin Biochem** 16(1):1–5, Jan 79

Isolation and partial characterization of secreted mouse pituitary prolactin. Shoer LF, et al. **Biochim Biophys Acta** 537(2):336–47, 20 Dec 78

METABOLISM

Research in reproductive hormones. Butt WR. **Ann Clin Biochem** 16(1):1–5, Jan 79

Glucocorticoid modulation of prolactin receptors on mammary cells of lactating mice. Sakai S, et al. **Biochim Biophys Acta** 582(1):79–88, 4 Jan 79

Failure of cimetidine to antagonise dopamine-induced suppression of prolactin in vitro. Delitala G, et al. **Br J Clin Pharmacol** 7(1):117–9, Jan 79

Identification by immunofluorescence of prolactin- and somatotropin-producing cells in the pituitary gland of the Mexican axolotl (Ambystoma mexicanum, Shaw). Hauser-Gunsbourg N, et al. **Cell Tissue Res** 194(3):497–501, 12 Dec 78

An immunohistochemical study of epithelial cells in the posterior lobe and pars tuberalis of the human adult pituitary gland. Osamura RY, et al. **Cell Tissue Res** 194(3):513–24, 12 Dec 78

Transfer of milk prolactin to the plasma of neonatal rats by intestinal absorption. Whitworth NS, et al. **J Endocrinol** 79(2):191–9, Nov 78

Mechanisms of dihydroergotoxine's effect on prolactin release. Hofmann M, et al. **J Pharm Pharmacol** 31(1):42–4, Jan 79

Prolactin receptor on dissociated mammary epithelial cells at different stages of development. Sakai S, et al. **Mol Cell Endocrinol** 12(3):285–98, Dec 78

Influence of bromoergocryptine on estrogen-modulated prolactin receptors of mouse mammary gland. Sheth NA, et al. **Mol Cell Endocrinol** 12(2):167–76, Nov 78

Multiple receptors for dopamine. Kebabian JW, et al. **Nature** 277(5692):93–6, 11 Jan 79 (75 ref.)

Dopamine supersensitivity, endorphin excess, and prostaglandin E1 deficiency: three aspects of the same schizophrenic elephant. Horrobin DF. **Schizophr Bull** 4(4):487–8, 1978

Gonadotropin receptors and regulation of steroidogenesis in the testis and ovary. Dufau ML, et al. **Vitam Horm** 36:461–592, 1978 (269 ref.)

The interactions between vitamin B6 and hormones. Rose DP. **Vitam Horm** 36:53–99, 1978 (218 ref.)

PHARMACODYNAMICS

Development of the IgA system in the mammary gland. Lamm ME, et al. **Adv Exp Med Biol** 107:35–42, 1978

Effect of LH, prolactin and spermine on ATPase activity of human spermatozoa. Sheth AR, et al. **Andrologia** 11(1):11–14, Jan 79

Food intake and body weight regulation during the reproductive cycle of the golden hamster (Mesocricetus auratus). Fleming AS. **Behav Biol** 24(3):291–306, Nov 78

Osmoregulatory activity of prolactin in the skin of the crested newt. Lodi G, et al. **Gen Comp Endocrinol** 36(1):7–15, Sep 78

Development of lipoprotein lipase activity and accumulation of triacylglycerol in differentiating 3T3-L1 adipocytes. Effects of prostaglandin F2alpha, 1-methyl-3-isobutylxanthine, prolactin, and insulin. Spooner PM, et al. **J Biol Chem** 254(4):1305–11, 25 Feb 79

Effect of anterior pituitary and related peptide hormones on calcium absorption and the metabolism of vitamin D [proceedings] James MF, et al. **J Endocrinol** 79(2):38P–39P, Nov 78

Hormonal regulation of Leydig cell function. Purvis K, et al. **Mol Cell Endocrinol** 12(2):123–38, Nov 78 (65 ref.)

[Effect of adenohypophyseal hormones--prolactin and somatotropic--on milk secretion] Vladimirova AD. **Nerv Sist** 18:88–96, 1978 **(Rus)**

[Gonadotropic regulation of ovarian function in patients with polycystic ovaries] Dobracheva AD, et al. **Probl Endokrinol (Mosk)** 25(1):19–23, Jan-Feb 79 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Post-transcriptional stimulation of casein synthesis by thyroid hormone. Houdebine LM, et al. **Biochimie** 60(8):809–12, 1978

Role of spermidine in casein gene expression in the rabbit. Houdebine LM, et al. **Biochimie** 60(8):735–41, 1978

Cyclic changes in antral fluid hormone concentrations in humans. McNatty KP. **Clin Endocrinol Metab** 7(3):577–600, Nov 78

Hormonal correlates of normal and abnormal follicle growth after puberty in humans and other primates. Ross GT, et al. **Clin Endocrinol Metab** 7(3):561–75, Nov 78

Cytological changes in prolactin, ACTH, and growth hormone cells of the pituitary gland of Pungitius pungitius L. in response to increased environmental salinities. Benjamin M. **Gen Comp Endocrinol** 36(1):48–58, Sep 78

Prolactin and pituitary control of caicium regulation in the killifish, Fundulus heteroclitus. Pang PK, et al. **Gen Comp Endocrinol** 36(2):306–16, Oct 78

The relationship between prolactin cell activity, environmental calcium, and plasma calcium in the teleost Gasterosteus aculeatus. Observations on stanniectomized fish. Wendelaar Bonga SE, et al. **Gen Comp Endocrinol** 36(1):90–101, Sep 78

Diet, hormones, and breast cancer. Kent S. **Geriatrics** 34(1):83–5, 89–90, Jan 79 (38 ref.)

Thermal control of mother-young contact in rats. Leon M, et al. **Physiol Behav** 21(5):79O–811, Nov 78

Hormonal regulation of the partition of energy between milk and body tissue in adult cattle. Bines JA, et al. **Proc Nutr Soc** 37(3):281–7, Dec 78 (39 ref.)

[Prolactin in the sterile male] Hermabessiére J, et al. **J Urol Nephrol (Paris)** 83 Suppl 2:577–83, 1977 **(Fre)**

[Pathogenesis of the premenstrual syndrome (author's transl)] Van Bogaert LJ. **Nouv Presse Med** 7(43):3921–4, 2 Dec 78 (Eng. Abstr.) **(Fre)**

[Human prolactin (author's transl)] von Werder K, et al. **Klin Wochenschr** 57(1):1–12, 1 Jan 79 (143 ref.) (Eng. Abstr.) **(Ger)**

[Biology of breast cancer: current approaches to new treatment modalities (conclusion)] Nagel-Studer E, et al. **Schweiz Med Wochenschr** 108(52):2079–86, 30 Dec 78 **(Ger)**

[Prolactin secretion abnormality--introduction] Ibayashi H. **Horumon To Rinsho** 26(10):991–7, Oct 78 **(Jpn)**

SECRETION

Effect of bromocriptine (CB-154) on oestrogen-induced prolactin release. D'Agata R, et al. **Acta Endocrinol (Copenh)** 90(2):193–7, Feb 79

The dynamics of growth hormone and prolactin secretion in acromegalic patients with 'mixed' pituitary tumours. Lamberts SW, et al. **Acta Endocrinol (Copenh)** 90(2):198–210, Feb 79

Hyperprolactinaemia in the spontaneously hypertensive rat. Sowers JR, et al. **Acta Endocrinol (Copenh)** 90(1):1–7, Jan 79

Medical complications in methadone patients. Kreek MJ. **Ann NY Acad Sci** 311:110–34, 1978 (115 ref.)

Conversion of high molecular weight CRF (corticotropin-releasing factor) or PRF (prolactin-releasing factor) into lower molecular weight forms by boiling at low pH. Yasuda N, et al. **Biochem Biophys Res Commun** 85(4):1291–8, 29 Dec 78

Isolation and partial characterization of secreted mouse pituitary prolactin. Shoer LF, et al. **Biochim Biophys Acta** 537(2):336–47, 20 Dec 78

Space occupying growth of a pituitary adenoma producing hGH and hPrl during bromocriptin therapy. Halves E. **Clin Neurol Neurosurg** 80(4):251–7, 1977

Prolactin secretion in nonalcoholic liver cirrhosis. Nunziata V, et al. **Digestion** 18(3-4):157-61, 1978

Effect of morphine on the dopamine inhibition of pituitary prolactin release in vitro. Enjalbert A, et al. **Eur J Pharmacol** 53(2):211-2, 1 Jan 79

Prolactin secretion inhibition by a new 8alpha-amino-ergoline, CH 29-171. Flückiger E, et al. **Experientia** 34(10):1330-2, 15 Oct 78

Application of continuous perifusion to human pituitary adenomas in vitro [proceedings] Lawton NF, et al. **J Endocrinol** 79(2):45P-46P, Nov 78

Evidence from culture techniques that human pituitary adenomas secrete both growth hormone and prolactin [proceedings] Mashiter K, et al. **J Endocrinol** 79(2):46P-57P, Nov 78

Production of oestradiol-17beta by the goat mammary gland during late pregnancy in relation to lactogenesis [proceedings] Walker FM, et al. **J Physiol (Lond)** 284:71P-72P, Nov 78

Effect of TRH and dopamine on cyclic AMP levels in enriched mammotroph and thyrotroph cells. Barnes GD, et al. **Mol Cell Endocrinol** 12(3):273-84, Dec 78

Evidence for a role of endorphins in stress- and suckling-induced prolactin release in the rat. Ferland L, et al. **Mol Cell Endocrinol** 12(3):267-72, Dec 78

Effect of several androgens, cyproterone acetate or estrogen-progesterone on the prolactin-releasing activity of arginine vasotocin in castrated male rats. Vaughan MK, et al. **Mol Cell Endocrinol** 12(3):309-18, Dec 78

Prolactin-secreting tumors and hypogonadism in men [letter] **N Engl J Med** 300(10):563-4, 8 Mar 79

Reduction in size of a pituitary tumor by bromocriptine therapy. McGregor AM, et al. **N Engl J Med** 300(6):291-3, 8 Feb 79

The prolactinoma problem [editorial] Reichlin S. **N Engl J Med** 300(6):313-5, 8 Feb 79

Reanalysis of the preoptic afferents and efferents involved in the surge of LH, FSH and prolactin release in the proestrous rat. Kimura F, et al. **Neuroendocrinology** 27(1-2):74-85, 1978

Coexistent empty sella and prolactin-secreting microadenoma. Swanson JA, et al. **Obstet Gynecol** 53(2):258-63, Feb 79

Advances in endocrinology. Hardisty CA, et al. **Practitioner** 221(1324):499-503, Oct 78

[Postoperative analysis (ophthalmologic and endocrine) of a series of pituitary adenomas] Descuns P, et al. **Rev Otoneuroophtalmol** 50(4):343-52, Jul-Sep 78 **(Fre)**

[Results of a critical recheck of the diagnosis of 'inactive' pituitary adenoma] Olbricht T, et al. **Verh Dtsch Ges Inn Med** (84):1435-8, 1978 **(Ger)**

[Clinical aspects and hormonal study of amenorrhea-galactorrhea syndromes (AGS)] Rendina GM, et al. **Riv Ital Ginecol** 58(1-2):45-69, Jan-Apr 77 (Eng. Abstr.) **(Ita)**

[Prolactin secretion abnormality---introduction] Ibayashi H. **Horumon To Rinsho** 26(10):991-7, Oct 78 **(Jpn)**

[Prolactin secreting pituitary neoplasms] Uozumi T, et al. **Horumon To Rinsho** 26(10):1007-14, Oct 78 **(Jpn)**

[Biological properties of synthetic somatostatin] Iudaev NA, et al. **Probl Endokrinol (Mosk)** 25(1):75-9, Jan-Feb 79 (Eng. Abstr.) **(Rus)**

SOMATOTROPIN

Comparison of three iodination methods for human somatotropin. Apinyacharti P, et al. **Clin Chem** 25(1):161-3, Jan 79

ADMINISTRATION & DOSAGE

Rheumatoid arthritis and growth retardation in children: treatment with human growth hormone. Butenandt O. **Eur J Pediatr** 130(1):15-28, 18 Jan 79

Low serum somatomedin activity in celiac disease. A misleading aspect in growth failure from asymptomatic celiac disease. Lecornu M, et al. **Helv Paediatr Acta** 33(6):509-16, Dec 78

[Our experience with the management of pituitary dwarfism] Hníková O, et al. **Cesk Pediatr** 33(10):591-3, Oct 78 (Eng. Abstr.) **(Cze)**

[Somatomedin following administration of growth hormone in pituitary dwarfism] Marek J, et al. **Cesk Pediatr** 33(10):582-6, Oct 78 (Eng. Abstr.) **(Cze)**

ANALYSIS

Immunocytochemical localisation of prolactin and growth hormone in the ovine pituitary. A morphological and quantitative study. Parry DM, et al. **Cell Tissue Res** 194(2):327-36, 20 Nov 78

Radioimmunoassay of turkey growth hormone. Proudman JA, et al. **Gen Comp Endocrinol** 36(2):194-200, Oct 78

Pituitary function and growth hormone dynamics in acromegaloidism. Mims RB. **J Natl Med Assoc** 70(12):919-23, Dec 78

BIOSYNTHESIS

Severe hypothyroidism and the maturation of the rat cerebral cortex. Ruiz-Marcos A, et al. **Brain Res** 162(2):315-29, 23 Feb 79

Mechanisms of glucocorticoid inhibition of growth. Baxter JD. **Kidney Int** 14(4):330-3, Oct 78 (30 ref.)

Pituitary somatotrophs contain [Met]enkephalin-like immunoreactivity. Weber E, et al. **Proc Natl Acad Sci USA** 75(12):6134-8, Dec 78

Steroid hormone regulation of specific gene expression. Chan L, et al. **Vitam Horm** 36:259-95, 1978 (202 ref.)

BLOOD

The dynamics of growth hormone and prolactin secretion in acromegalic patients with 'mixed' pituitary tumours. Lamberts SW, et al. **Acta Endocrinol (Copenh)** 90(2):198-210, Feb 79

Basal and TRH-stimulated thyroid and pituitary hormones in various degrees of renal insufficiency. Weissel M, et al. **Acta Endocrinol (Copenh)** 90(1):23-32, Jan 79

Growth hormone response to prostaglandin E2. Hamilton W, et al. **Acta Paediatr Scand** 68(2):251-6, Mar 79

In vitro effects of growth hormone on protein synthesis and amino acid transport in the rat diaphragm after acute hypophysectomy. Albertsson-Wirkland K, et al. **Acta Physiol Scand** 105(2):215-21, Feb 79

Effect of naloxone or levallorphan on serum prolactin concentrations and apomorphine-induced growth hormone secretion. Lal S, et al. **Acta Psychiatr Scand** 59(2):173-9, Feb 79

Adrenergic mechanisms in recovery from hypoglycemia in man: adrenergic blockade. Clarke WL, et al. **Am J Physiol** 236(2):E147-52, Feb 79

Plasma somatomedin activity in protein calorie malnutrition. Mohan PS, et al. **Arch Dis Child** 54(1):62-4, Jan 79

Effects of synthetic gestagens on serum prolactin and growth hormone secretion in amenorrheic patients. Bohnet HG, et al. **Arch Gynecol** 226(3):233-40, 30 Nov 78

Renin, growth hormone and insulin in hemodialyzed uremic diabetics. Avram MM. **Artif Organs** 2(4):382-5, Nov 78

Hormonal profile, blood sugar control and HLA patterns in long-term insulin dependent diabetes with and without vascular disease. Larkins RG, et al. **Aust NZ J Med** 8(5):465-71, Oct 78

Metabolic consequences of atenolol and propranolol in treatment of essential hypertension. Day JL, et al. **Br Med J** 1(6156):77-80, 13 Jan 79

Blockade of dopamine (DA) receptors with pimozide and pituitary hormone release in response to intraventricular injection of gamma-aminobutyric acid (GABA) in conscious ovariectomized rats. Vijayan E, et al. **Brain Res** 162(1):69-76, 16 Feb 79

The development of fetal hypothalamic-pituitary gonadal adrenal function. Jenkin G, et al. **Contrib Gynecol Obstet** 5:58-90, 1979 (158 ref.)

Glucagon secretion in rats bearing a growth hormone producing tumor (MtT-W-15). Dunbar JC, et al. **Diabete Metab** 4(4):249-53, Dec 78

The regulation of plasma ketone body concentration by counter-regulatory hormones in man. III. Effects of norepinephrine in normal man. Schade DS, et al. **Diabetes** 28(1):5-10, Jan 79

Prolactin and growth hormone releasing activity of [D-Met2, Pro5]-enkephalinamide in the rat after systemic administration. Locatelli V, et al. **Experientia** 34(12):1650-1, 15 Dec 78

Radioimmunoassay of turkey growth hormone. Proudman JA, et al. **Gen Comp Endocrinol** 36(2):194-200, Oct 78

Low serum somatomedin activity in celiac disease. A misleading aspect in growth failure from asymptomatic celiac disease. Lecornu M, et al. **Helv Paediatr Acta** 33(6):509-16, Dec 78

Growth failure from symptomless celiac disease. A study of 14 patients. Verkasalo M, et al. **Helv Paediatr Acta** 33(6):489-95, Dec 78

Effect of intracarotid infusion of prostaglandin F2alpha on plasma prolactin and growth hormone in bulls. Haynes NB, et al. **J Anim Sci** 47(4):919-22, Oct 78

Luteolysis, growth hormone, glucocorticoids, prolactin and milk production in lactating dairy cows given prostaglandin

F2alpha. Renegar RH, et al. **J Anim Sci** 47(2):532–7, Aug 78

Trans-sphenoidal surgery for acromegaly: a comparison of cryosurgery and microsurgery [proceedings] Hay ID, et al. **J Endocrinol** 79(2):44P–45P, Nov 78

A national quality control scheme for assays of human growth hormone: the first two and a half years. Hunter WM, et al. **J Endocrinol** 79(2):49P–50P, Nov 78

Brain cortex phospholipids liposomes effects on CSF HVA, 5-HIAA and on prolactin and somatotropin secretion in man. Nizzo MC, et al. **J Neural Transm** 43(2):93–102, 1978

Endocrine aspects of bromocriptine therapy in Parkinsonism. Shaw KM, et al. **J Neural Transm** 43(2):153–60, 1978

Complete remission of acromegaly with medical treatment. Spark RF, et al. **JAMA** 241(6):573–5, 9 Feb 79

Metabolic and nutritional factors in children with renal insufficiency. Holliday MA, et al. **Kidney Int** 14(4):306–12, Oct 78 (78 ref.)

Psychoendocrinology. de la Fuente JR, et al. **Mayo Clin Proc** 54(2):109–18, Feb 79 (95 ref.)

Relationship between tachycardia, prolactin and growth hormone in conscious ewes. Malven PV, et al. **Neuroendocrinology** 27(3–4):160–74, 1978

Pattern of adenohypophyseal hormone changes induced by various stressors in female and male rats. Ruisseau PD, et al. **Neuroendocrinology** 27(5–6):257–71, 1978

Pituitary response to LHRH in midtrimester pregnancy. Sowers JR, et al. **Obstet Gynecol** 52(6):685–8, Dec 78

Solitary maxillary central incisor and normal stature. Wesley RK, et al. **Oral Surg** 46(6):837–42, Dec 78

Influence of haemoperfusion on plasma levels of hormones and beta-methyldigoxin. Kokot F, et al. **Proc Eur Dial Transplant Assoc** 15:604–6, 1978

Plasma growth hormone and spontaneous meals in sheep [proceedings] Driver PM, et al. **Proc Nutr Soc** 37(3):100A, Dec 78

Central effect of somatostatin on the secretion of growth hormone in the anesthetized rat. Abe H, et al. **Proc Soc Exp Biol Med** 159(3):346–9, Dec 78

Growth hormone and cortisol responses, tranquillizer usage, and their association with survival from myocardial infarction. Freebury DR, et al. **Psychosom Med** 40(6):462–77, Oct 78

Studies on the bioassayable growth hormone-like activity of plasma. Ellis S, et al. **Recent Prog Horm Res** 34:213–38, 1978 (33 ref.)

Abnormal growth hormone responses to CB-154 and thyrotropin-releasing hormone (TRH) in patients with acromegaly. Hanew K, et al. **Tohoku J Exp Med** 127(1):53–62, Jan 79

Transsphenoidal microsurgery for tumors of the hypophysis. Velo AG, et al. **Va Med** 106(1):49–52, Jan 79

[Somatomedin following administration of growth hormone in pituitary dwarfism] Marek J, et al. **Cesk Pediatr** 33(10):582–6, Oct 78 (Eng. Abstr.) **(Cze)**

[Growth hormone response to induced hypoglycemia in severe malnutrition] Hatemi S, et al. **Pediatrie** 3(7):647–51, Oct-Nov 78 (Eng. Abstr.) **(Fre)**

[Pancreatic beta cell function in various types of nanism] De Matteis F, et al. **Boll Soc Ital Biol Sper** 54(2):173–9, 30 Jan 78 **(Ita)**

[Secretion of growth hormone following stimulation with glucose and amino acids] Messina A, et al. **Boll Soc Ital Biol Sper** 54(5):472–7, 15 Mar 78 **(Ita)**

[Increase in somatotropin levels and the EEG during nocturnal sleep in the normal adult following administration of pimozide] Puca FM, et al. **Boll Soc Ital Biol Sper** 54(5):460–5, 15 Mar 78 **(Ita)**

[Behavior of plasma cortisol, ACTH and STH in subjects performing controlled work on the bicycle ergometer] Fratto D. **Minerva Med** 69(53):3665–72, 3 Nov 78 (Eng. Abstr.) **(Ita)**

[Serum growth hormone determination with Phadebas hGH PRIST---experimental and clinical studies] Matsuura H, et al. **Horumon To Rinsho** 26(10):1055–8, Oct 78 **(Jpn)**

[Serum growth hormone determination with a radioimmunoassay kit] Yonezawa K, et al. **Horumon To Rinsho** 26(10):1059–62, Oct 78 **(Jpn)**

[Plasma levels of cortisol, aldosterone, growth hormone and insulin during halothane-N2O anesthesia and surgery in elderly patients (author's transl)] Taniguchi K, et al. **Masui** 28(1):11–6, Jan 79 (Eng. Abstr.) **(Jpn)**

[Hormonal and metabolic disorders in ischemic heart disease] Vecherskiĭ GA. **Kardiologiia** 18(12):36–40, Dec 78 (Eng. Abstr.) **(Rus)**

[Hormonal profile in blood serum of children with chronic gastroduodenitis] Zubovskiĭ GA, et al. **Vopr Okhr Materin Det** 23(11):17–22, Nov 78 (Eng. Abstr.) **(Rus)**

[Short stature with assymetry (Silver's syndrome)] Jokanović R, et al. **Srp Arh Celok Lek** 106(2):143–51, 1978 (Eng. Abstr.) **(Scc)**

[Changes in energy metabolism body composition and hormone adaptation in childhood protein calorie malnutrition] Parra-Covarrubias A. **Gac Med Mex** 114(7):323–35, Jul 78 **(Spa)**

[Somatotropin hormone levels and growth changes in patients with ataxia-telangectasia] Rubio Pérez P, et al. **Rev Clin Esp** 151(3):207–9, 15 Nov 78 (Eng. Abstr.)**(Spa)**

DEFICIENCY

Insulin and growth hormone: regulators of growth with particular reference to muscle. Cheek DB, et al. **Kidney Int** 14(4):317–22, Oct 78 (41 ref.)

Insulin receptor binding, hypoinsulinemia and growth hormone [letter] Misbin RI, et al. **N Engl J Med** 300(9):498–9, 1 Mar 79

Coexistence of deficiency in alpha1 antitrypsin and in growth hormone [letter] Schydlower M, et al. **N Engl J Med** 300(7):366, 15 Feb 79

[Growth retardation in histiocytosis X. Evaluation of anterior pituitary function (author's transl)] Calzada LD, et al. **Sem Hop Paris** 54(41–42):1251–6, 18–25 Nov 78 (Eng. Abstr.) **(Fre)**

[Neurofibromatosis Recklinghausen with cerebral manifestation and deficiency of pituitary hormones (author's transl)] Frisch H, et al. **Monatsschr Kinderheilkd** 126(12):722–4, Dec 78 (Eng. Abstr.) **(Ger)**

[The renin-angiotensin system in chronic idiopathic pituitary insufficiency] Levin GM, et al. **Medicina (B Aires)** 38(5):519–23, Sep-Oct 78 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Immunocytochemical localisation of prolactin and growth hormone in the ovine pituitary. A morphological and quantitative study. Parry DM, et al. **Cell Tissue Res** 194(2):327–36, 20 Nov 78

ISOLATION & PURIFICATION

Studies on the bioassayable growth hormone-like activity of plasma. Ellis S, et al. **Recent Prog Horm Res** 34:213–38, 1978 (33 ref.)

METABOLISM

Solubilization of the lactogenic receptors from rat liver microsomes. Bonifacino JS, et al. **Biochem Biophys Res Commun** 85(1):62–9, 14 Nov 78

Identification by immunofluorescence of prolactin- and somatotropin-producing cells in the pituitary gland of the Mexican axolotl (Ambystoma mexicanum, Shaw). Hauser-Gunsbourg N, et al. **Cell Tissue Res** 194(3):497–501, 12 Dec 78

Endocrine abnormalities associated with chronic renal failure. Lim VS, et al. **Med Clin North Am** 62(6):1341–61, Nov 78 (75 ref.)

Amino acid and hormonal response to long-term nocturnal nasogastric feeding therapy of glycogen storage disease type I (GSD-I). Slonim AE, et al. **Monogr Hum Genet** 9:37–41, 1978

Pituitary cell transplants to the cerebral ventricles promote growth of hypophysectomized rats. Weiss S, et al. **Proc Soc Exp Biol Med** 159(3):409–13, Dec 78

The interactions between vitamin B6 and hormones. Rose DP. **Vitam Horm** 36:53–99, 1978 (218 ref.)

[Metabolism of somatotropin in severe liver diseases. Influence of the therapeutic administration of a liver extract] Pallotti S, et al. **Minerva Med** 69(55):3779–83, 14 Nov 78 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

In vitro effects of growth hormone on protein synthesis and amino acid transport in the rat diaphragm after acute hypophysectomy. Albertsson-Wirkland K, et al. **Acta Physiol Scand** 105(2):215–21, Feb 79

Effect of animal and plant hormones on insulin fixation to Acetabularia mediterranea [proceedings] Bourgeois P, et al. **Arch Int Physiol Biochim** 86(3):708–14, Aug 78

Human growth hormone active site for membrane cooperative enzymes. Farias RN, et al. **Biochem Biophys Res Commun** 85(1):85–91, 14 Nov 78

Inhibitory effect of growth hormone on Gross passage A virus-induced thymus leukemia in C3Hf mice. Duquesnoy RJ, et al. **Cancer Res** 39(2 Pt 1):415–8, Feb 79

Translational control of hepatic alpha2u globulin synthesis by growth hormone. Kurtz DT, et al. **Cell** 15(3):743–50, Nov

78
Effects of hormones on osteocyte function and perilacunar wall structure. Baud CA, et al. **Clin Orthop** (136):270–81, Oct 78 (81 ref.)
Ornithine decarboxylase activity in rat liver during phalloidin poisoning. Antony P, et al. **Cytobiologie** 18(2):244–53, Dec 78
Ribonucleic acid labelling perfused livers of protein-fed and protein-deprived rats. Christensson PI, et al. **Cytobios** 20(79–80):199–217, 1977
Inhibition of glucagon secretion by diazoxide in vitro. Urdanivia E, et al. **Diabetes** 28(1):26–31, Jan 79
Hepatic mediation of hormonal and nutritional factors influencing the in vitro sulfur uptake by rainbow trout bone. Komourdjian MP, et al. **Gen Comp Endocrinol** 36(1):33–9, Sep 78
Effect of hypophysectomy and growth hormone treatment on albumin mRNA levels in the rat liver. Keller GH, et al. **J Biol Chem** 254(2):276–8, 25 Jan 79
Effects of polypeptide hormone preparations on steroid production by the human foetal adrenal gland during superfusion [proceedings] Brown TJ, et al. **J Endocrinol** 79(2):60P–61P, Nov 78
Effect of anterior pituitary and related peptide hormones on calcium absorption and the metabolism of vitamin D [proceedings] James MF, et al. **J Endocrinol** 79(2):38P–39P, Nov 78
Homocysteic acid: an examination of its possible growth hormone-like activity. Chrzanowska BL, et al. **Metabolism** 28(1):80–4, Jan 79
Hormonal regulation of Leydig cell function. Purvis K, et al. **Mol Cell Endocrinol** 12(2):123–38, Nov 78 (65 ref.)
Roles of growth hormone and testosterone in the synthesis of mouse kidney glucuronidase. Swank RT. **Mol Cell Endocrinol** 12(2):139–49, Nov 78
Insulin-like effect of bovine growth hormone in vivo as demonstrated by oxidation of 14C-U-glucose in diabetic rats. Feller DD, et al. **Physiol Chem Phys** 10(4):291–304, 1978
[Effect of adenohypophyseal hormones--prolactin and somatotropic--on milk secretion] Vladimirova AD. **Nerv Sist** 18:88–96, 1978 **(Rus)**
[Transformation of separated lymphocytes from the blood of patients with infectious mononucleosis in the presence of phytohemagglutinins (PHA), pokeweed mitogen (PWM) and human growth hormone (STHh, HGH)] Softić N, et al. **Acta Med Iugosl** 32(5):441–62, 1978 (Eng. Abstr.)**(Scr)**
[The renin-angiotensin system in chronic idiopathic pituitary insufficiency] Levin GM, et al. **Medicina (B Aires)** 38(5):519–23, Sep–Oct 78 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Fetal hormones and fetal growth. Jost A. **Contrib Gynecol Obstet** 5:1–20, 1979 (91 ref.)
Cytological changes in prolactin, ACTH, and growth hormone cells of the pituitary gland of Pungitius pungitius L. in response to increased environmental salinities. Benjamin M. **Gen Comp Endocrinol** 36(1):48–58, Sep 78
Insulin and growth hormone: regulators of growth with particular reference to muscle. Cheek DB, et al. **Kidney Int** 14(4):317–22, Oct 78 (41 ref.)
The syndromes of primary hormone resistance. Verhoeven GF, et al. **Metabolism** 28(3):253–89, Mar 79 (300 ref.)
Insulin receptor binding, hypoinsulinemia and growth hormone [letter] Misbin RI, et al. **N Engl J Med** 300(9):498–9, 1 Mar 79
Endocrine factors in the control of nutrient utilization: ruminants. Bassett JM. **Proc Nutr Soc** 37(3):273–80, Dec 78
Hormonal regulation of the partition of energy between milk and body tissue in adult cattle. Bines JA, et al. **Proc Nutr Soc** 37(3):281–7, Dec 78 (39 ref.)
[Role of insulin resistance in the pathogenesis of diabetes mellitus] Reaven GM. **Medicina (B Aires)** 38(5):577–86, Sep–Oct 78 (76 ref.) **(Spa)**

SECRETION

The dynamics of growth hormone and prolactin secretion in acromegalic patients with 'mixed' pituitary tumours. Lamberts SW, et al. **Acta Endocrinol (Copenh)** 90(2):198–210, Feb 79
Growth hormone response to prostaglandin E2. Hamilton W, et al. **Acta Paediatr Scand** 68(2):251–6, Mar 79
Effect of naloxone or levallorphan on serum prolactin concentrations and apomorphine-induced growth hormone secretion. Lal S, et al. **Acta Psychiatr Scand** 59(2):173–9, Feb 79
Space occupying growth of a pituitary adenoma producing hGH and hPrl during bromocriptin therapy. Halves E. **Clin Neurol Neurosurg** 80(4):251–7, 1977
Glucagon secretion in rats bearing a growth hormone producing tumor (MtT-W-15). Dunbar JC, et al. **Diabete Metab** 4(4):249–53, Dec 78
Abnormal growth hormone response in obesity with normal carbohydrate tolerance and normal thyroid function. Ratzmann KP, et al. **Endokrinologie** 72(2):149–54, May 78
Evidence from culture techniques that human pituitary adenomas secrete both growth hormone and prolactin [proceedings] Mashiter K, et al. **J Endocrinol** 79(2):46P–57P, Nov 78
Pituitary function and growth hormone dynamics in acromegaloidism. Mims RB. **J Natl Med Assoc** 70(12):919–23, Dec 78
Acromegaly; a rare condition which develops insidiously. Tunbridge WM. **Nurs Times** 75(3):110–2, 18 Jan 79
Central effect of somatostatin on the secretion of growth hormone in the anesthetized rat. Abe H, et al. **Proc Soc Exp Biol Med** 159(3):346–9, Dec 78
[Growth hormone response to induced hypoglycemia in severe malnutrition] Hatemi S, et al. **Pediatrie** 3(7):647–51, Oct–Nov 78 (Eng. Abstr.) **(Fre)**
[Postoperative analysis (ophthalmologic and endocrine) of a series of pituitary adenomas] Descuns P, et al. **Rev Otoneuroophtalmol** 50(4):343–52, Jul–Sep 78 **(Fre)**
[Growth hormone secretion in acromegaly after isolated and combined use of the insulin hypoglycemia, LH-RH and TRH test] Schneider KR, et al. **Verh Dtsch Ges Inn Med** (84):1438–41, 1978 **(Ger)**
[Secretion of growth hormone following stimulation with glucose and amino acids] Messina A, et al. **Boll Soc Ital Biol Sper** 54(5):472–7, 15 Mar 78 **(Ita)**
[Daily variations in the secretion of several hormones in obesity] Epshtein EV. **Probl Endokrinol (Mosk)** 25(1):15–9, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Hyperbilirubinaemia and idiopathic hypopituitarism in the newborn period. Drop SL, et al. **Acta Paediatr Scand** 68(2):277–80, Mar 79
What to do with 'postmenopausal osteoporosis?' [editorial] Avioli LV. **Am J Med** 65(6):881–4, Dec 78
Ornithine decarboxylase activity in rat liver during phalloidin poisoning. Antony P, et al. **Cytobiologie** 18(2):244–53, Dec 78
Rheumatoid arthritis and growth retardation in children: treatment with human growth hormone. Butenandt O. **Eur J Pediatr** 130(1):15–28, 18 Jan 79
Insulin and growth hormone: regulators of growth with particular reference to muscle. Cheek DB, et al. **Kidney Int** 14(4):317–22, Oct 78 (41 ref.)
Supply of human pituitary growth hormone [letter] Burger HG. **Med J Aust** 2(8):389, 7 Oct 78
[Growth retardation in histiocytosis X. Evaluation of anterior pituitary function (author's transl)] Calzada LD, et al. **Sem Hop Paris** 54(41–42):1251–6, 18–25 Nov 78 (Eng. Abstr.) **(Fre)**
[The renin-angiotensin system in chronic idiopathic pituitary insufficiency] Levin GM, et al. **Medicina (B Aires)** 38(5):519–23, Sep–Oct 78 (Eng. Abstr.) **(Spa)**

THYROTROPIN

9th annual meeting of the European Thyroid Association. Abstracts. Berlin–4--8 September 1978. **Ann Endocrinol (Paris)** 39(5):1A–62A, 1978
Isolation and characterization of the subunits of bovine follitropin. Cheng KW. **Biochem J** 175(1):29–34, 1 Oct 78

ADMINISTRATION & DOSAGE

Renal handling of homologous radioiodinated thyrotrophin in the rat. Kuku SF, et al. **Acta Endocrinol (Copenh)** 90(1):69–80, Jan 79
Endogenous serum TSH levels and metastatic survey scans in thyroid cancer patients using triiodothyronine withdrawal. Martin ND. **Clin Nucl Med** 3(10):401–3, Oct 78

ANTAGONISTS & INHIBITORS

Triiodothyronine turnover studies in euthyroid patients with autonomous thyroid nodules. Bianchi R, et al. **Metabolism** 28(2):163–8, Feb 79

BLOOD

Hypopituitarism and artificial ventilation. Barber SG. **Acta Endocrinol (Copenh)** 90(2):211–6, Feb 79

Purification of 'inhibin' from human ovarian follicular fluid. Chari S, et al. **Acta Endocrinol (Copenh)** 90(1):157–66, Jan 79

Effect of clomifene on thyroid function in normal men. Feldt-Rasmussen U, et al. **Acta Endocrinol (Copenh)** 90(1):43–51, Jan 79

Serum thyrotrophin and circulating thyroglobulin and thyroid microsomal antibodies in a Finnish population. Gordin A, et al. **Acta Endocrinol (Copenh)** 90(1):33–42, Jan 79

Failure of the TRH test to predict the clinical course of patients in remission after antithyroid drug therapy for Graves' disease. Irvine WJ, et al. **Acta Endocrinol (Copenh)** 90(1):18–22, Jan 79

Dual action of adrenergic system on the regulation of thyrotrophin secretion in the male rat. Männistö, et al. **Acta Endocrinol (Copenh)** 90(2):249–58, Feb 79

Basal and TRH-stimulated thyroid and pituitary hormones in various degrees of renal insufficiency. Weissel M, et al. **Acta Endocrinol (Copenh)** 90(1):23–32, Jan 79

Growth hormone response to prostaglandin E2. Hamilton W, et al. **Acta Paediatr Scand** 68(2):251–6, Mar 79

Serum concentrations of thyrotropin, thyroid hormones and thyroid hormone-binding proteins during acute and recovery stages of idiopathic respiratory distress syndrome. Jacobsen BB, et al. **Acta Paediatr Scand** 68(2):257–64, Mar 79

Effects of triiodothyronine on the anemia of chronic renal failure. Ferrer J, et al. **Am J Hematol** 5(2):139–43, 1978

Thyrotoxicosis during pregnancy. Pekonen F, et al. **Ann Chir Gynaecol** 67(5):165–73, 1978 (100 ref.)

Combined hypothalamic hypothyroidism and secondary adrenal insufficiency. Misdiagnosed as primary hypothyroidism. Farese RV, et al. **Arch Intern Med** 139(1):99–100, Jan 79

Isolated high serum triiodothyronine levels. Clinical relevance after sodium iodide I 131 therapy. Soler NG, et al. **Arch Intern Med** 139(1):36–8, Jan 79

Review of patients after 131I treatment for thyrotoxicosis [letter] Hedley AJ, et al. **Br Med J** 2(6151):1569, 2 Dec 78

Severe hypothyroidism and the maturation of the rat cerebral cortex. Ruiz-Marcos A, et al. **Brain Res** 162(2):315–29, 23 Feb 79

Blockade of dopamine (DA) receptors with pimozide and pituitary hormone release in response to intraventricular injection of gamma-aminobutyric acid (GABA) in conscious ovariectomized rats. Vijayan E, et al. **Brain Res** 162(1):69–76, 16 Feb 79

Thyroid abnormalities following neck irradiation for Hodgkin's disease. Nelson DF, et al. **Cancer** 42(6):2553–62, Dec 78

Serum prolactin levels in hypothyroidism. Sheeler LR, et al. **Cleve Clin Q** 45(4):307–10, Winter 78

Endogenous serum TSH levels and metastatic survey scans in thyroid cancer patients using triiodothyronine withdrawal. Martin ND. **Clin Nucl Med** 3(10):401–3, Oct 78

The effect of lactation on thyroid activity of women. Strbák V, et al. **Endokrinologie** 72(2):183–7, May 78

Triiodothyronine (T3) concentration and therapy in autistic children. Abbassi V, et al. **J Autism Child Schizophr** 8(4):383–7, Dec 78

Altered hypothalamic-pituitary function in uraemic patients [proceedings] Cowden EA, et al. **J Endocrinol** 79(2):48P–49P, Nov 78

Endocrine aspects of bromocriptine therapy in Parkinsonism. Shaw KM, et al. **J Neural Transm** 43(2):153–60, 1978

Thyroid function tests 1978. Clifton-Bligh P. **Med J Aust** 2(8):375–8, 7 Oct 78

Triiodothyronine turnover studies in euthyroid patients with autonomous thyroid nodules. Bianchi R, et al. **Metabolism** 28(2):163–8, Feb 79

Pattern of adenohypophyseal hormone changes induced by various stressors in female and male rats. Ruisseau PD, et al. **Neuroendocrinology** 27(5–6):257–71, 1978

Hydrocephalus and amenorrhea. Jawadi MH, et al. **Obstet Gynecol** 53(2):263–6, Feb 79

Pituitary response to LHRH in midtrimester pregnancy. Sowers JR, et al. **Obstet Gynecol** 52(6):685–8, Dec 78

Response to thyrotrophin-releasing hormone in atrial dysrhythmias. Symons C, et al. **Postgrad Med J** 54(636):658–62, Oct 78

Thyroid function in long term haemofiltration. Schneider H, et al. **Proc Eur Dial Transplant Assoc** 15:187–93, 1978

Pituitary response to TRH and LHRH in spontaneously hypertensive rats. Sowers JR, et al. **Proc Soc Exp Biol Med** 159(3):397–9, Dec 78

Oxygen consumption in the spontaneously hypertensive rat. Wright GL, et al. **Proc Soc Exp Biol Med** 159(3):449–52, Dec 78

Effect of carbamazepine, phenytoin and phenobarbitone on serum levels of thyroid hormones and thyrotropin in humans. Rootwelt K, et al. **Scand J Clin Lab Invest** 38(8):731–6, Dec 78

Changes in thyroid hormones by treatment with aspirin and prednisolone in subacute thyroiditis with hyperthyroidism. Yamamoto M, et al. **Tohoku J Exp Med** 127(1):85–95, Jan 79

[Thyroxine and tsh levels in the serum of the burned (author's transl)] Doleček R, et al. **Cas Lek Cesk** 117(46):1439–40, 1978 (Eng. Abstr.) **(Cze)**

[Pituitary reserve of thyrotrophic hormone in hypothyroid children] Bkzim A, et al. **Cesk Pediatr** 33(10):598–600, Oct 78 (Eng. Abstr.) **(Cze)**

[Decreased triiodothyronine (T3) production in constant reverse T3 production in advanced age] Smeulers J, et al. **Ned Tijdschr Geneeskd** 123(1):12–5, 6 Jan 79 (Eng. Abstr.) **(Dut)**

[Low triiodothyronine syndrome in non thyroidal diseases. Distribution and serum TSH concentration studies (author's transl)] Linquette M, et al. **Ann Endocrinol (Paris)** 39(4):303–12, Jul-Aug 78 (Eng. Abstr.) **(Fre)**

[The neonatal detection of congenital hypothyroidism (author's transl)] Farriaux JP, et al. **Nouv Presse Med** 7(36):3241–4, 21 Oct 78 (Eng. Abstr.) **(Fre)**

[Therapeutical test of Euthyral in thirty one cases of hypothyroidism (author's transl)] Charbonnel B. **Sem Hop Paris** 54(41–42):1291–5, 18–25 Nov 78 (Eng. Abstr.) **(Fre)**

[Plasma levels of 3,3', 5'-T3 (reverse-T3) under various functional thyroid conditions] Hüfner M, et al. **Acta Biol Med Ger** 37(3):447–52, 1978 (Eng. Abstr.) **(Ger)**

[Alteration of TSH secretion in children with goitre after short-term treatment with potassium iodide (author's transl)] Ranke M, et al. **Dtsch Med Wochenschr** 104(4):132–4, 26 Jan 79 (Eng. Abstr.) **(Ger)**

[Endocrine ophthalmopathy in Graves disease during antithyroid drug therapy (author's transl)] Wuttke H, et al. **Klin Wochenschr** 57(2):69–74, 15 Jan 79 (Eng. Abstr.) **(Ger)**

[Practical experiences with the TRH rapid test in the diagnosis of thyroid function] Weiske R, et al. **Med Welt** 30(4):123–30, 26 Jan 79 **(Ger)**

[Judgement of the effectivity of radioiodine therapy of thyreotoxicosis according to results of the radioimmunological determination of the thyrotropic pituitary hormone (author's transl)] Livergant JE, et al. **Radiobiol Radiother (Berl)** 19(5):632–6, Oct 78 (Eng. Abstr.) **(Ger)**

[Clinical significance of 'sub- or preclinical' hyperthyroidism] Studer H, et al. **Schweiz Med Wochenschr** 108(51):2029–33, 23 Dec 78 (Eng. Abstr.) **(Ger)**

[Treatment of thyrotoxicosis with 125-iodine: results in 93 patients 3 to 5 years after treatment, and comparison with 131-iodine therapy (author's transl)] Glanzmann Ch, et al. **Strahlentherapie** 155(1):1–5, Jan 79 (Eng. Abstr.) **(Ger)**

[Behavior of the thyrotropin reserve in subjects with 'hot' thyroid areas] Vattimo A, et al. **Boll Soc Ital Biol Sper** 54(2):137–40, 30 Jan 78 **(Ita)**

[Thyroid gland examination of junior and senior high school girls] Ito S. **Horumon To Rinsho** 26(10):1093–5, Oct 78 **(Jpn)**

[Evaluation of TSH 'Eiken'] Makino E, et al. **Horumon To Rinsho** 26(10):1067–70, Oct 78 **(Jpn)**

[Studies of TSH radioimmunoassay kit, 'Eiken'] Shizume K, et al. **Horumon To Rinsho** 26(10):1063–6, Oct 78 **(Jpn)**

[Hormonal profile in blood serum of children with chronic gastroduodenitis] Zubovskiĭ GA, et al. **Vopr Okhr Materin Det** 23(11):17–22, Nov 78 (Eng. Abstr.) **(Rus)**

[Serum levels of pituitary thyrotropin during estrogen administration in males] Zaninovich AA, et al. **Medicina (B Aires)** 38(4):347–51, Jul-Aug 78 (Eng. Abstr.) **(Spa)**

DIAGNOSTIC USE

Pitfalls in the laboratory diagnosis of atypical hyperthyroidism. Hamburger JI. **Arch Intern Med** 139(1):96–8, Jan 79

[Clinical value of the TRH stimulation test] Diez Jiménez L, et al. **Rev Clin Esp** 151(6):479–81, 31 Dec 78 **(Spa)**

ISOLATION & PURIFICATION

Improved method of purifying some radiolabeled

glycopeptide hormones. Patritti-Laborde N, et al. **Clin Chem** 25(1):163-5, Jan 79

The brain as an endocrine organ. Guillemin R. **Neurosci Res Program Bull** 16 Suppl:1-25, Aug 78 (58 ref.)

METABOLISM

Studies of the TSH radioreceptor assay. Beall GN, et al. **Acta Endocrinol (Copenh)** 90(2):217-26, Feb 79

Effects of alpha- and beta-adrenergic blockers on binding of thyrotrophin to fat cell membrane. Kishihara M, et al. **Acta Endocrinol (Copenh)** 90(2):240-8, Feb 79

Renal handling of homologous radioiodinated thyrotrophin in the rat. Kuku SF, et al. **Acta Endocrinol (Copenh)** 90(1):69-80, Jan 79

Metabolism during the hypermetabolic phase of thermal injury. Wilmore DW, et al. **Adv Surg** 12:193-225, 1978

The binding of 125I-TSH to thyroid cell receptors previously deformed (in neonatal age) by gonadotropin treatment. Csaba G, et al. **Biol Neonate** 34(5-6):275-7, 1978

An immunohistochemical study of epithelial cells in the posterior lobe and pars tuberalis of the human adult pituitary gland. Osamura RY, et al. **Cell Tissue Res** 194(3):513-24, 12 Dec 78

Correlation between 3',5', c-AMP levels and thyrotropin in separated rat pituitary thyrotropic cells. Tal E, et al. **Experientia** 34(10):1286-8, 15 Oct 78

Thyrotrophin receptors in human adipose tissue [proceedings] Gill DL, et al. **J Endocrinol** 79(2):57P-58P, Nov 78

The interactions between vitamin B6 and hormones. Rose DP. **Vitam Horm** 36:53-99, 1978 (218 ref.)

[Pituitary reserve of thyrotrophic hormone in hypothyroid children] Blaim A, et al. **Cesk Pediatr** 33(10):598-600, Oct 78 (Eng. Abstr.) **(Cze)**

[Behavior of the thyrotropin reserve in subjects with 'hot' thyroid areas] Vattimo A, et al. **Boll Soc Ital Biol Sper** 54(2):137-40, 30 Jan 78 **(Ita)**

PHARMACODYNAMICS

Correlation between 3',5', c-AMP levels and thyrotropin in separated rat pituitary thyrotropic cells. Tal E, et al. **Experientia** 34(10):1286-8, 15 Oct 78

Cytochemical localization of complex carbohydrates in the thyroid gland of normal and TSH-treated mice. Tamura S, et al. **Histochemistry** 58(1-2):57-64, 24 Nov 78

Administration of thyrotropin releasing hormone (TRH) to rats releases dopamine in n. accumbens but not n. caudatus. Heal DJ, et al. **Neuropharmacology** 18(1):23-31, Jan 79

[The thyroid gland and its regulation] Lamy F, et al. **C R Soc Biol (Paris)** 172(3):413-21, 1978 **(Fre)**

[Effect of potassium iodide and perchlorate on the process of thyroid hormone secretion] Turakulov IaKh, et al. **Biull Eksp Biol Med** 86(12):653-5, Dec 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The syndromes of primary hormone resistance. Verhoeven GF, et al. **Metabolism** 28(3):253-89, Mar 79 (300 ref.)

The brain as an endocrine organ. Guillemin R. **Neurosci Res Program Bull** 16 Suppl:1-25, Aug 78 (58 ref.)

[The thyroid gland and its regulation] Lamy F, et al. **C R Soc Biol (Paris)** 172(3):413-21, 1978 **(Fre)**

SECRETION

Dual action of adrenergic system on the regulation of thyrotrophin secretion in the male rat. Männistö, et al. **Acta Endocrinol (Copenh)** 90(2):249-58, Feb 79

Effect of TRH and dopamine on cyclic AMP levels in enriched mammotroph and thyrotroph cells. Barnes GD, et al. **Mol Cell Endocrinol** 12(3):273-84, Dec 78

The brain as an endocrine organ. Guillemin R. **Neurosci Res Program Bull** 16 Suppl:1-25, Aug 78 (58 ref.)

Advances in endocrinology. Hardisty CA, et al. **Practitioner** 221(1324):499-503, Oct 78

[Alteration of TSH secretion in children with goitre after short-term treatment with potassium iodide (author's transl)] Ranke M, et al. **Dtsch Med Wochenschr** 104(4):132-4, 26 Jan 79 (Eng. Abstr.) **(Ger)**

[Daily variations in the secretion of several hormones in obesity] Epshtein EV. **Probl Endokrinol (Mosk)** 25(1):15-9, Jan-Feb 79 (Eng. Abstr.) **(Rus)**

[Biological properties of synthetic somatostatin] Iudaev NA, et al. **Probl Endokrinol (Mosk)** 25(1):75-9, Jan-Feb 79 (Eng. Abstr.) **(Rus)**

URINE

Immunoreactive 'TSH' in urinary concentrates of Graves' disease patients: a radioimmunoassay artefact. van Herle AJ, et al. **Eur J Clin Invest** 8(5):295-301, Oct 78

VASOPRESSINS

ADMINISTRATION & DOSAGE

Effect of vasopressin on myocardial reactive hyperaemia in the isolated fibrillating dog heart. Farsang C, et al. **Acta Med Acad Sci Hung** 34(3):169-81, 1977

Fighting fire with fire: systemic vs selective vasoconstrictive therapy. Conn HO. **JAMA** 241(7):729-30, 16 Feb 79

Simultaneous infusion of vasopressin into two arteries. Control of massive colonic hemorrhage. Kubicka RA, et al. **JAMA** 241(7):725-6, 16 Feb 79

[Treatment of bleeding oesophageal varices in cirrhotic patients with pitressin. A controlled study (author's transl)] Clanet J, et al. **Acta Gastroenterol Belg** 41(9-10):539-43, Sep-Oct 78 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Nitroprusside prevents adverse hemodynamic effects of vasopressin. Gelman S, et al. **Arch Surg** 113(12):1465-71, Dec 78

ANALYSIS

Light- and electron microscopic localization of vasopressin or a vasopressin-like substance in the neurons of the rat suprachiasmatic nucleus. Krisch B. **Cell Tissue Res** 194(2):361-5, 20 Nov 78

ANTAGONISTS & INHIBITORS

Hypophysectomy and saralasin on mesenteric vasoconstrictor response to vasopressin. Pang CC, et al. **Am J Physiol** 236(2):H200-5, Feb 79

Structural requirements for activation of vasopressin-sensitive adenylate cyclase, hormone binding, and antidiuretic actions: effects of highly potent analogues and competitive inhibitors. Butlen D, et al. **Mol Pharmacol** 14(6):1006-17, Nov 78

BLOOD

Role of vasopressin in blood pressure control of spontaneously hypertensive rats. Möhring J, et al. **Clin Sci Mol Med** 55 Suppl 4:246s-250s, Dec 78

The role of vasopressin in blood pressure control and in experimental hypertension. Pullan PT, et al. **Clin Sci Mol Med** 55 Suppl 4:251s-254s, Dec 78

Vasoactive peptides in experimental renal hypertension. Johnston CI, et al. **Klin Wochenschr** 56 Suppl 1:81-5, 1978

Centrally mediated hydration effects of angiotensin in various states of sodium balance. Kapsha JM, et al. **Pharmacology** 18(1):25-33, 1979

[Vasopressin secretion in carotid artery angiography] Felsl I, et al. **MMW** 121(3):95-6, 19 Jan 79 **(Ger)**

DEFICIENCY

[Septo-optic dysplasia with antidiuretic hormone deficiency and central adrenocortical insufficiency. Three cases report in infants (author's transl)] Benoit Gonin JJ, et al. **Nouv Presse Med** 7(37):3327-31, 28 Oct 78 (Eng. Abstr.) **(Fre)**

DIAGNOSTIC USE

Vasopressin-resistant nephrogenic diabetes insipidus. A result of amphotericin B therapy. Barbour GL, et al. **Arch Intern Med** 139(1):86-8, Jan 79

Contribution of peripheral pooling to the renal response to immersion in the dog. Zucker IH, et al. **J Appl Physiol** 45(5):786-90, Nov 78

[Results of ACTH, vasopressin and insulin tolerance tests in obese subjects] Eisner M, et al. **Ann Acad Med Stetin** 24:413-23, 1978 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Role of vasopressin in blood pressure control of spontaneously hypertensive rats. Möhring J, et al. **Clin Sci Mol Med** 55 Suppl 4:246s-250s, Dec 78

METABOLISM

The ADH-reserve capacity in Brattleboro rats. Laczi F, et al. **Acta Med Acad Sci Hung** 35(2):173–9, 1978

Biochemical markers in bronchogenic carcinoma. Coombes RC, et al. **Br J Dis Chest** 72(4):263–87, Oct 78 (83 ref.)

The neurohypophysial vasopressin content as influenced by modified cholinergic or adrenergic transmission during long-term dehydration in the white rat. Guzek JW, et al. **Endokrinologie** 72(2):195–204, May 78

Differential effects of colchicine on transport in the oxytocin- and vasopressin-containing neurones of the hypothalamo-neurohypophysial system in the rat [proceedings] Parish DC, et al. **J Endocrinol** 79(2):24P–25P, Nov 78

Photoaffinity labeling of the antidiuretic hormone receptor. Goodman DB, et al. **J Membr Biol** 40 Spec No:323–9, 1978

Central cardiovascular and antidiuretic action of adrenergic drugs. Hoffman WE. **Neuropharmacology** 18(1):7–12, Jan 79

PHARMACODYNAMICS

Effect of vasopressin on myocardial reactive hyperaemia in the isolated fibrillating dog heart. Farsang C, et al. **Acta Med Acad Sci Hung** 34(3):169–81, 1977

Renal excretion of prostaglandins E2 and F2alpha in diabetes insipidus rats. Dunn MJ, et al. **Am J Physiol** 235(6):E624–7, Dec 78

Hypertension in dogs during antidiuretic hormone and hypotonic saline infusion. Manning RD Jr, et al. **Am J Physiol** 236(2):H314–22, Feb 79

Hypophysectomy and saralasin on mesenteric vasoconstrictor response to vasopressin. Pang CC, et al. **Am J Physiol** 236(2):H200–5, Feb 79

Inhibition of toad urinary bladder sodium transport by carbamylcholine: possible role of cyclic GMP. Sahib MK, et al. **Am J Physiol** 235(6):F586–91, Dec 78

Inactivation in vivo of mouse liver glycogen synthase by phenylephrine, vasopressin and glucagon: effect of anaesthesia [proceedings] van de Werve G. **Arch Int Physiol Biochim** 86(4):961–2, Oct 78

Activation of pyruvate dehydrogenase in the perfused rat liver by vasopressin. Hems DA, et al. **Biochem J** 176(2):627–9, 15 Nov 78

The nature of the pressor response to carotid artery occlusion in the hexamethonium-treated rat. Chahl LA, et al. **Clin Exp Pharmacol Physiol** 5(5):495–502, Sep–Oct 78

Modulation of memory processes by neuropeptides of hypothalamic-neurohypophyseal origin. pp. 139–49. de Wied D, et al.
In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978. (56 ref.)

Role of monoamines in mediating the action of hormones on learning and memory. pp. 249–68. Telegdy G, et al.
In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978.

Interactions of locally produced humoral substances in regulation of the microcirculation. pp. 98–106. Altura BM, et al.
In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977. (33 ref.)

Renal tubular effects of 1,25-dihydroxy vitamin D3: interactions with vasopressin and parathyroid hormone in the vitamin D-depleted rat. Puschett JB, et al. **J Lab Clin Med** 92(6):895–903, Dec 78

Towards a molecular definition of mechanisms and pathways of membrane transport. de Sousa RC. **J Membr Biol** 40 Spec No:347–54, 1978 (38 ref.)

Vasopressin-like effects of psychotropic drugs in amphibian epithelia. Grosso A, et al. **J Membr Biol** 40 Spec No:305–21, 1978 (54 ref.)

Epithelial cell electrolytes in relation to transepithelial sodium transport across toad urinary bladder. Macknight AD, et al. **J Membr Biol** 40 Spec No:247–60, 1978

Effect of the polyene antibiotic filipin and the calcium ionophore A23187 on sodium transport in isolated frog skin (Rana temporaria). Nielsen R. **J Membr Biol** 40 Spec No:331–45, 1978

Physiology of transport regulation. Ussing HH. **J Membr Biol** 40 Spec No:5–14, 1978

Membrane structural specialization of the toad urinary bladder revealed by the freeze-fracture technique. III. Location, structure and vasopressin dependence of intramembrane particle arrays. Wade JB. **J Membr Biol** 40 Spec No:281–96, 1978

Simultaneous infusion of vasopressin into two arteries. Control of massive colonic hemorrhage. Kubicka RA, et al. **JAMA** 241(7):725–6, 16 Feb 79

Intramembranous particle aggregation in toad urinary bladder after vasopressin stimulation. Dratwa M, et al. **Lab Invest** 40(1):46–54, Jan 79

Structural requirements for activation of vasopressin-sensitive adenylate cyclase, hormone binding, and antidiuretic actions: effects of highly potent analogues and competitive inhibitors. Butlen D, et al. **Mol Pharmacol** 14(6):1006–17, Nov 78

Effect of vasopressin-like peptides on consumption of ethanol by the rat. Finkelberg F, et al. **Pharmacol Biochem Behav** 9(4):453–8, Oct 78

Coordinate control of corticotropin, beta-lipotropin, and beta-endorphin release in mouse pituitary cell cultures. Allen RG, et al. **Proc Natl Acad Sci USA** 75(10):4972–6, Oct 78

Synthetic fibrinolytic agents. Davidson JF, et al. **Prog Cardiovasc Dis** 21(5):375–96, Mar–Apr 79 (194 ref.)

The effects of antidiuretic hormone on urine flow and composition in the chronically-cannulated ovine fetus. Lingwood B, et al. **Q J Exp Physiol** 63(4):315–30, Oct 78

[Diabetes insipidus and exogenous antidiuretic hormone activity modifications by lithium in the rat] Giovannangeli M, et al. **C R Soc Biol (Paris)** 172(3):505–11, 1978 (Eng. Abstr.) **(Fre)**

[The role of microtubules on the action of vasopressin in the toad urinary bladder (author's transl)] Yuasa S. **Nippon Jinzo Gakkai Shi** 20(10):1075–86, Oct 78 (Eng. Abstr.) **(Jpn)**

[Hormonal regulation of the heart in aging] Frol'kis VV, et al. **Kardiologiia** 18(12):24–30, Dec 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Evaluation of a 'memory deficit' in vasopressin-deficient rats. Bailey WH, et al. **Brain Res** 162(1):174–8, 16 Feb 79

Modulation of memory processes by neuropeptides of hypothalamic-neurohypophyseal origin. pp. 139–49. de Wied D, et al.
In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978. (56 ref.)

Neurocirculatory control of sodium and water excretion. pp. 191–203. Linden RJ.
In: Dickinson CJ, Marks J, ed. Developments in cardiovascular medicine. Lancaster, Eng., MTP Press, 1978. WG 100.3 D489 1978.

Role of prostaglandin E (PGE) in the modulation of the action of vasopressin on water flow in the urinary bladder of the toad and mammalian kidney. Orloff J, et al. **J Membr Biol** 40 Spec No:297–304, 1978 (25 ref.)

An electrophysiological study of septal input to oxytocin and vasopressin neurones in the supraoptic nucleus of the rat [proceedings] Ellendorff F, et al. **J Physiol (Lond)** 284:124P, Nov 78

Vasoactive peptides in experimental renal hypertension. Johnston CI, et al. **Klin Wochenschr** 56 Suppl 1:81–5, 1978

Neurohypophyseal vasopressor principle: vasopressor hormone as well as antidiuretic hormone? Möhring J. **Klin Wochenschr** 56 Suppl 1:71–9, 1978

The syndromes of primary hormone resistance. Verhoeven GF, et al. **Metabolism** 28(3):253–89, Mar 79 (300 ref.)

Endocrinologic aspects of failure to thrive. Abrams CA. **Pediatr Ann** 7(11):760–6, Nov 78

SECRETION

Inhibition of thirst and apparent ADH release by intracerebroventricular ethacrynic acid. Rundgren M, et al. **Acta Physiol Scand** 105(1):123–5, Jan 79

Vasopressin release from incubated in situ posterior pituitary lobe after intraventricular injection of carbachol or atropine. Sobczak Z. **Endokrinologie** 72(2):205–13, May 78

Myxedema coma and inappropriate antidiuretic hormone secretion after deep neck irradiation: clinical implications and report of a case. Formeister JF, et al. **J Surg Oncol** 10(6):493–9, 1978

On the role of angiotensin in the cerebellum. Thomas CB, et al. **Proc Soc Exp Biol Med** 160(2):278–80, Feb 79

Hypothalamic hypernatremia due to volume--dependent ADH release, and its treatment with carbamazepine and clofibrate. Kimura T, et al. **Tohoku J Exp Med** 127(2):101–11, Feb 79

[The neurophysins (author's transl)] Legros JJ. **Ann Endocrinol (Paris)** 39(4):319–39, Jul–Aug 78 (Eng. Abstr.) **(Fre)**

[Vasopressin secretion in carotid artery angiography] Felsl I, et al. **MMW** 121(3):95–6, 19 Jan 79 **(Ger)**

[Symposium on edema. (2) Clinics of edema. V) A role of endocrinological factors in edema of unknown etiology with

special reference to idiopathic edema (author's transl)] Shimamoto K, et al. **Nippon Naika Gakkai Zasshi** 67(11):1354–8, 10 Nov 78 **(Jpn)**

[Syndrome of inappropriate secretion of antidiuretic hormone treated with lithium carbonate] Marchiori PE, et al. **Rev Hosp Clin Fac Med Sao Paulo** 33(5):248–53, Oct 78 (Eng. Abstr.) **(Por)**

STANDARDS

[The use of Ornipressin in dental local anesthesia] Schottke C, et al. **Stomatol DDR** 28(9):644–8, Sep 78 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Craniopharyngioma in childhood: the nature and management of early postoperative fluid and electrolyte disturbance. Chapman SJ, et al. **Dev Med Child Neurol** 20(5):598–604, Oct 78

Optic nerve hypoplasia with diabetes insipidus. Sheridan SJ, et al. **j Pediatr Opthalmol Strabismus** 15(2):82–4, Mar–Apr 78

Fighting fire with fire: systemic vs selective vasoconstrictive therapy. Conn HO. **JAMA** 241(7):729–30, 16 Feb 79

Simultaneous infusion of vasopressin into two arteries. Control of massive colonic hemorrhage. Kubicka RA, et al. **JAMA** 241(7):725–6, 16 Feb 79

Good memories or mere sieves? [editorial] **Lancet** 1(8113):418–9, 24 Feb 79

[Treatment of bleeding oesophageal varices in cirrhotic patients with pitressin. A controlled study (author's transl)] Clanet J, et al. **Acta Gastroenterol Belg** 41(9–10):539–43, Sep–Oct 78 (Eng. Abstr.) **(Fre)**

[Septo-optic dysplasia with antidiuretic hormone deficiency and central adrenocortical insufficiency. Three cases report in infants (author's transl)] Benoit Gonin JJ, et al. **Nouv Presse Med** 7(37):3327–31, 28 Oct 78 (Eng. Abstr.) **(Fre)**

[Treatment of bleeding esophageal varices] **Minerva Dietol Gastroenterol** 24(1):77–8, Jan–Mar 78 **(Ita)**

URINE

The ADH-reserve capacity in Brattleboro rats. Laczi F, et al. **Acta Med Acad Sci Hung** 35(2):173–9, 1978

The effect of intravenous hypertonic saline infusion on renal function and vasopressin excretion in sheep. Yesberg NE, et al. **Q J Exp Physiol** 63(4):331–9, Oct 78

VASOTOCIN

PHARMACODYNAMICS

Modulation of memory processes by neuropeptides of hypothalamic–neurohypophyseal origin. pp. 139–49. de Wied D, et al.
In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978. (56 ref.)

Effect of several androgens, cyproterone acetate or estrogen–progesterone on the prolactin-releasing activity of arginine vasotocin in castrated male rats. Vaughan MK, et al. **Mol Cell Endocrinol** 12(3):309–18, Dec 78

PHYSIOLOGY

Modulation of memory processes by neuropeptides of hypothalamic–neurohypophyseal origin. pp. 139–49. de Wied D, et al.
In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978. (56 ref.)

LYSINE VASOPRESSIN

(Study of the hypothalamo-pituitary adrenal function in 16 patients after surgery for pituitary tumor). Laurent MF, et al. Ann Endocrinol (Paris) 39(4); 267-79, Jul-Aug 78 (Fre)

Effect of vasopressin on central and splanchnic hemodynamics in awake man. Erwald R, et al. Acta Chir Scand 144(6):347-58, 1978

The influence of vasopressin on the regional uptake of :3H: orotic acid by rat brain. Landgraf R, et al. Acta Biol Med Ger 37(4):655-8, 1978

DESMOPRESSIN

(Clinical application of 1-deamino-8-D-arginine vasopressin to mild hemophilia A). Kobayashi I, et al Rinsho Ketsueki 19(12):1614-21, Dec 78 (Jpn)

Ten-year experience with DDAVP in treatment of diabetes insipidus. Marek J, et al. Endokrinologie 72(2):188-94, May 78

Desmopressin in the management of nocturnal enuresis in children: a double-blind study. Birkasovaa M, et al. Pediatrics 62(6):970-4, Dec 78

Enuresis: focus on a challenging problem in primary care :letter: Starfield B. Pediatrics 62(6):1036-7, Dec 78

IV. Related Topics

CYCLOFENIL

ADVERSE EFFECTS

[Incidence of a positive direct antiglobuline (IgG) test in women on cyclofenil (letter) (author's transl)] Micouin C, et al. **Nouv Presse Med** 7(43):3938, 2 Dec 78 (Eng. Abstr.) **(Fre)**

HYPOPHYSECTOMY

In vitro effects of growth hormone on protein synthesis and amino acid transport in the rat diaphragm after acute hypophysectomy. Albertsson-Wirkland K, et al. **Acta Physiol Scand** 105(2):215–21, Feb 79

The effects of 5alpha-reduced androgens on maintenance and regeneration of prostate glands and seminal vesicles in castrated and hypophysectomized rats. Ahmad N, et al. **Anat Rec** 192(4):543–54, Dec 78

Plasma lidocaine concentrations following subcutaneous or submucosal epinephrine-lidocaine injection. Stoelting RK. **Anesth Analg (Cleve)** 57(6):724–6, Nov-Dec 78

The effects of hypophysectomy on the uptake and distribution of 3H-dopamine in the mouse adrenal medulla: an autoradiographic study. Hirano T, et al. **Arch Histol Jpn** 41(5):401–10, Nov 78

Translational control of hepatic alpha2u globulin synthesis by growth hormone. Kurtz DT, et al. **Cell** 15(3):743–50, Nov 78

Plasma noradrenaline and adrenaline measured by isotope-derivative assay. A review with special reference to diabetes mellitus. Christensen NJ. **Dan Med Bull** 26(1):17–36, Feb 79 (200 ref.)

Effects of hypophysectomy on vitellogenesis in the elasmobranch Scyliorhinus canicula L. Craik JC. **Gen Comp Endocrinol** 36(1):63–7, Sep 78

Hypophysectomy in the treatment of pain from metastatic carcinoma. Rutledge BJ. **J Okla State Med Assoc** 72(2):37–40, Feb 79

Complete remission of acromegaly with medical treatment. Spark RF, et al. **JAMA** 241(6):573–5, 9 Feb 79

Insulin and growth hormone: regulators of growth with particular reference to muscle. Cheek DB, et al. **Kidney Int** 14(4):317–22, Oct 78 (41 ref.)

Homocysteic acid: an examination of its possible growth hormone-like activity. Chrzanowska BL, et al. **Metabolism** 28(1):80–4, Jan 79

Source of ACTH in Cushing's disease [letter] Wahl TO, et al. **N Engl J Med** 300(12):679, 22 Mar 79

Automatic measurement of drinking in rats: effects of hypophysectomy. Kuribara H, et al. **Pharmacol Biochem Behav** 9(5):697–702, Nov 78

Control of parturition in subhuman primates. Challis JR, et al. **Semin Perinatol** 2(3):247–60, Jul 78 (66 ref.)

ADVERSE EFFECTS

Restoration of male fertility five years after total hypophysectomy. Schroffner WG. **Hawaii Med J** 37(11):331–4, Nov 78

[Changes in the hypothalamo-hyophyseal neurosceretory system of mammals following pituitary stalk transection and hypophysectomy] Ugriumov MV. **Arkh Anat Gistol Embriol** 75(12):73–84, Dec 78 (81 ref.) (Eng. Abstr.) **(Rus)**

METHODS

Transsphenoidal hypophysectomy--pituitary microneurosurgery. Pelofsky S. **J Okla State Med Assoc** 72(2):41–2, Feb 79

[Chemical hypophysectomy for intractable cancer pain by Moricca--1. Fundamental basis and method of the transnasal puncture of the hypophysis (author's transl)] Miyazaki H, et al. **Masui** 27(13):1606–12, Dec 78 (Eng. Abstr.) **(Jpn)**

[Chemical hypophysectomy for the intractable cancer pain by Moricca -2. The results and the mechanism of pain relief (author's transl)] Miyazaki H, et al. **Masui** 28(1):77–82, Jan 79 (Eng. Abstr.) **(Jpn)**

LACTATION

Aspartate carbamoyltransferase activity in rat liver at different stages of its development. Tarnawski R, et al. **Acta Biol Med Ger** 37(4):553–7, 1978

Development of the IgA system in the mammary gland. Lamm ME, et al. **Adv Exp Med Biol** 107:35–42, 1978

Immunologic aspects of human colostrum and milk: interaction with the intestinal immunity of the neonate. Ogra SS, et al. **Adv Exp Med Biol** 107:95–107, 1978

Uniformity of human milk. Hall B. **Am J Clin Nutr** 32(2):304–12, Feb 79

Effects of varying maternal dietary fatty acids in lactating women and their infants. Mellies MJ, et al. **Am J Clin Nutr** 32(2):299–303, Feb 79

The milk ejection of the rat, as a stimulus and a response to the litter. Drewett RF, et al. **Anim Behav** 26(4):982–7, Nov 78

Food intake and body weight regulation during the reproductive cycle of the golden hamster (Mesocricetus auratus). Fleming AS. **Behav Biol** 24(3):291–306, Nov 78

The interaction of behavior and reproductive cycles in patas monkeys. Rowell TE, et al. **Behav Biol** 24(2):141–67, Oct 78

Utlization of D-3-hydroxy[3-14C]butyrate for lipogenesis in vivo in lactating rat mammary gland. Robinson AM, et al. **Biochem J** 176(2):635–8, 15 Nov 78

Glucocorticoid modulation of prolactin receptors on mammary cells of lactating mice. Sakai S, et al. **Biochim Biophys Acta** 582(1):79–88, 4 Jan 79

Role of spermidine in casein gene expression in the rabbit. Houdebine LM, et al. **Biochimie** 60(8):735–41, 1978

Post-transcriptional stimulation of casein synthesis by thyroid hormone. Houdebine LM, et al. **Biochimie** 60(8):809–12, 1978

Data sheets and lactation [letter] Lewis PJ, et al. **Br Med J** 2(6153):1715, 16 Dec 78

The effects of ketosis in dairy cows on body weight, milk yield and milk composition. King JO. **Br Vet J** 135(1):40–3, Jan-Feb 79

The blood composition of cows in commercial dairy herds and its relationships with season and lactation. Rowlands GJ, et al. **Br Vet J** 135(1):64–74, Jan-Feb 79

Oxytocin binding sites in lactating rabbit mammary gland. Markle HV, et al. **Can J Biochem** 56(10):968–76, Oct 78

Lifespan carcinogenicity studies with hexachlorophene in mice and rats. Rudali G, et al. **Cancer Lett** 5(6):325–32, Dec 78

The effect of lactation on thyroid activity of women. Strbák V, et al. **Endokrinologie** 72(2):183–7, May 78

Guanase in reticulocytes and other rat tissues. Hindman HB, et al. **Enzyme** 23(6):395–403, 1978

Purification and physicochemical properties of fatty acid synthetase and acetyl-CoA carboxylase from lactating rabbit mammary gland. Hardie DG, et al. **Eur J Biochem** 92(1):25–34, 1 Dec 78

Absent pyruvate inhibition of pyruvate dehydrogenase kinase in lactating rat mammary gland following various treatments. Removal of circulating insulin and prolactin and exposure to protein synthesis inhibitors. Baxter MA, et al. **FEBS Lett** 97(1):27–31, 1 Jan 79

The transfer coefficient of 137Cs into cows milk as related to the level of milk production. Lengemann FW, et al. **Health Phys** 34(6):720–2, Jun 78

Polychlorinated biphenyls. **IARC Monogr Eval Carcinog Risk Chem Hum** 18:41–103, Oct 78 (235 ref.)

Studies on the fatty acid synthetase complex from lactating buffalo mammary glands. Bhatia IS, et al. **Indian J Biochem Biophys** 15(4):311–5, Aug 78

Effect of energy source prior to parturition and during lactation on tissue lipid, liver glycogen and plasma levels of some metabolites in the newborn pig. Boyd RD, et al. **J Anim Sci** 47(4):874–82, Oct 78

Effect of energy source prior to parturition and during lactation on piglet survival and growth and on milk lipids. Boyd RD, et al. **J Anim Sci** 47(4):883–92, Oct 78

Luteolysis, growth hormone, glucocorticoids, prolactin and

milk production in lactating dairy cows given prostaglandin F2alpha. Renegar RH, et al. **J Anim Sci** 47(2):532–7, Aug 78

Transfer of milk prolactin to the plasma of neonatal rats by intestinal absorption. Whitworth NS, et al. **J Endocrinol** 79(2):191–9, Nov 78

Parathion toxicity in perinatal rats born to spontaneously hypertensive dams. Deskin R, et al. **J Environ Pathol Toxicol** 2(2):291–300, Nov–Dec 78

Lactation for delaying re-establishment of menstruation and its possible role in family planning. Rathee S, et al. **J Indian Med Assoc** 71(2):30–3, 16 Jul 78

A direct calorimeter for the measurement of heat loss from sows [proceedings] Close WH, et al. **J Physiol (Lond)** 284:11P–12P, Nov 78

Production of oestradiol-17beta by the goat mammary gland during late pregnancy in relation to lactogenesis [proceedings] Walker FM, et al. **J Physiol (Lond)** 284:71P–72P, Nov 78

Childrearing, culture and mental health: exploring an ethological-evolutionary perspective in child psychiatry and preventive mental health with particular reference to two contrasting approaches to early childrearing. Cook PS. **Med J Aust** 2 Suppl:3–13, 12 Aug 78

Dietary supplements for dogs. **Mod Vet Pract** 59(10):792–3, Oct 78

Experiences of a veterinary consultant to electric companies. Amstutz HE. **Mod Vet Pract** 59(10):767–9, Oct 78

Evidence for a role of endorphins in stress- and suckling-induced prolactin release in the rat. Ferland L, et al. **Mol Cell Endocrinol** 12(3):267–72, Dec 78

Prolactin receptor on dissociated mammary epithelial cells at different stages of development. Sakai S, et al. **Mol Cell Endocrinol** 12(3):285–98, Dec 78

Concentration and metabolism of serotonin in selected brain areas during pregnancy and lactation in the rat. Rowland DL, et al. **Neuroendocrinology** 27(1–2):25–31, 1978

Observations on the function of the dopaminergic nerves innervating the pituitary gland. Holzbauer M, et al. **Neuroscience** 3(12):1251–62, 1978

Carbamazepine levels in pregnancy and lactation. Niebyl JR, et al. **Obstet Gynecol** 53(1):139–40, Jan 79

Attack directed by groups of castrated male mice towards lactating or non-lactating intruders: a urine-dependent phenomenon? Haug M, et al. **Physiol Behav** 21(4):549–52, Oct 78

Thermal control of mother-young contact in rats. Leon M, et al. **Physiol Behav** 21(5):79O–811, Nov 78

Serum prolactin levels and vaginal cyclicity in concaveated and lactating female rats. Marinari KT, et al. **Physiol Behav** 21(4):525–8, Oct 78

Temporal parameters of responsiveness to maternal pheromone in Acomys cahirinus. Porter RH, et al. **Physiol Behav** 21(4):563–6, Oct 78

Differential expression of poly(A)-adjacent sequences of mammary tumor virus RNA in murine mammary cells. Dudley JP, et al. **Proc Natl Acad Sci USA** 75(12):5797–801, Dec 78

alpha-Lactalbumin mRNA in 4-day lactating rat mammary gland. Qasba PK, et al. **Proc Natl Acad Sci USA** 75(10):4739–43, Oct 78

Lactose and major milk proteins are present in secretory vesicle-rich fractions from lactating mammary gland. Sasaki M, et al. **Proc Natl Acad Sci USA** 75(10):5020–4, Oct 78

Differences in hepatic extraction of lactate in lactating and non-lactating dairy cows [proceedings] Baird GD, et al. **Proc Nutr Soc** 37(3):94A, Dec 78

Hormonal regulation of the partition of energy between milk and body tissue in adult cattle. Bines JA, et al. **Proc Nutr Soc** 37(3):281–7, Dec 78 (39 ref.)

Glucose and urea kinetics in cows in early lactation [proceedings] Bruckental I, et al. **Proc Nutr Soc** 37(3):107A, Dec 78

Differences in the effect of glucose infusion on insulin and glucose production in lactating and non-lactating dairy cows [proceedings] Lomax MA, et al. **Proc Nutr Soc** 37(3):95A, Dec 78

Acetate production by sheep hind-limb muscle [proceedings] Pethick DW, et al. **Proc Nutr Soc** 37(3):101A, Dec 78

An effect of physiological state on digestion in the ewe [proceedings] Thompson JL, et al. **Proc Nutr Soc** 37(3):71A, Dec 78

Mammary arterial and venous concentrations of serum insulin in lactating dairy cows. Beck NF, et al. **Proc Soc Exp Biol Med** 159(3):394–6, Dec 78

Method for determining oxytocin concentrations in unextracted sera; characterization in lactating cattle. Gorewit RC. **Proc Soc Exp Biol Med** 160(1):80–7, Jan 79

Human lysozyme (origin and distribution in health and disease). Reitamo S, et al. **Ric Clin Lab** 8(4):211–31, Oct–Dec 78 (150 ref.)

Difference between postpartum and nutritional amenorrhea [letter] Frisch RE, et al. **Science** 203(4383):921–3, 2 Mar 79

Warble fly: the life cycle, distribution, economic losses and control. Andrews AH. **Vet Rec** 103(16):348–53, 14 Oct 78 (52 ref.)

Hormonal factors in lipogenesis in mammary gland. Mayer RJ. **Vitam Horm** 36:101–63, 1978 (172 ref.)

In vivo incorporation of 2-14C-acetate, 1-14C-butyrate and U-14C-glucose into milk constituents by a lactating buffalo. Bhatia IS, et al. **Zentralbl Veterinaermed [A]** 25(9):739–50, Nov 78

[Changes in mammary tissue lipid metabolism in the goats during the first 2 months of lactation] Chilliard Y, et al. **C R Acad Sci [D] (Paris)** 287(9):871–4, 16 Oct 78 (Eng. Abstr.) **(Fre)**

[Causes and therapy of iron deficiency] Moeschlin S. **Haematol Bluttransfus** 21:111–5, 1978 **(Ger)**

[Epidemiology of breast cancer] Margreiter R. **Wien Med Wochenschr** 128(24):747–52, 30 Dec 78 (87 ref.) **(Ger)**

[Galactogenic transmission of third larvae of Ancylostoma caninum ercolani 1859 (ancylostomidae) in paratenic hosts] Jeschke BU, et al. **Zentralbl Veterinaermed [B]** 25(8):623–40, Oct 78 (Eng. Abstr.) **(Ger)**

[Dynamics of blood circulation and oxygen consumption in mammary glands] Grachev II, et al. **Fiziol Zh SSSR** 64(11):1619–25, Nov 78 (Eng. Abstr.) **(Rus)**

[Functional system of lactation] Grachev II, et al. **Nerv Sist** 18:78–88, 1978 **(Rus)**

[Dependence of biochemical indices in cows on the duration of hypokinesia] Zusmanovskiĭ AG, et al. **Veterinariia** (12):87–9, Dec 78 **(Rus)**

[Catecholamine excretion in parturients at the early puerperal period with different degree of lactation] Kolodina LN, et al. **Vopr Okhr Materin Det** 23(12):59–62, Dec 78 (Eng. Abstr.) **(Rus)**

[Changes in the activity of dehydrogenase of the phentosephosphate cycle in the red cells of parturients during lactation and breast feeding of the newborn] Uroshleva LA, et al. **Vopr Okhr Materin Det** 23(11):80, Nov 78 **(Rus)**

[Physiology of lactation and weaning. II] Brundin J. **Katilolehti** 83(11):418–21, Nov 78 **(Swe)**

DRUG EFFECTS

Influence of mineral intake and use of oral contraceptives before pregnancy on the mineral content of human colostrum and of more mature milk. Kirksey A, et al. **Am J Clin Nutr** 32(1):30–9, Jan 79

Effects of colchicine on ultrastructure of the lactating mammary cell: membrane involvement and stress on the Golgi apparatus. Knudson CM, et al. **Cell Tissue Res** 195(1):169–81, 14 Dec 78

Prolactin secretion inhibition by a new 8alpha-amino-ergoline, CH 29-171. Flückiger E, et al. **Experientia** 34(10):1330–2, 15 Oct 78

Effects of cannabinoids on reproduction and development. Bloch E, et al. **Vitam Horm** 36:203–58, 1978 (236 ref.)

[Early and late inhibition of lactation using bromocriptine. A comparative study (author's transl)] Chef R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(5):1003–12, May-Jun 78 (Eng. Abstr.) **(Fre)**

[Inhibition of lactation by bromocriptine and subsequent fertility (letter)] Morin P, et al. **Nouv Presse Med** 7(41):3779, 25 Nov 78 **(Fre)**

[Inhibition of postpartal lactation with 2-bromo-alpha-ergocryptine] Gerstner G, et al. **Wien Med Wochenschr** 128(22):704–6, 1978 **(Ger)**

[Influence of drugs used in obstetrics on carbohydrate metabolism (author's transl)] Mitzkat HJ, et al. **Z Geburtshilfe Perinatol** 182(5):331–42, Oct 78 (140 ref.) (Eng. Abstr.) **(Ger)**

[Effect of adenohypophyseal hormones--prolactin and somatotropic--on milk secretion] Vladimirova AD. **Nerv Sist** 18:88–96, 1978 **(Rus)**

SOMATOMEDIN

ANALYSIS

Hyperbilirubinaemia and idiopathic hypopituitarism in the newborn period. Drop SL, et al. **Acta Paediatr Scand** 68(2):277–80, Mar 79

BIOSYNTHESIS

Mechanisms of glucocorticoid inhibition of growth. Baxter JD. **Kidney Int** 14(4):330–3, Oct 78 (30 ref.)

BLOOD

Plasma somatomedin activity in protein calorie malnutrition. Mohan PS, et al. **Arch Dis Child** 54(1):62–4, Jan 79

Low serum somatomedin activity in celiac disease. A misleading aspect in growth failure from asymptomatic celiac disease. Lecornu M; et al. **Helv Paediatr Acta** 33(6):509–16, Dec 78

Somatomedin and growth retardation in children with chronic renal insufficiency. Lewy JE, et al. **Kidney Int** 14(4):361–4, Oct 78 (29 ref.)

Homocysteic acid: an examination of its possible growth hormone-like activity. Chrzanowska BL, et al. **Metabolism** 28(1):80–4, Jan 79

[Somatomedin following administration of growth hormone in pituitary dwarfism] Marek J, et al. **Cesk Pediatr** 33(10):582–6, Oct 78 (Eng. Abstr.) **(Cze)**

METABOLISM

[Environment-dependent changes in melatonin and somatomedin B by Sweden–California transfer and back] Wetterberg L. **Lakartidningen** 76(4):205, 24 Jan 79 **(Swe)**

PHARMACODYNAMICS

Translational control of hepatic alpha2u globulin synthesis by growth hormone. Kurtz DT, et al. **Cell** 15(3):743–50, Nov 78

Hormonal regulation of bone formation. Raisz LG, et al. **Recent Prog Horm Res** 34:335–56, 1978 (46 ref.)

PHYSIOLOGY

Insulin and growth hormone: regulators of growth with particular reference to muscle. Cheek DB, et al. **Kidney Int** 14(4):317–22, Oct 78 (41 ref.)

Somatomedin and growth retardation in children with chronic renal insufficiency. Lewy JE, et al. **Kidney Int** 14(4):361–4, Oct 78 (29 ref.)

THYROID

I. *Physical and Functional Aspects*

THYROID FUNCTION TESTS

A critical analysis of some thyroid function tests. Reviczky A, et al. **Acta Med Acad Sci Hung** 34(3):129–37, 1977

Combined hypothalamic hypothyroidism and secondary adrenal insufficiency. Misdiagnosed as primary hypothyroidism. Farese RV, et al. **Arch Intern Med** 139(1):99–100, Jan 79

Pitfalls in the laboratory diagnosis of atypical hyperthyroidism. Hamburger JI. **Arch Intern Med** 139(1):96–8, Jan 79

Prednisone use in concurrent autoimmune diseases. Harati Y, et al. **Arch Neurol** 36(2):103–6, Feb 79

Intermittent ophthalmoplegia. Kelly WF, et al. **Br Med J** 2(6151):1534–5, 2 Dec 78

Sex steroids and thyroid function tests: the role of estrogen and progestogen. Miyamoto J. **Int J Gynaecol Obstet** 16(1):28–33, 1978

Tests of thyroid function. Ahuja MM, et al. **J Assoc Physicians India** 26(2):109–18, Feb 78

Radioimmunoassay (RIA) and other saturation assay techniques in clinical medicine. Hazra DK, et al. **J Assoc Physicians India** 26(2):95–101, Feb 78

Oral T.R.H. for evaluation of patients with impaired response to intravenous T.R.H. [letter] Staub JJ, et al. **Lancet** 1(8109):209–10, 27 Jan 79

Thyroid function tests 1978. Clifton-Bligh P. **Med J Aust** 2(8):375–8, 7 Oct 78

Screening for thyrometabolic disorders. Pain RW, et al. **Med J Aust** 1(1):33–6, 14 Jan 78

Triiodothyronine turnover studies in euthyroid patients with autonomous thyroid nodules. Bianchi R, et al. **Metabolism** 28(2):163–8, Feb 79

[Increased iodine pool in patients studied between 1969 and 1977 (author's transl) (letter)] Sanmarco JL, et al. **Nouv Presse Med** 7(44):4047, 9 Dec 78 (Eng. Abstr.) **(Fre)**

[Round-table discussion: surgery in hyperthyroidism] **Langenbecks Arch Chir** 347:157–8, Nov 78 **(Ger)**

[Hyperthyroidism: diagnosis (author's transl)] Horster FA. **Langenbecks Arch Chir** 347:125–30, Nov 78 (Eng. Abstr.) **(Ger)**

[Chromosomal changes following irradiation with small doses (author's transl)] Zsebök Z, et al. **ROEFO** 129(6):781–4, Dec 78 (Eng. Abstr.) **(Ger)**

[Hyperthyroidism and hypothyroidism in general practice. Diagnosis and therapy] Eickenbusch W. **ZFA (Stuttgart)** 55(3):132–43, 31 Jan 79 **(Ger)**

[Follow up studies of the antithyroid drug therapy for hyperthyroidism with special emphasis on the clinical usefulness of TRH and T3-suppression tests during treatment (author's transl)] Tamai H. **Fukuoka Igaku Zasshi** 69(11):486–94, Nov 78 (Eng. Abstr.) **(Jpn)**

[The effects of premedication on thyroid hormone T3, T4 and R.S.U. in man (author's transl)] Nishimura C, et al. **Masui** 27(13):1575–9, Dec 78 (Eng. Abstr.) **(Jpn)**

[Clinical value of the TRH stimulation test] Diez Jiménez L, et al. **Rev Clin Esp** 151(6):479–81, 31 Dec 78 **(Spa)**

[Thyroid function in healthy aged persons] Herrera Pombo JL, et al. **Rev Clin Esp** 151(5):363–5, 15 Dec 78 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

[Comparative studies of commercially available T4-RIA-kits (author's transl)] Schmidt HA, et al. **Nuklearmedizin** 17(6):270–2, Dec 78 (Eng. Abstr.) **(Ger)**

[Comparative studies of commercially available T4-RIA-Kits (author's transl)] Schmidt HA, et al. **Nuklearmedizin** 17(6):273–6, Dec 78 (Eng. Abstr.) **(Ger)**

METHODS

Simple, rapid thyroid function testing with 99mTc-pertechnetate thyroid uptake ratio and neck/thigh ratio. Schneider PB. **AJR** 132(2):249–53, Feb 79

The T4/TBG ratio and the investigation of thyroid function. Attwood EC, et al. **Clin Biochem** 11(5):218–21, Oct 78

[TRH test for efficient and rational thyroid diagnosis] Wenzel KW. **Dtsch Med Wochenschr** 104(7):229–34, 16 Feb 79 **(Ger)**

[Comparative studies of commercially available T4-RIA-kits (author's transl)] Schmidt HA, et al. **Nuklearmedizin** 17(6):270–2, Dec 78 (Eng. Abstr.) **(Ger)**

[Comparative studies of commercially available T4-RIA-Kits (author's transl)] Schmidt HA, et al. **Nuklearmedizin** 17(6):273–6, Dec 78 (Eng. Abstr.) **(Ger)**

[Thyroid gland function in glaucoma] Venger PL. **Vestn Oftalmol** (6):19–21, 1978 (Eng. Abstr.) **(Rus)**

THYROID GLAND

Absence of any change in thyroid function following acute myocardial infarction. Thomson JE, et al. **Am Heart J** 97(3):406–7, Mar 79

The incorporation of uridine triphosphate in bovine thyroid nuclei [proceedings] Voets R, et al. **Arch Int Physiol Biochim** 86(4):927–8, Oct 78

Thyroglossal cyst carcinoma. Case presentation and a review of normal thyroglossal cysts. Stone AR, et al. **Br J Clin Pract** 32(8):233–7, Aug 78

Presence of a hypocalcemic factor in the ultimobranchial gland of the snake. Uchiyama M, et al. **Gen Comp Endocrinol** 36(1):59–62, Sep 78

Strumal carcinoid of the ovary: histological, ultrastructural, and immunohistological studies with anti-human thyroglobulin. Ueda G, et al. **Gynecol Oncol** 6(5):411–9, Oct 78

ABNORMALITIES

Congenital hypopituitarism in female infants. Its association with hypoglycemia and hypothyroidism. Kauschansky A, et al. **Am J Dis Child** 133(2):165–9, Feb 79

[Oligosymptomatic manifestation of congenital hypothyroidism (author's transl)] Klabuschnigg A, et al. **Paediatr Paedol** 14(1):103–6, 1979 (Eng. Abstr.) **(Ger)**

ANALYSIS

The mucopolysaccharides of bovine thyroid [proceedings] Van Dessel G, et al. **Arch Int Physiol Biochim** 86(4):959–60, Oct 78

Fucosyl-containing gangliosides in bovine thyroid [proceedings] Van Dessel G, et al. **Arch Int Physiol Biochim** 86(4):892–4, Oct 78

Iodine-129 in man, cow and deer. Ballad RV, et al. **Health Phys** 34(6):691–6, Jun 78

Association of actin with thyroid lysosomes [proceedings] Dickson JG, et al. **J Endocrinol** 79(2):58P–59P, Nov 78

Immunohistochemical localization of thyroid hormone in rat thyroid gland. Wilson M, et al. **J Histochem Cytochem** 26(12):1121–4, Dec 78

Purification and characterization of a troponin C-like phosphodiesterase activator from bovine thyroid. Kobayashi

R, et al. **Metabolism** 28(2):169–82, Feb 79

[Effect of potassium iodide and perchlorate on the process of thyroid hormone secretion] Turakulov IaKh, et al. **Biull Eksp Biol Med** 86(12):653–5, Dec 78 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

[Thyroid gland reaction to experimental resection and complete removal of the pancreas] Poliak RI, et al. **Biull Eksp Biol Med** 86(12):665–8, Dec 78 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

[The blood vessels supplying the thymus and thyroid gland of Meriones unguiculatus (Milne Edwards 1867)] Stünkel K, et al. **Z Versuchstierkd** 20(6):310–20, 1978 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Histological observations on some of the endocrine glands in the ironfish, with special regard to the hypophysis. Chiba A, et al. **Arch Histol Jpn** 41(1):53–64, Feb 78

The binding of 125I-TSH to thyroid cell receptors previously deformed (in neonatal age) by gonadotropin treatment. Csaba G, et al. **Biol Neonate** 34(5–6):275–7, 1978

Light and electron microscopic observations of thyroid parafollicular cells of the opossum. Fortney JA. **Gen Comp Endocrinol** 36(1):119–32, Sep 78

DRUG EFFECTS

Effect of clomifene on thyroid function in normal men. Feldt-Rasmussen U, et al. **Acta Endocrinol (Copenh)** 90(1):43–51, Jan 79

Isolation of thyroglobulin messenger RNA from rats: increased yield in propylthiouracil-induced hyperplasia. Scherberg NH. **Biochem Biophys Res Commun** 85(4):1415–23, 29 Dec 78

Histological changes in thyroid of rat under the acute exposure of O-chloro-benzylidine malononitrile. Chowdhury AR, et al. **Experientia** 34(10):1327, 15 Oct 78

Sex steroids and thyroid function tests: the role of estrogen and progestogen. Miyamoto J. **Int J Gynaecol Obstet** 16(1):28–33, 1978

Comparative effects of aminotriazole on normal and acatalasemic mice. Feinstein RN, et al. **J Environ Pathol Toxicol** 1(6):779–89, Jul–Aug 78

Effect of linamarin on thiocyanate production and thyroid activity in rats. Barret MD, et al. **J Toxicol Environ Health** 4(5–6):735–40, Sep–Nov 78

Oral T.R.H. for evaluation of patients with impaired response to intravenous T.R.H. [letter] Staub JJ, et al. **Lancet** 1(8109):209–10, 27 Jan 79

[The thyroid gland and its regulation] Lamy F, et al. **C R Soc Biol (Paris)** 172(3):413–21, 1978 **(Fre)**

[Relevance of enzyme histochemistry of rat thyroid gland] Pataki A, et al. **Acta Histochem [Suppl] (Jena)** 14:159–65, 1975 (Eng. Abstr.) **(Ger)**

[The pill and endocrine diseases] Werner-Zodrow I, et al. **Gynaekol Rundsch** 18(3–4):246–52, 1978 **(Ger)**

[The effect of lipiodol on healthy thyroid tissue of the dog] Starzyk J, et al. **Radiol Diagn (Berl)** 19(6):753–6, Dec 78 **(Ger)**

[Thyroid gland function in patients with phasic affective disorders (cyclothymia) during lithium treatment] Bottermann P, et al. **Verh Dtsch Ges Inn Med** (84):1570–3, 1978 **(Ger)**

[Effect of potassium iodide and perchlorate on the process of thyroid hormone secretion] Turakulov IaKh, et al. **Biull Eksp Biol Med** 86(12):653–5, Dec 78 (Eng. Abstr.) **(Rus)**

[Effect of lithium ions on thyroidal (Na + K+)-ATPase activity in vitro] Ivić M, et al. **Acta Med Iugosl** 32(5):401–6, 1978 (Eng. Abstr.) **(Scr)**

EMBRYOLOGY

Do cells of the ammocoetes ductus hypobranchialis contribute to thyroid structure in metamorphosing lampreys? Pajor WJ. **Folia Biol (Krakow)** 26(4):305–9, 1978

ENZYMOLOGY

Adenosine interactions with thyroid adenylate cyclase. Wolff J, et al. **Arch Biochem Biophys** 191(1):161–8, Nov 78

Further studies on peroxidase activities in bovine thyroid tissue [proceedings] Hilderson HJ, et al. **Arch Int Physiol Biochim** 86(4):864–5, Oct 78

Do cells of the ammocoetes ductus hypobranchialis contribute to thyroid structure in metamorphosing lampreys? Pajor WJ. **Folia Biol (Krakow)** 26(4):305–9, 1978

Quantitative histochemical and stereological study of alkaline phosphatase in the rat thyroid gland. Bykov VL, et al. **Histochemistry** 58(1–2):129–34, 24 Nov 78

[Relevance of enzyme histochemistry of rat thyroid gland] Pataki A, et al. **Acta Histochem [Suppl] (Jena)** 14:159–65, 1975 (Eng. Abstr.) **(Ger)**

[Effect of lithium ions on thyroidal (Na + K+)-ATPase activity in vitro] Ivić M, et al. **Acta Med Iugosl** 32(5):401–6, 1978 (Eng. Abstr.) **(Scr)**

IMMUNOLOGY

Serum thyrotrophin and circulating thyroglobulin and thyroid microsomal antibodies in a Finnish population. Gordin A, et al. **Acta Endocrinol (Copenh)** 90(1):33–42, Jan 79

Leukocyte migration test for the study of immune reactivity in cases of Graves disease associated with infiltrative ophthalmopathy. Kálmán K, et al. **Acta Med Acad Sci Hung** 35(1):29–34, 1978

Thyrotoxicosis during pregnancy. Pekonen F, et al. **Ann Chir Gynaecol** 67(5):165–73, 1978 (100 ref.)

Humoral immune stimulation and antiepithelial antibodies in Yersinia infection. Gripenberg M, et al. **Arthritis Rheum** 21(8):904–8, Nov–Dec 78

131I treated hypothyroidism and thyroid antibody levels. Vejjajiva S, et al. **J Med Assoc Thai** 62(2):51–3, Feb 79

Thyroid autoantibodies in an Australian community. Barbato MP. **Med J Aust** 2(11):511–2, 18 Nov 78

Thyroid autoantibodies in the symptomless person [editorial] Whittingham S. **Med J Aust** 2(11):516–7, 18 Nov 78

Microbial adjuvant and autoimmunity. III. Histological studies of development of experimental autoimmune thyroiditis in mice immunized with syngeneic thyroid extract together with the capsular polysaccharide of Klebsiella pneumoniae. Yokochi T, et al. **Microbiol Immunol** 22(10):619–30, 1978

Delayed healing of mandibular fracture in idiopathic myxedema. Loftus MJ, et al. **Oral Surg** 47(3):233–7, Mar 79

Response to thyrotrophin-releasing hormone in atrial dysrhythmias. Symons C, et al. **Postgrad Med J** 54(636):658–62, Oct 78

[Main points in internistic and neurological differential diagnosis by general clinical methods. Paraneoplastic, immunological and endocrinologically caused muscle flaccidity] **Verh Dtsch Ges Inn Med** (84):888–97, 1978 **(Ger)**

[Autoimmunization symptoms in thyroid diseases] Węgier A, et al. **Pol Tyg Lek** 33(52):2011–3, 25 Dec 78 (30 ref.) **(Pol)**

INNERVATION

The binding of 125I-TSH to thyroid cell receptors previously deformed (in neonatal age) by gonadotropin treatment. Csaba G, et al. **Biol Neonate** 34(5–6):275–7, 1978

Cholinergic nerves in the thyroid gland. Amenta F, et al. **Cell Tissue Res** 195(2):367–70, 28 Dec 78

METABOLISM

Studies of the TSH radioreceptor assay. Beall GN, et al. **Acta Endocrinol (Copenh)** 90(2):217–26, Feb 79

Synaptosomal [125I]triiodothyronine after intravenous [125I]thyroxine. Dratman MB, et al. **Am J Physiol** 235(6):E638–47, Dec 78

Role of thyroid gland in oxygen toxicity. Galton VA. **Am J Physiol** 235(6):E628–33, Dec 78

Enzymatic glycosylation of an Asn-Ala-Thr-containing peptide from oligosaccharide-lipids (proceedings] Ronin C, et al. **Arch Int Physiol Biochim** 86(4):885–6, Oct 78

Isolation of thyroglobulin messenger RNA from rats: increased yield in propylthiouracil-induced hyperplasia. Scherberg NH. **Biochem Biophys Res Commun** 85(4):1415–23, 29 Dec 78

Cyclic AMP-binding proteins and protamine kinases in porcine thyroid cytosol. Tirard A, et al. **Biochim Biophys Acta** 537(2):485–94, 20 Dec 78

The binding of 125I-TSH to thyroid cell receptors previously deformed (in neonatal age) by gonadotropin treatment. Csaba G, et al. **Biol Neonate** 34(5–6):275–7, 1978

Cell-surface receptors in health and disease. Blecher M. **Clin Chem** 25(1):11–9, Jan 79

Tests of thyroid function. Ahuja MM, et al. **J Assoc Physicians India** 26(2):109–18, Feb 78

Synthesis of polypeptide chains of thyroglobulin. Burkhardt AE, et al. **J Biol Chem** 254(5):1476–83, 10 Mar 79

Effect of linamarin on thiocyanate production and thyroid activity in rats. Barret MD, et al. **J Toxicol Environ Health** 4(5–6):735–40, Sep–Nov 78

Effect of experimental chronic renal failure upon the synthesis of thyroid hormones in rats. Costa e Silva A, et al. **Nephron** 22(4–6):479–83, 1978

Microautoradiographic studies on the cellular localization of radiothallium. Som P, et al. **Nuklearmedizin** 17(6):266–9, Dec 78

[Influence of thyroid state on noise-induced cochlea damage (author's transl)] Berndt H, et al. **Arch Oto-rhinolaryngol** 221(3):183–7, 31 Oct 78 (Eng. Abstr.) **(Ger)**

[Daily cyclic changes in thyroid cAMP in chickens (Gallus domesticus)] Krebietke P. **Endokrinologie** 72(2):243–6, May 78 (Eng. Abstr.) **(Ger)**

[Behavior of the thyrotropin reserve in subjects with 'hot' thyroid areas] Vattimo A, et al. **Boll Soc Ital Biol Sper** 54(2):137–40, 30 Jan 78 **(Ita)**

[Thyroid gland reaction to experimental resection and complete removal of the pancreas] Poliak RI, et al. **Biull Eksp Biol Med** 86(12):665–8, Dec 78 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Congenital hypopituitarism in female infants. Its association with hypoglycemia and hypothyroidism. Kauschansky A, et al. **Am J Dis Child** 133(2):165–9, Feb 79

Oxalosis in hemodialysis patients: a pathologic study of 80 cases. Department of Pathology, Holy Name Hospital, Teaneck, NJ.. **Arch Pathol Lab Med** 103(2):58–62, Feb 79

Isolation of thyroglobulin messenger RNA from rats: increased yield in propylthiouracil-induced hyperplasia. Scherberg NH. **Biochem Biophys Res Commun** 85(4):1415–23, 29 Dec 78

The effect of sodium bromide ingestion on the goitrogenic action of ethylenethiourea in the male rat. Newsome WH, et al. **Bull Environ Contam Toxicol** 20(5):678–86, Nov 78

Carcinomatous pseudothyroiditis: a problem in differential diagnosis. Trokoudes KM, et al. **Can Med Assoc J** 119(8):896–8, 21 Oct 78

Histological changes in thyroid of rat under the acute exposure of O-chloro-benzylidine malononitrile. Chowdhury AR, et al. **Experientia** 34(10):1327, 15 Oct 78

The pathogenesis of the teratogenic effect of the antidiabetic drug 'tolbutamide': an experimental study. Milad M, et al. **J Egypt Public Health Assoc** 52(5):356–67, 1977

Genetics and pathology of hereditary adrenal hyperplasia in the rabbit: a model for congenital lipoid adrenal hyperplasia. Fox RR, et al. **J Hered** 69(4):251–4, Jul–Aug 78

Thyroid-autoantibody synthesis by Hashimoto thyroid lymphocytes [letter] McLachlan SM, et al. **Lancet** 1(8108):162–3, 20 Jan 79

Microbial adjuvant and autoimmunity. III. Histological studies of development of experimental autoimmune thyroiditis in mice immunized with syngeneic thyroid extract together with the capsular polysaccharide of Klebsiella pneumoniae. Yokochi T, et al. **Microbiol Immunol** 22(10):619–30, 1978

The subacute and chronic toxicity of SK&F 36914 and SK&F D-39162 in dogs. Payne BJ, et al. **Vet Pathol** 15 Suppl 5:9–12, Aug 78

Morphologic and morphometric studies on human C cells in disorders of calcium metabolism. Nadig J, et al. **Virchows Arch [Cell Pathol]** 29(3):151–65, 21 Dec 78

[Intraoperative biopsy in surgical pathology of the thyroid] Taşcă C. **Endocrinologie** 16(4):301–2, Oct–Dec 78 **(Fre)**

[The effect of lipiodol on healthy thyroid tissue of the dog] Starzyk J, et al. **Radiol Diagn (Berl)** 19(6):753–6, Dec 78 **(Ger)**

[Triennial cycle in the demonstration of secretion granules in thyroid gland C cells in children under the age of 12 months (author's transl)] Hostýn L. **Cas Lek Cesk** 117(44–45):1402–4, 1978 (Eng. Abstr.) **(Slo)**

PHYSIOLOGY

Thyroid and adrenomedullary reactions during sleep deprivation. Palmblad J, et al. **Acta Endocrinol (Copenh)** 90(2):233–9, Feb 79

A critical analysis of some thyroid function tests. Reviczky A, et al. **Acta Med Acad Sci Hung** 34(3):129–37, 1977

9th annual meeting of the European Thyroid Association. Abstracts. Berlin–4–8 September 1978. **Ann Endocrinol (Paris)** 39(5):1A–62A, 1978

Thyroid function in dolphins: radioimmunoassay measurement of thyroid hormones. Greenwood AG, et al. **Br Vet J** 135(1):96–102, Jan–Feb 79

The T4/TBG ratio and the investigation of thyroid function. Attwood EC, et al. **Clin Biochem** 11(5):218–21, Oct 78

Interdependence of symptoms and signs in hyperthyroidism and euthyroid state. Niewiadomski M, et al. **Comput Biol Med** 8(4):309–18, 1978

Abnormal growth hormone response in obesity with normal carbohydrate tolerance and normal thyroid function. Ratzmann KP, et al. **Endokrinologie** 72(2):149–54, May 78

The effect of lactation on thyroid activity of women. Strbák V, et al. **Endokrinologie** 72(2):183–7, May 78

A comparative study of the annual cycles in sexual and thyroid function in male Peking ducks (Anas platyrhynchos) and teal (Anas crecca). Jallageas M, et al. **Gen Comp Endocrinol** 36(2):201–10, Oct 78

Effects of photoperiod and temperature on testicular and thyroid activity of the Japanese quail. Oishi T, et al. **Gen Comp Endocrinol** 36(2):250–4, Oct 78

Adrenoceptor-mediated activation of liver glycogen phosphorylase: effects of thyroid state. Preiksaitis HG, et al. **Life Sci** 24(1):35–41, 1 Jan 79

The pineal, a tranquillizing organ? Romijn HJ. **Life Sci** 23(23):2257–73, 4 Dec 78 (113 ref.)

Neurohypophyseal peptides in hypothyroid rats: plasma levels and kidney response. Seif SM, et al. **Metabolism** 28(2):137–43, Feb 79

Hormonal regulation of cAMP-independent protein phosphokinase activities: thyroxine and cortisol control of enzymes from rat liver cytosol. Pavlovic-Hournac M, et al. **Mol Cell Endocrinol** 12(3):255–65, Dec 78

The thyroid—a gland in search of a function. Etkin W. **Perspect Biol Med** 22(1):19–30, Autumn 78

Thyroid function in chronic renal failure, haemodialysis, and transplant patients. Frutos M, et al. **Proc Eur Dial Transplant Assoc** 15:619–21, 1978

Effects of adrenalectomy on thyroid function and insulin levels in obese (ob/ob) mice. Yukimura Y, et al. **Proc Soc Exp Biol Med** 159(3):364–7, Dec 78

Effect of vasectomy on thyroid function. Goldman M, et al. **Res Commun Chem Pathol Pharmacol** 22(2):423–6, Nov 78

[The thyroid gland and its regulation] Lamy F, et al. **C R Soc Biol (Paris)** 172(3):413–21, 1978 **(Fre)**

[Thyroid gland reaction to experimental resection and complete removal of the pancreas] Poliak RI, et al. **Biull Eksp Biol Med** 86(12):665–8, Dec 78 (Eng. Abstr.) **(Rus)**

[Metabolic effects of Solanum malacoxylon in thyroparathyroidectomized rats] Ladizesky M, et al. **Medicina (B Aires)** 38(4):341–6, Jul–Aug 78 (Eng. Abstr.) **(Spa)**

[Thyroid function in healthy aged persons] Herrera Pombo JL, et al. **Rev Clin Esp** 151(5):363–5, 15 Dec 78 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Basal and TRH-stimulated thyroid and pituitary hormones in various degrees of renal insufficiency. Weissel M, et al. **Acta Endocrinol (Copenh)** 90(1):23–32, Jan 79

Metabolism during the hypermetabolic phase of thermal injury. Wilmore DW, et al. **Adv Surg** 12:193–225, 1978

Plasma cyclic AMP response to glucagon as an index of tissue responsiveness to thyroid hormone. Paisey R, et al. **Diabete Metab** 4(4):267–70, Dec 78

Insulin deficient diabetes. Contrasts with other endocrine deficiencies. Nabarro JD, et al. **Diabetologia** 16(1):5–12, Jan 79 (22 ref.)

Triiodothyronine (T3) concentration and therapy in autistic children. Abbassi V, et al. **J Autism Child Schizophr** 8(4):383–7, Dec 78

Psychoendocrinology. de la Fuente JR, et al. **Mayo Clin Proc** 54(2):109–18, Feb 79 (95 ref.)

Endocrine abnormalities associated with chronic renal failure. Lim VS, et al. **Med Clin North Am** 62(6):1341–61, Nov 78 (75 ref.)

Thyroid function in long term haemofiltration. Schneider H, et al. **Proc Eur Dial Transplant Assoc** 15:187–93, 1978

[The neonatal detection of congenital hypothyroidism (author's transl)] Farriaux JP, et al. **Nouv Presse Med** 7(36):3241–4, 21 Oct 78 (Eng. Abstr.) **(Fre)**

[Myopathies] Schoenen J, et al. **Rev Med Liege** 33(23):839–51, 1 Dec 78 **(Fre)**

[Plasma levels of 3,3', 5'-T3 (reverse-T3) under various functional thyroid conditions] Hüfner M, et al. **Acta Biol Med Ger** 37(3):447–52, 1978 (Eng. Abstr.)**(Ger)**

[Thyroid gland function in glaucoma] Venger PL. **Vestn Oftalmol** (6):19–21, 1978 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Hypopituitarism as a delayed result of irradiation of the facial skin. Boers GH, et al. **Neth J Med** 21(6):252–6, 1978

[Calculation of the maximum admissible concentrations of unclassified radionuclides used in nuclear medicine] Pedroli

G, et al. **Radiol Med (Torino)** 64(10):1183–4, Oct 78 **(Ita)**

RADIOGRAPHY

[The effect of lipiodol on healthy thyroid tissue of the dog] Starzyk J, et al. **Radiol Diagn (Berl)** 19(6):753–6, Dec 78 **(Ger)**

[Diagnostic value of arteriography to thyroid cancer situated in isthmus (author's transl)] Morita Y, et al. **Rinsho Hoshasen** 24(1):27–33, Jan 79 (Eng. Abstr.) **(Jpn)**

[Indirect lymphography of the thyroid gland. 2] Kazeev KN, et al. **Probl Endokrinol (Mosk)** 25(1):3–6, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Simple, rapid thyroid function testing with 99mTc-pertechnetate thyroid uptake ratio and neck/thigh ratio. Schneider PB. **AJR** 132(2):249–53, Feb 79

Congenital absence of submaxillary gland detected on 99mTc-pertechnetate thyroid imaging. Abdel-Dayem HM. **Clin Nucl Med** 3(11):442, Nov 78

The value of thallium-201 imaging in the diagnosis of thyroid carcinoma in a patient with negative 99mTc and 131I scans. Ueno K, et al. **Clin Nucl Med** 3(11):447–8, Nov 78

Tests of thyroid function. Ahuja MM, et al. **J Assoc Physicians India** 26(2):109–18, Feb 78

[Oligosymptomatic manifestation of congenital hypothyroidism (author's transl)] Klabuschnigg A, et al. **Paediatr Paedol** 14(1):103–6, 1979 (Eng. Abstr.) **(Ger)**

[Behavior of the thyrotropin reserve in subjects with 'hot' thyroid areas] Vattimo A, et al. **Boll Soc Ital Biol Sper** 54(2):137–40, 30 Jan 78 **(Ita)**

[Evaluation of the functional and clinical qualities of the new GSG-2 dual-sensor gamma-topograph] El'kind EIu, et al. **Med Tekh** (1):50–1, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

[Indications for the repeat opcrations in thyroid gland cancer] Demidov VP, et al. **Vopr Onkol** 24(12):69–73, 1978 (Eng. Abstr.) **(Rus)**

SECRETION

[Effect of potassium iodide and perchlorate on the process of thyroid hormone secretion] Turakulov IaKh, et al. **Biull Eksp Biol Med** 86(12):653–5, Dec 78 (Eng. Abstr.) **(Rus)**

SURGERY

Lateral approach for exploration of the parathyroid gland. Stevens JC. **Surg Gynecol Obstet** 148(3):431–2, Mar 79

[Intraoperative biopsy in surgical pathology of the thyroid] Taşcă C. **Endocrinologie** 16(4):301–2, Oct–Dec 78 **(Fre)**

[General anesthesia with spontaneous breathing in operations on the thyroid gland] Koriukin VM, et al. **Anesteziol Reanimatol** (6):46–50, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Methods of cosmetic sutures in thyroid gland surgery] Trach BP, et al. **Klin Khir** (12):54, Dec 78 **(Rus)**

ULTRASTRUCTURE

Nuclear segmentation in goitre aspirates. Nilsson G. **Acta Pathol Microbiol Scand [A]** 87(1):11–3, Jan 79

Ultrastructure of the collagen fibril. I. Some features of the structure of the collagen fibril. Petkov R. **Anat Anz** 144(4):301–18, Sep 78

Further studies on peroxidase activities in bovine thyroid tissue [proceedings] Hilderson HJ, et al. **Arch Int Physiol Biochim** 86(4):864–5, Oct 78

Intranuclear rodlets in woodchuck thyroid follicular cells. Frink R, et al. **Cell Tissue Res** 193(3):561–3, 30 Oct 78

Enzymatic N-glycosylation of synthetic Asn--X--Thr containing peptides. Ronin C, et al. **FEBS Lett** 96(1):179–82, 1 Dec 78

Light and electron microscopic observations of thyroid parafollicular cells of the opossum. Fortney JA. **Gen Comp Endocrinol** 36(1):119–32, Sep 78

Use of nitrogen mustard N-oxide for the fixation of electron microscopic tissues. Fujita H, et al. **Histochemistry** 58(1–2):49–56, 24 Nov 78

Cytochemical localization of complex carbohydrates in the thyroid gland of normal and TSH-treated mice. Tamura S, et al. **Histochemistry** 58(1–2):57–64, 24 Nov 78

THYROIDECTOMY

Surgical management of hypopharyngeal cancer. Particular reference to the gastric 'pull-up' operation. Harrison DF. **Arch Otolaryngol** 105(3):149–52, Mar 79

'Downhill' esophageal varices. A rare cause of upper gastrointestinal bleeding. Johnson LS, et al. **Arch Surg** 113(12):1463–4, Dec 78

Carcinomatous pseudothyroiditis: a problem in differential diagnosis. Trokoudes KM, et al. **Can Med Assoc J** 119(8):896–8, 21 Oct 78

Endogenous serum TSH levels and metastatic survey scans in thyroid cancer patients using triiodothyronine withdrawal. Martin ND. **Clin Nucl Med** 3(10):401–3, Oct 78

The demand for bone calcium in maintenance of plasma calcium concentrations. pp. 73–91. Talmage RV, et al. **In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.**

Long-term survival of thyroid carcinoma with metastatic disease treated with radioiodine. Lackey RW. **Int J Nucl Med Biol** 5(6):255–9, 1978

Thyroglobulin in benign and malignant thyroid disease. Gerfo PL, et al. **JAMA** 241(9):923–4, 2 Mar 79

Adrenoceptor-mediated activation of liver glycogen phosphorylase: effects of thyroid state. Preiksaitis HG, et al. **Life Sci** 24(1):35–41, 1 Jan 79

Thyroid hormone action at the cell level (second of two parts). Sterling K. **N Engl J Med** 300(4):173–7, 25 Jan 79 (77 ref.)

[Hypoparathyroidism in adults (author's transl)] Vagneur JP, et al. **Ann Endocrinol (Paris)** 39(5):373–85, 1978 (Eng. Abstr.) **(Fre)**

[Plasma levels of 3,3', 5'-T3 (reverse-T3) under various functional thyroid conditions] Hüfner M, et al. **Acta Biol Med Ger** 37(3):447–52, 1978 (Eng. Abstr.)**(Ger)**

[Nonsurgical therapy of hyperthyroidism (author's transl)] Klein E. **Langenbecks Arch Chir** 347:131–6, Nov 78 (Eng. Abstr.) **(Ger)**

[Benign and malignant tumors of the thyroid gland. Diagnosis and therapy in general practice] Wildmeister W. **ZFA (Stuttgart)** 55(3):144–52, 31 Jan 79 **(Ger)**

[Beta blockaders and premedication in thyrotoxicosis surgery (editorial)] Haugen HN. **Tidsskr Nor Laegeforen** 99(2):80, 20 Jan 79 **(Nor)**

[Beta adrenergic blockade and subtotal thyroidectomy in thyrotoxic patients. A prospective study in 30 patients treated with propranolol] Solem JH, et al. **Tidsskr Nor Laegeforen** 99(2):81–2, 20 Jan 79 **(Nor)**

[General anesthesia with spontaneous breathing in operations on the thyroid gland] Koriukin VM, et al. **Anesteziol Reanimatol** (6):46–50, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Physico-chemical properties of immunoglobulin G from the serum of thyroidectomized rabbits] Kosik OG, et al. **Vopr Med Khim** 24(6):827–32, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Recurrent thyroid gland neoplasms] Demidov VP, et al. **Vopr Onkol** 24(11):53–8, 1978 (Eng. Abstr.) **(Rus)**

METHODS

[Other forms of hyperthyroidism: indications and operative procedures (author's transl)] Riccabona G. **Langenbecks Arch Chir** 347:151–5, Nov 78 (Eng. Abstr.) **(Ger)**

[Therapy of thyroid carcinoma] Schumann C. **Z Aerztl Fortbild (Jena)** 72(24):1159–61, 15 Dec 78 **(Ger)**

[Indications for the repeat operations in thyroid gland cancer] Demidov VP, et al. **Vopr Onkol** 24(12):69–73, 1978 (Eng. Abstr.) **(Rus)**

THYROID

II. Disorders of the Thyroid Gland

CRETINISM

OCCURRENCE

Recent advances in screening for inborn errors of metabolism. Watts RW. **Monogr Hum Genet** 9:204–11, 1978

GOITER

BLOOD

[Several kinin system indices in diseases of the thyroid gland] Fesenko VP, et al. **Vopr Med Khim** 24(6):781–6, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

The effect of sodium bromide ingestion on the goitrogenic action of ethylenethiourea in the male rat. Newsome WH, et al. **Bull Environ Contam Toxicol** 20(5):678–86, Nov 78

COMPLICATIONS

[Follicular carcinoma with sarcomatoid dedifferentiation or thyroid gland carcinosarcoma?] Tscholl–Ducommun J. **Schweiz Med Wochenschr** 109(3):86–92, 20 Jan 79 (Eng. Abstr.) **(Fre)**

[Tumor and struma with special reference to breast cancer and struma] Pohlschmidt L. **Ther Ggw** 118(2):256–70, Feb 79 **(Ger)**

CONGENITAL

Retropharyngeal masses in infants and young children. McCook TA, et al. **Am J Dis Child** 133(1):41–3, Jan 79

[Goiter in the newborn: comments apropos of 10 case reports] Ponte C, et al. **Lille Med** 23(9):622–8, 1978 **(Fre)**

DIAGNOSIS

Retropharyngeal goitre. Shamim M. **J R Coll Surg Edinb** 23(6):367–8, Nov 78

[Echography and thermography in the pathology of thyroid tumors. A study of 135 hypofixated nodules (author's transl)] Bellossi A. **Ann Radiol (Paris)** 21(6):409–10, Jul–Sep 78 (Eng. Abstr.) **(Fre)**

[Goiter in the newborn: comments apropos of 10 case reports] Ponte C, et al. **Lille Med** 23(9):622–8, 1978 **(Fre)**

[TRH test for efficient and rational thyroid diagnosis] Wenzel KW. **Dtsch Med Wochenschr** 104(7):229–34, 16 Feb 79 **(Ger)**

[Goiter. Diagnosis and therapy in practice] Horster FA. **ZFA (Stuttgart)** 55(3):127–11, 31 Jan 79 **(Ger)**

[Role of thermovision in the diagnosis of surgical diseases of the thyroid gland] Vlasov IP. **Probl Endokrinol (Mosk)** 25(1):7–11, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Alteration of TSH secretion in children with goitre after short–term treatment with potassium iodide (author's transl)] Ranke M, et al. **Dtsch Med Wochenschr** 104(4):132–4, 26 Jan 79 (Eng. Abstr.) **(Ger)**

[Goiter. Diagnosis and therapy in practice] Horster FA. **ZFA (Stuttgart)** 55(3):127–11, 31 Jan 79 **(Ger)**

ENZYMOLOGY

[Liver function in thyroid gland diseases according to the study of its specific and nonspecific enzymes] Fesenko VP, et al. **Klin Khir** (12):51–2, Dec 78 **(Rus)**

ETIOLOGY

[Goiter in the newborn: comments apropos of 10 case reports] Ponte C, et al. **Lille Med** 23(9):622–8, 1978 **(Fre)**

METABOLISM

[Behavior of the thyrotropin reserve in subjects with 'hot' thyroid areas] Vattimo A, et al. **Boll Soc Ital Biol Sper** 54(2):137–40, 30 Jan 78 **(Ita)**

PATHOLOGY

Nuclear segmentation in goitre aspirates. Nilsson G. **Acta Pathol Microbiol Scand [A]** 87(1):11–3, Jan 79

Ultrastructure of the collagen fibril. I. Some features of the structure of the collagen fibril. Petkov R. **Anat Anz** 144(4):301–18, Sep 78

The effect of sodium bromide ingestion on the goitrogenic action of ethylenethiourea in the male rat. Newsome WH, et al. **Bull Environ Contam Toxicol** 20(5):678–86, Nov 78

Some disturbances related to iodination and utilisation of thyroglobulin and 27 S iodoprotein in non–toxic multinodular goitre. Sinadinović J, et al. **Endokrinologie** 72(2):155–65, May 78

PHYSIOPATHOLOGY

Modifications of dermatoglyphics in thyreopathy. Ciovîrnache M, et al. **Endocrinologie** 16(4):277–86, Oct–Dec 78

PREVENTION & CONTROL

[Goiter. Diagnosis and therapy in practice] Horster FA. **ZFA (Stuttgart)** 55(3):127–11, 31 Jan 79 **(Ger)**

RADIOGRAPHY

Retropharyngeal masses in infants and young children. McCook TA, et al. **Am J Dis Child** 133(1):41–3, Jan 79

[Indirect lymphography of the thyroid gland. 2] Kazeev KN, et al. **Probl Endokrinol (Mosk)** 25(1):3–6, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

RADIOTHERAPY

131I treated hypothyroidism and thyroid antibody levels. Vejjajiva S, et al. **J Med Assoc Thai** 62(2):51–3, Feb 79

SURGERY

Retropharyngeal goitre. Shamim M. **J R Coll Surg Edinb** 23(6):367–8, Nov 78

[Medicine and the law. Extent of patient information required for strumectomy (news)] **Med Welt** 30(5):17–8, 2 Feb 79 **(Ger)**

[Goiter. Diagnosis and therapy in practice] Horster FA. **ZFA (Stuttgart)** 55(3):127–11, 31 Jan 79 **(Ger)**

[Liver function in thyroid gland diseases according to the study of its specific and nonspecific enzymes] Fesenko VP, et al. **Klin Khir** (12):51–2, Dec 78 **(Rus)**

[Surgical treatment of goiter and thyrotoxicosis] Vasilev NB. **Vestn Khir** 121(11):43–8, Nov 78 (Eng. Abstr.) **(Rus)**

[Several kinin system indices in diseases of the thyroid gland] Fesenko VP, et al. **Vopr Med Khim** 24(6):781–6, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

GOITER, ENDEMIC

BLOOD

Hormonal and nutritional status: critical conditions for endemic goiter epidemiology? Ingenbleek Y, et al. **Metabolism** 28(1):9–19, Jan 79

ETIOLOGY

Endemic goitre, the factors controlling iodine deficiency in soils. Aston SR, et al. **Sci Total Environ** 11(1):99–104, Jan 79

Goitre zonation in the Kumaon region: a geo–medical study. Akhtar R. **Soc Sci Med** 12(3D–4D):157–63, Dec 78

OCCURRENCE

Hormonal and nutritional status: critical conditions for endemic goiter epidemiology? Ingenbleek Y, et al. **Metabolism** 28(1):9–19, Jan 79

Goitre zonation in the Kumaon region: a geo–medical study. Akhtar R. **Soc Sci Med** 12(3D–4D):157–63, Dec 78

[The current status of endemic goiter in Upper Adige and the necessity for iodine prophylaxis] Platzer S. **Minerva Med** 69(60):4193–8, 8 Dec 78 **(Ita)**

PREVENTION & CONTROL

Goitre zonation in the Kumaon region: a geo–medical study. Akhtar R. **Soc Sci Med** 12(3D–4D):157–63, Dec 78

[Our experience with iodization of table salt in Czechoslovakia] Pečený J, et al. **Cesk Pediatr** 34(1):37–8, Jan 79 (Eng. Abstr.) **(Cze)**

[The current status of endemic goiter in Upper Adige and the necessity for iodine prophylaxis] Platzer S. **Minerva Med** 69(60):4193–8, 8 Dec 78 **(Ita)**

[Evaluation of the effectiveness of prevention of endemic goiter in the Sverdlovsk district] Mikhallov IuM, et al. **Sov Med** (11):102–5, Nov 78 (Eng. Abstr.) **(Rus)**

URINE

[The current status of endemic goiter in Upper Adige and the necessity for iodine prophylaxis] Platzer S. **Minerva Med** 69(60):4193–8, 8 Dec 78 **(Ita)**

GOITER, EXOPHTHALMIC

BLOOD

[Endocrine ophthalmopathy in Graves disease during antithyroid drug therapy (author's transl)] Wuttke H, et al. **Klin Wochenschr** 57(2):69–74, 15 Jan 79 (Eng. Abstr.) **(Ger)**

[Fibrinogen degradation products, soluble fibrin and antithrombin III in toxic goiter patients] Panchenko VM, et al. **Probl Endokrinol (Mosk)** 25(1):11–5, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

[Several kinin system indices in diseases of the thyroid gland] Fesenko VP, et al. **Vopr Med Khim** 24(6):781–6, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Successful treatment of exophthalmos and pretibial myxoedema with plasmapheresis. Dandona P, et al. **Br Med J** 1(6160):374–6, 10 Feb 79

T3/T4 ratio in thyroid disease [letter] Amino N, et al. **Lancet** 1(8107):107, Jan 79

[Rheumatoid factors in Basedow's disease] Scherbaum WA, et al. **Z Rheumatol** 37(11–12):405–9, Nov–Dec 78 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Interdependence of symptoms and signs in hyperthyroidism and euthyroid state. Niewiadomski M, et al. **Comput Biol Med** 8(4):309–18, 1978

T3/T4 ratio in thyroid disease [letter] Amino N, et al. **Lancet** 1(8107):107, Jan 79

Grey scale ultrasonic examination of the thyroid gland. Crocker EF, et al. **Med J Aust** 2(6):244–8, 9 Sep 78

Unilateral breast-feeding: a new clue to the diagnosis of thyrotoxicosis. Brownlie BE, et al. **NZ Med J** 88(624):404–5, 22 Nov 78

[Hyperthyroidism: diagnosis (author's transl)] Horster FA. **Langenbecks Arch Chir** 347:125–30, Nov 78 (Eng. Abstr.) **(Ger)**

[Practical experiences with the TRH rapid test in the diagnosis of thyroid function] Weiske R, et al. **Med Welt** 30(4):123–30, 26 Jan 79 **(Ger)**

[Follow up studies of the antithyroid drug therapy for hyperthyroidism with special emphasis on the clinical usefulness of TRH and T3-suppression tests during treatment (author's transl)] Tamai H. **Fukuoka Igaku Zasshi** 69(11):486–94, Nov 78 (Eng. Abstr.) **(Jpn)**

[Errors and hazards in the diagnosis of thyroid diseases] Mazchenko NS. **Klin Khir** (12):38–9, Dec 78 **(Rus)**

[Role of thermovision in the diagnosis of surgical diseases of the thyroid gland] Vlasov IP. **Probl Endokrinol (Mosk)** 25(1):7–11, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Failure of the TRH test to predict the clinical course of patients in remission after antithyroid drug therapy for Graves' disease. Irvine WJ, et al. **Acta Endocrinol (Copenh)** 90(1):18–22, Jan 79

The course of endocrine ophthalmopathy during antithyroid therapy in a prospective study. Solem JH, et al. **Acta Med Scand** 205(1–2):111–4, 1979

Time and tides in Graves's disease: their implications in predicting outcome of treatment. Wilkin TJ, et al. **Br Med J** 1(6156):88–9, 13 Jan 79

Relapse after short–term antithyroid therapy of Graves' disease [letter] Burr WA, et al. **N Engl J Med** 300(4):200, 25 Jan 79

[Endocrine ophthalmopathy in Graves disease during antithyroid drug therapy (author's transl)] Wuttke H, et al. **Klin Wochenschr** 57(2):69–74, 15 Jan 79 (Eng. Abstr.) **(Ger)**

[Nonsurgical therapy of hyperthyroidism (author's transl)] Klein E. **Langenbecks Arch Chir** 347:131–6, Nov 78 (Eng. Abstr.) **(Ger)**

[Basedow–Graves' disease: operative treatment (author's transl)] Röher HD. **Langenbecks Arch Chir** 347:137–44, Nov 78 (Eng. Abstr.) **(Ger)**

[Follow up studies of the antithyroid drug therapy for hyperthyroidism with special emphasis on the clinical usefulness of TRH and T3-suppression tests during treatment (author's transl)] Tamai H. **Fukuoka Igaku Zasshi** 69(11):486–94, Nov 78 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

[Endocrine ophthalmopathy in Graves disease during antithyroid drug therapy (author's transl)] Wuttke H, et al. **Klin Wochenschr** 57(2):69–74, 15 Jan 79 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

A study of human leukocyte D locus related antigens in Graves' disease. Farid NR, et al. **J Clin Invest** 63(1):108–13, Jan 79

IMMUNOLOGY

Quantitative and functional assessment of peripheral T–lymphocytes in thyroid diseases. Grinblat J, et al. **Acta Endocrinol (Copenh)** 90(1):52–61, Jan 79

Leukocyte migration test for the study of immune reactivity in cases of Graves disease associated with infiltrative ophthalmopathy. Kálmán K, et al. **Acta Med Acad Sci Hung** 35(1):29–34, 1978

Immune reactions in patients with Graves' disease. Bonnyns M, et al. **Am J Med** 65(6):971–7, Dec 78

Successful treatment of exophthalmos and pretibial myxoedema with plasmapheresis. Dandona P, et al. **Br Med J** 1(6160):374–6, 10 Feb 79

A study of human leukocyte D locus related antigens in Graves' disease. Farid NR, et al. **J Clin Invest** 63(1):108–13, Jan 79

[HLA and diseases. Physiopathological role of major histocompatibility complex (continued)] Muller JY. **Rev Fr Transfus Immunohematol** 21(4):993–1019, Sep 78 **(Fre)**

[Rheumatoid factors in Basedow's disease] Scherbaum WA, et al. **Z Rheumatol** 37(11–12):405–9, Nov–Dec 78 (Eng. Abstr.) **(Ger)**

[Autoimmunization symptoms in thyroid diseases] Węgier A, et al. **Pol Tyg Lek** 33(52):2011–3, 25 Dec 78 (30 ref.) **(Pol)**

METABOLISM

Time and tides in Graves's disease: their implications in predicting outcome of treatment. Wilkin TJ, et al. **Br Med J** 1(6156):88–9, 13 Jan 79

Cell–surface receptors in health and disease. Blecher M. **Clin Chem** 25(1):11–9, Jan 79

PATHOLOGY

[Hyperthyroidism (author's transl)] Studer H. **Langenbecks Arch Chir** 347:119–23, Nov 78 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Modifications of dermatoglyphics in thyreopathy. Ciovîrnache

M, et al. **Endocrinologie** 16(4):277–86, Oct–Dec 78

RADIOGRAPHY

[Indirect lymphography of the thyroid gland. 2] Kazeev KN, et al. **Probl Endokrinol (Mosk)** 25(1):3–6, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

[Surgery of hyperthyroidism: introduction (author's transl)] Heberer G. **Langenbecks Arch Chir** 347:115–7, Nov 78 (Eng. Abstr.) **(Ger)**

[Gamma-orbitography with Ga 67 and Tc 99m in exophthalmos caused by thyroid diseases] Bosco F, et al. **Minerva Med** 69(51):3535–8, 27 Oct 78 **(Ita)**

RADIOTHERAPY

Comparative follow-up of patients with hyperthyroidism treated with 131 or surgery. Alizadeh J, et al. **J Med Assoc Ga** 68(2):101–4, Feb 79

Recurrent Graves disease spanning 24 years. Abrams JJ, et al. **West J Med** 129(6):504–6, Dec 78

[Nonsurgical therapy of hyperthyroidism (author's transl)] Klein E. **Langenbecks Arch Chir** 347:131–6, Nov 78 (Eng. Abstr.) **(Ger)**

SURGERY

Comparative follow-up of patients with hyperthyroidism treated with 131 or surgery. Alizadeh J, et al. **J Med Assoc Ga** 68(2):101–4, Feb 79

[Surgery of hyperthyroidism: introduction (author's transl)] Heberer G. **Langenbecks Arch Chir** 347:115–7, Nov 78 (Eng. Abstr.) **(Ger)**

[Nonsurgical therapy of hyperthyroidism (author's transl)] Klein E. **Langenbecks Arch Chir** 347:131–6, Nov 78 (Eng. Abstr.) **(Ger)**

[Basedow–Graves' disease: operative treatment (author's transl)] Röher HD. **Langenbecks Arch Chir** 347:137–44, Nov 78 (Eng. Abstr.) **(Ger)**

[Hyperthyroidism (author's transl)] Studer H. **Langenbecks Arch Chir** 347:119–23, Nov 78 (Eng. Abstr.) **(Ger)**

[Errors and hazards in the diagnosis of thyroid diseases] Mazchenko NS. **Klin Khir** (12):38–9, Dec 78 **(Rus)**

[Surgical treatment of patients with recurrent toxic goiter] Skripnichenko DF, et al. **Klin Khir** (12):32–4, Dec 78 (Eng. Abstr.) **(Rus)**

[Methods in improvement of surgical results of toxic goiter] Mikhaĭlov IuM. **Sov Med** (12):48–52, Dec 78 (Eng. Abstr.) **(Rus)**

[Several kinin system indices in diseases of the thyroid gland] Fesenko VP, et al. **Vopr Med Khim** 24(6):781–6, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

THERAPY

Successful treatment of exophthalmos and pretibial myxoedema with plasmapheresis. Dandona P, et al. **Br Med J** 1(6160):374–6, 10 Feb 79

Comparative follow-up of patients with hyperthyroidism treated with 131 or surgery. Alizadeh J, et al. **J Med Assoc Ga** 68(2):101–4, Feb 79

URINE

Immunoreactive 'TSH' in urinary concentrates of Graves' disease patients: a radioimmunoassay artefact. van Herle AJ, et al. **Eur J Clin Invest** 8(5):295–301, Oct 78

GOITER, NODULAR

CHEMICALLY INDUCED

[Danger of iodine drugs in the pregnant woman] Crepin G, et al. **Phlebologie** 31(3):279–85, Jul–Sep 78 (Eng. Abstr.) **(Fre)**

CONGENITAL

[Danger of iodine drugs in the pregnant woman] Crepin G, et al. **Phlebologie** 31(3):279–85, Jul–Sep 78 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Grey scale ultrasonic examination of the thyroid gland. Crocker EF, et al. **Med J Aust** 2(6):244–8, 9 Sep 78

[Hyperthyroidism: diagnosis (author's transl)] Horster FA. **Langenbecks Arch Chir** 347:125–30, Nov 78 (Eng. Abstr.) **(Ger)**

[Errors and hazards in the diagnosis of thyroid diseases] Mazchenko NS. **Klin Khir** (12):38–9, Dec 78 **(Rus)**

[Role of thermovision in the diagnosis of surgical diseases of the thyroid gland] Vlasov IP. **Probl Endokrinol (Mosk)** 25(1):7–11, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Quantitative and functional assessment of peripheral T-lymphocytes in thyroid diseases. Grinblat J, et al. **Acta Endocrinol (Copenh)** 90(1):52–61, Jan 79

METABOLISM

Some disturbances related to iodination and utilisation of thyroglobulin and 27 S iodoprotein in non-toxic multinodular goitre. Sinadinović J, et al. **Endokrinologie** 72(2):155–65, May 78

PATHOLOGY

Nuclear segmentation in goitre aspirates. Nilsson G. **Acta Pathol Microbiol Scand [A]** 87(1):11–3, Jan 79

[Hyperthyroidism (author's transl)] Studer H. **Langenbecks Arch Chir** 347:119–23, Nov 78 (Eng. Abstr.) **(Ger)**

SURGERY

[Surgery of hyperthyroidism: introduction (author's transl)] Heberer G. **Langenbecks Arch Chir** 347:115–7, Nov 78 (Eng. Abstr.) **(Ger)**

[Other forms of hyperthyroidism: indications and operative procedures (author's transl)] Riccabona G. **Langenbecks Arch Chir** 347:151–5, Nov 78 (Eng. Abstr.) **(Ger)**

[Hyperthyroidism (author's transl)] Studer H. **Langenbecks Arch Chir** 347:119–23, Nov 78 (Eng. Abstr.) **(Ger)**

[Effect of surgical procedure on the spontaneous nitroblue tetrazolium reduction] Hermel AA. **Pol Przegl Chir** 50(9):733–9, Sep 78 (Eng. Abstr.) **(Pol)**

[Relation between adenoma and thyroid neoplasm] Cheren'ko MP, et al. **Klin Khir** (12):7–11, Dec 78 (Eng. Abstr.) **(Rus)**

[Errors and hazards in the diagnosis of thyroid diseases] Mazchenko NS. **Klin Khir** (12):38–9, Dec 78 **(Rus)**

THERAPY

[Conservative treatment of other forms of hyperthyroidism (author's transl)] Reinwein D. **Langenbecks Arch Chir** 347:145–50, Nov 78 (Eng. Abstr.) **(Ger)**

GOITER, SUBSTERNAL

COMPLICATIONS

Value of oblique tomography in tracheal stenosis due to retrosternal goitre. Ward P, et al. **Br Med J** 2(6152):1609–10, 9 Dec 78

PHYSIOPATHOLOGY

[Surgery of endothoracic struma] Zwintz E, et al. **Chirurg** 50(1):26–32, Jan 79 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[Surgery of endothoracic struma] Zwintz E, et al. **Chirurg** 50(1):26–32, Jan 79 (Eng. Abstr.) **(Ger)**

[Posterior (retrovascular) mediastinocervical goiters] Zitti E, et al. **Rev Chir [Chir]** 27(5):345–50, Sep–Oct 78 (Eng. Abstr.) **(Rum)**

SURGERY

[Surgery of endothoracic struma] Zwintz E, et al. **Chirurg** 50(1):26–32, Jan 79 (Eng. Abstr.) **(Ger)**

[Posterior (retrovascular) mediastinocervical goiters] Zitti E, et al. **Rev Chir [Chir]** 27(5):345–50, Sep–Oct 78 (Eng. Abstr.)

(Rum)

HYPERTHYROIDISM

Thyrotoxicosis during pregnancy. Pekonen F, et al. **Ann Chir Gynaecol** 67(5):165–73, 1978 (100 ref.)

9th annual meeting of the European Thyroid Association. Abstracts. Berlin–4—8 September 1978. **Ann Endocrinol (Paris)** 39(5):1A–62A, 1978

[The word hyperthyroidism (editorial)] Pasqualini RQ. **Medicina (B Aires)** 38(5):599–601, Sep–Oct 78 (Spa)

BLOOD

Proliferation of peripheral lymphoid cells from euthyroid and hyperthyroid individuals cultured with human thyroglobulin. Blomgren H, et al. **Acta Endocrinol (Copenh)** 90(2):227–32, Feb 79

Plasma cyclic nucleotide levels in hyperthyroidism. Lin T. **Acta Endocrinol (Copenh)** 90(1):62–8, Jan 79

Association of hyperthyroidism with idiopathic thrombocytopenic purpura and haemolytic anaemia. Branehög I, et al. **Acta Med Scand** 205(1–2):125–31, 1979

Plasma 25-hydroxyvitamin D and alkaline phosphatase isoenzymes in hyperthyroidism. Cleeve HJ, et al. **Ann Clin Biochem** 15(6):320–3, Nov 78

The effect of age and hyperthyroidism on plasma propranolol steady state concentration [proceedings] Feely J, et al. **Br J Clin Pharmacol** 6(5):446P, Nov 78

The T4/TBG ratio and the investigation of thyroid function. Attwood EC, et al. **Clin Biochem** 11(5):218–21, Oct 78

An assessment under routine conditions of an immunoelectrophoretic assay for thyroxine-binding globulin. Attwood EC, et al. **Clin Biochem** 11(6):226–9, Dec 78

Plasma cyclic AMP response to glucagon as an index of tissue responsiveness to thyroid hormone. Paisey R, et al. **Diabete Metab** 4(4):267–70, Dec 78

Aldosterone in myxoedema [letter] Olgaard K, et al. **Lancet** 1(8109):218, 27 Jan 79

Variable plasma propranolol levels in thyrotoxicosis. Rubenfeld S, et al. **N Engl J Med** 300(7):353–4, 15 Feb 79

Changes in thyroid hormones by treatment with aspirin and prednisolone in subacute thyroiditis with hyperthyroidism. Yamamoto M, et al. **Tohoku J Exp Med** 127(1):85–95, Jan 79

[Calcitonin and hypercalcaemia (author's transl)] Milhaud G, et al. **Sem Hop Paris** 54(29–32):911–7, 8–15 Oct 78 (Eng. Abstr.) (Fre)

[Plasma levels of 3,3', 5'-T3 (reverse-T3) under various functional thyroid conditions] Hüfner M, et al. **Acta Biol Med Ger** 37(3):447–52, 1978 (Eng. Abstr.)(Ger)

[Hyperthyroidism: diagnosis (author's transl)] Horster FA. **Langenbecks Arch Chir** 347:125–30, Nov 78 (Eng. Abstr.) (Ger)

[Judgement of the effectivity of radioiodine therapy of thyreotoxicosis according to results of the radioimmunological determination of the thyrotropic pituitary hormone (author's transl)] Livergant JE, et al. **Radiobiol Radiother (Berl)** 19(5):632–6, Oct 78 (Eng. Abstr.) (Ger)

[Clinical significance of 'sub- or preclinical' hyperthyroidism] Studer H, et al. **Schweiz Med Wochenschr** 108(51):2029–33, 23 Dec 78 (Eng. Abstr.) (Ger)

[Analysis of catecholamines in hyperthyreosis] Vereckei I, et al. **Orv Hetil** 120(3):143–5, 21 Jan 79 (Hun)

[Effects of the length of radioiodine treatment of hyperthyroidism on the distribution of blood levels of calcium and phosphorus as a function of sex and age] Mazzuoli GF, et al. **Minerva Med** 69(60):4181–92, 8 Dec 78 (Eng. Abstr.) (Ita)

[Indices of cortisol binding to plasma proteins in the course of surgical treatment of hyperthyroidism] Puchalski Z. **Pol Przegl Chir** 50(9):761–4, Sep 78 (Eng. Abstr.) (Pol)

[Blood serum properdin level in patients with thyrotoxicosis] Diachuk IA, et al. **Klin Khir** (12):15–7, Dec 78 (Eng. Abstr.) (Rus)

[Relation between the plasma levels of T3 and T4 in thyroid hyperfunction. T3 and T4 hyperthyroidism] Rubio Pérez P, et al. **Rev Clin Esp** 151(4):273–6, 30 Nov 78 (Eng. Abstr.) (Spa)

CHEMICALLY INDUCED

Effect of altered thyroid function on plasma creatine kinase clearance in the dog. Karlsberg RP, et al. **Am J Physiol** 235(6):E614–8, Dec 78

Calcium transport ATPase of cardiac sarcoplasmic reticulum in experimental hyperthyroidism. Limas CJ. **Am J Physiol** 235(6):H745–52, Dec 78

Triiodothyronine (T3) concentration and therapy in autistic children. Abbassi V, et al. **J Autism Child Schizophr** 8(4):383–7, Dec 78

[Iodine-induced thyrotoxicosis] Thorsteinsson B, et al. **Ugeskr Laeger** 141(3):155–7, 15 Jan 79 (Eng. Abstr.) (Dan)

[Conservative treatment of other forms of hyperthyroidism (author's transl)] Reinwein D. **Langenbecks Arch Chir** 347:145–50, Nov 78 (Eng. Abstr.) (Ger)

CLASSIFICATION

[The word hyperthyroidism (editorial)] Pasqualini RQ. **Medicina (B Aires)** 38(5):599–601, Sep–Oct 78 (Spa)

COMPLICATIONS

Association of hyperthyroidism with idiopathic thrombocytopenic purpura and haemolytic anaemia. Branehög I, et al. **Acta Med Scand** 205(1–2):125–31, 1979

Iodine-induced hypothyroidism and its effect on the severity of asthma. Korsager S, et al. **Acta Med Scand** 205(1–2):115–7, 1979

Hyperthyroidism as a cause of persistent choreic movements. Delwaide PJ, et al. **Acta Neurol Scand** 58(5):309–12, Nov 78

Neurologic complications of thyroid dysfunction. Kudrjavcev T. **Adv Neurol** 19:619–36, 1978

Coronary spasm with ventricular fibrillation during thyrotoxicosis: response to attaining euthyroid state. Wei JY, et al. **Am J Cardiol** 43(2):335–9, Feb 79

Endocrinologic aspects of failure to thrive. Abrams CA. **Pediatr Ann** 7(11):760–6, Nov 78

Response to thyrotrophin-releasing hormone in atrial dysrhythmias. Symons C, et al. **Postgrad Med J** 54(636):658–62, Oct 78

Subacute thyroxic myopathy. Porenta M, et al. **Radiobiol Radiother (Berl)** 19(5):620–6, Oct 78

Changes in thyroid hormones by treatment with aspirin and prednisolone in subacute thyroiditis with hyperthyroidism. Yamamoto M, et al. **Tohoku J Exp Med** 127(1):85–95, Jan 79

[Arrhythmias. Diagnosis and therapy. WPW (Wolff-Parkinson-White)-syndrome VI] So CS. **Med Klin** 74(7):preceding 229, 16 Feb 79 (Ger)

[Achalasia and the thyroid gland] Schomerus H, et al. **Verh Dtsch Ges Inn Med** (84):1601–3, 1978 (Ger)

[A case of hyperthyroidism with pancytopenia and the etiological study of its haematological disorders (author's transl)] Hino N, et al. **Rinsho Ketsueki** 19(11):1523–30, Nov 78 (Eng. Abstr.) (Jpn)

DIAGNOSIS

Thyrotoxicosis during pregnancy. Pekonen F, et al. **Ann Chir Gynaecol** 67(5):165–73, 1978 (100 ref.)

Pitfalls in the laboratory diagnosis of atypical hyperthyroidism. Hamburger JI. **Arch Intern Med** 139(1):96–8, Jan 79

Interdependence of symptoms and signs in hyperthyroidism and euthyroid state. Niewiadomski M, et al. **Comput Biol Med** 8(4):309–18, 1978

T3/T4 ratio in thyroid disease [letter] Amino N, et al. **Lancet** 1(8107):107, Jan 79

Thyrotrophin-releasing-hormone test in phaeochromocytoma [letter] Linch DC, et al. **Lancet** 1(8109):210, 27 Jan 79

Unilateral breast-feeding: a new clue to the diagnosis of thyrotoxicosis. Brownlie BE, et al. **NZ Med J** 88(624):404–5, 22 Nov 78

Response to thyrotrophin-releasing hormone in atrial dysrhythmias. Symons C, et al. **Postgrad Med J** 54(636):658–62, Oct 78

Advances in endocrinology. Hardisty CA, et al. **Practitioner** 221(1324):499–503, Oct 78

Subacute thyroxic myopathy. Porenta M, et al. **Radiobiol Radiother (Berl)** 19(5):620–6, Oct 78

[Echography and thermography in the pathology of thyroid tumors. A study of 135 hypofixated nodules (author's transl)] Bellossi A. **Ann Radiol (Paris)** 21(6):409–10, Jul–Sep 78 (Eng. Abstr.) (Fre)

[TRH test for efficient and rational thyroid diagnosis] Wenzel KW. **Dtsch Med Wochenschr** 104(7):229–34, 16 Feb 79 (Ger)

[Round-table discussion: surgery in hyperthyroidism] **Langenbecks Arch Chir** 347:157–8, Nov 78 (Ger)

[Hyperthyroidism: diagnosis (author's transl)] Horster FA. **Langenbecks Arch Chir** 347:125–30, Nov 78 (Eng. Abstr.) (Ger)

[Practical experiences with the TRH rapid test in the diagnosis of thyroid function] Weiske R, et al. **Med Welt** 30(4):123–30, 26 Jan 79 **(Ger)**

[Heat flushes during menopause; hyperthyroidism or carcinoid?] **MMW** 121(4):122, 26 Jan 79 **(Ger)**

[Clinical significance of 'sub- or preclinical' hyperthyroidism] Studer H, et al. **Schweiz Med Wochenschr** 108(51):2029–33, 23 Dec 78 (Eng. Abstr.) **(Ger)**

[Muscle flaccidity as a leading and warning symptom in endocrinopathies] Pongratz D, et al. **Verh Dtsch Ges Inn Med** (84):846–52, 1978 (35 ref.) **(Ger)**

[Hyperthyroidism and hypothyroidism in general practice. Diagnosis and therapy] Eickenbusch W. **ZFA (Stuttgart)** 55(3):132–43, 31 Jan 79 **(Ger)**

[Benign and malignant tumors of the thyroid gland. Diagnosis and therapy in general practice] Wildmeister W. **ZFA (Stuttgart)** 55(3):144–52, 31 Jan 79 **(Ger)**

[Basal metabolism and external respiration in thyrotoxicosis] Dubrovskiĭ AA. **Vestn Khir** 121(12):57–9, Dec 78 (Eng. Abstr.) **(Rus)**

[Relation between the plasma levels of T3 and T4 in thyroid hyperfunction. T3 and T4 hyperthyroidism] Rubio Pérez P, et al. **Rev Clin Esp** 151(4):273–6, 30 Nov 78 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Plasma cyclic nucleotide levels in hyperthyroidism. Lin T. **Acta Endocrinol (Copenh)** 90(1):62–8, Jan 79

Thyrotoxicosis during pregnancy. Pekonen F, et al. **Ann Chir Gynaecol** 67(5):165–73, 1978 (100 ref.)

Prednisone use in concurrent autoimmune diseases. Harati Y, et al. **Arch Neurol** 36(2):103–6, Feb 79

Prenatal treatment of fetal thyrotoxicosis. Robinson PL, et al. **Br Med J** 1(6160):383–4, 10 Feb 79

Clinical applications of beta adrenergic blocking drugs: a growing spectrum. Ram CV. **Heart Lung** 8(1):116–23, Jan–Feb 79

Relapse after short-term antithyroid therapy of Graves' disease [letter] Burr WA, et al. **N Engl J Med** 300(4):200, 25 Jan 79

Changes in thyroid hormones by treatment with aspirin and prednisolone in subacute thyroiditis with hyperthyroidism. Yamamoto M, et al. **Tohoku J Exp Med** 127(1):85–95, Jan 79

[Endocrine ophthalmopathy in Graves disease during antithyroid drug therapy (author's transl)] Wuttke H, et al. **Klin Wochenschr** 57(2):69–74, 15 Jan 79 (Eng. Abstr.) **(Ger)**

[Round-table discussion: surgery in hyperthyroidism] **Langenbecks Arch Chir** 347:157–8, Nov 78 **(Ger)**

[Hyperthyroidism and hypothyroidism in general practice. Diagnosis and therapy] Eickenbusch W. **ZFA (Stuttgart)** 55(3):132–43, 31 Jan 79 **(Ger)**

ENZYMOLOGY

Effect of altered thyroid function on plasma creatine kinase clearance in the dog. Karlsberg RP, et al. **Am J Physiol** 235(6):E614–8, Dec 78

Calcium transport ATPase of cardiac sarcoplasmic reticulum in experimental hyperthyroidism. Limas CJ. **Am J Physiol** 235(6):H745–52, Dec 78

Prednisone use in concurrent autoimmune diseases. Harati Y, et al. **Arch Neurol** 36(2):103–6, Feb 79

ETIOLOGY

Hashimoto's thyroiditis presenting as T3 toxicosis. Mallya RK, et al. **Br Med J** 2(6151):1535–6, 2 Dec 78

T3/T4 ratio in thyroid disease [letter] Amino N, et al. **Lancet** 1(8107):107, Jan 79

[Development of thyrotoxicosis following verified myxedema] Perrild H. **Ugeskr Laeger** 141(8):518–20, 19 Feb 79 (Eng. Abstr.) **(Dan)**

[Clinical significance of 'sub- or preclinical' hyperthyroidism] Studer H, et al. **Schweiz Med Wochenschr** 108(51):2029–33, 23 Dec 78 (Eng. Abstr.) **(Ger)**

HISTORY

[The word hyperthyroidism (editorial)] Pasqualini RQ. **Medicina (B Aires)** 38(5):599–601, Sep–Oct 78 **(Spa)**

IMMUNOLOGY

Proliferation of peripheral lymphoid cells from euthyroid and hyperthyroid individuals cultured with human thyroglobulin. Blomgren H, et al. **Acta Endocrinol (Copenh)** 90(2):227–32, Feb 79

Serum thyrotrophin and circulating thyroglobulin and thyroid microsomal antibodies in a Finnish population. Gordin A, et al. **Acta Endocrinol (Copenh)** 90(1):33–42, Jan 79

Leukocyte migration test for the study of immune reactivity in cases of Graves disease associated with infiltrative ophthalmopathy. Kálmán K, et al. **Acta Med Acad Sci Hung** 35(1):29–34, 1978

METABOLISM

Receptors, neurotransmitters and drug responses. Snyder SH. **N Engl J Med** 300(9):465–72, 1 Mar 79 (61 ref.)

Thyroid hormone action at the cell level (second of two parts). Sterling K. **N Engl J Med** 300(4):173–7, 25 Jan 79 (77 ref.)

Pathways of metabolism of thyroid hormones. Chopra IJ, et al. **Recent Prog Horm Res** 34:521–67, 1978 (132 ref.)

[Effect of the thyroid metabolism on the elevation of plasma cyclic AMP after injection of glucagon] Jäckel W, et al. **Verh Dtsch Ges Inn Med** (84):1419–22, 1978 **(Ger)**

[Clinical importance of the serum magnesium concentration in hyperthyroidism] Wuttke H, et al. **Verh Dtsch Ges Inn Med** (84):1422–5, 1978 **(Ger)**

OCCURRENCE

Serum thyrotrophin and circulating thyroglobulin and thyroid microsomal antibodies in a Finnish population. Gordin A, et al. **Acta Endocrinol (Copenh)** 90(1):33–42, Jan 79

PATHOLOGY

Nuclear segmentation in goitre aspirates. Nilsson G. **Acta Pathol Microbiol Scand [A]** 87(1):11–3, Jan 79

[Quantitative study of Purkinje cell perikaryon synaptogenesis. Effects of thyroid hormones and of heat value restriction of food intake on synaptic densities evolution (author's transl)] Rebière A, et al. **Acta Neuropathol (Berl)** 45(2):117–28, 15 Feb 79 (Eng. Abstr.) **(Fre)**

[Hyperthyroidism (author's transl)] Studer H. **Langenbecks Arch Chir** 347:119–23, Nov 78 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Modifications of dermatoglyphics in thyreopathy. Ciovîrnache M, et al. **Endocrinologie** 16(4):277–86, Oct–Dec 78

Compliance of peripheral capacitance vessels in patients with various kinds of edema. Kato M, et al. **Jpn Circ J** 42(9):1057–63, Sep 78

Two varieties of the onset of atrial fibrillation studied by monophasic action potential recording. Cotoi S, et al. **Jpn Heart J** 19(4):479–84, Jul 78

Thyroid hormone action at the cell level (second of two parts). Sterling K. **N Engl J Med** 300(4):173–7, 25 Jan 79 (77 ref.)

[Influence of thyroid state on noise-induced cochlea damage (author's transl)] Berndt H, et al. **Arch Otorhinolaryngol** 221(3):183–7, 31 Oct 78 (Eng. Abstr.) **(Ger)**

[Basal metabolism and external respiration in thyrotoxicosis] Dubrovskiĭ AA. **Vestn Khir** 121(12):57–9, Dec 78 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Simple, rapid thyroid function testing with 99mTc-pertechnetate thyroid uptake ratio and neck/thigh ratio. Schneider PB. **AJR** 132(2):249–53, Feb 79

[Surgery of hyperthyroidism: introduction (author's transl)] Heberer G. **Langenbecks Arch Chir** 347:115–7, Nov 78 (Eng. Abstr.) **(Ger)**

[Hyperthyroidism: diagnosis (author's transl)] Horster FA. **Langenbecks Arch Chir** 347:125–30, Nov 78 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

Relation between severity of thyrotoxicosis and response to 131I therapy. Olsen KJ, et al. **Acta Radiol Oncol Radiat Phys Biol** 17(6):517–23, 1978

Isolated high serum triiodothyronine levels. Clinical relevance after sodium iodide I 131 therapy. Soler NG, et al. **Arch Intern Med** 139(1):36–8, Jan 79

Review of patients after 131I treatment for thyrotoxicosis [letter] Hedley AJ, et al. **Br Med J** 2(6151):1569, 2 Dec 78

[Judgement of the effectivity of radioiodine therapy of thyreotoxicosis according to results of the radioimmunological determination of the thyrotropic pituitary hormone (author's transl)] Livergant JE, et al. **Radiobiol Radiother (Berl)** 19(5):632–6, Oct 78 (Eng. Abstr.)

(Ger)

[Treatment of thyrotoxicosis with 125-iodine: results in 93 patients 3 to 5 years after treatment, and comparison with 131-iodine therapy (author's transl)] Glanzmann Ch, et al. **Strahlentherapie** 155(1):1-5, Jan 79 (Eng. Abstr.) (Ger)

[Effects of the length of radioiodine treatment of hyperthyroidism on the distribution of blood levels of calcium and phosphorus as a function of sex and age] Mazzuoli GF, et al. **Minerva Med** 69(60):4181-92, 8 Dec 78 (Eng. Abstr.) (Ita)

[Experience in the treatment of hyperthyroidism with I-131] Lanaro AE. **Bol Asoc Med PR** 70(11):382-5, Nov 78 (Spa)

SURGERY

Thyrotoxicosis during pregnancy. Pekonen F, et al. **Ann Chir Gynaecol** 67(5):165-73, 1978 (100 ref.)

[Round-table discussion: surgery in hyperthyroidism] **Langenbecks Arch Chir** 347:157-8, Nov 78 (Ger)

[Surgery of hyperthyroidism: introduction (author's transl)] Heberer G. **Langenbecks Arch Chir** 347:115-7, Nov 78 (Eng. Abstr.) (Ger)

[Hyperthyroidism (author's transl)] Studer H. **Langenbecks Arch Chir** 347:119-23, Nov 78 (Eng. Abstr.) (Ger)

[Beta blockaders and premedication in thyrotoxicosis surgery (editorial)] Haugen HN. **Tidsskr Nor Laegeforen** 99(2):80, 20 Jan 79 (Nor)

[Beta adrenergic blockade and subtotal thyroidectomy in thyrotoxic patients. A prospective study in 30 patients treated with propranolol] Solem JH, et al. **Tidsskr Nor Laegeforen** 99(2):81-2, 20 Jan 79 (Nor)

[Indices of cortisol binding to plasma proteins in the course of surgical treatment of hyperthyroidism] Puchalski Z. **Pol Przegl Chir** 50(9):761-4, Sep 78 (Eng. Abstr.) (Pol)

[Blood serum properdin level in patients with thyrotoxicosis] Diachuk IA, et al. **Klin Khir** (12):15-7, Dec 78 (Eng. Abstr.) (Rus)

[Surgical treatment of goiter and thyrotoxicosis] Vasilev NB. **Vestn Khir** 121(11):43-8, Nov 78 (Eng. Abstr.) (Rus)

THERAPY

Association of hyperthyroidism with idiopathic thrombocytopenic purpura and haemolytic anaemia. Branehög I, et al. **Acta Med Scand** 205(1-2):125-31, 1979

Cutaneous thickening in hyperthyroidism treated with radioactive iodine and sotalol [letter] Michel JP, et al. **Lancet** 1(8106):54-5, 6 Jan 79

[Conservative treatment of other forms of hyperthyroidism (author's transl)] Reinwein D. **Langenbecks Arch Chir** 347:145-50, Nov 78 (Eng. Abstr.) (Ger)

[Clinical significance of 'sub- or preclinical' hyperthyroidism] Studer H, et al. **Schweiz Med Wochenschr** 108(51):2029-33, 23 Dec 78 (Eng. Abstr.) (Ger)

HYPOTHYROIDISM

9th annual meeting of the European Thyroid Association. Abstracts. Berlin-4--8 September 1978. **Ann Endocrinol (Paris)** 39(5):1A-62A, 1978

[Amelogenesis imperfecta--a case with multiple retentions] Lehmann H. **Tandlaegebladet** 83(2):38-42, Jan 79 (Eng. Abstr.) (Dan)

BLOOD

Relative increase of serum reverse T3 in patients with hypothyroidism. Banovac K, et al. **Ann Endocrinol (Paris)** 39(5):387-91, 1978

Serum prolactin levels in hypothyroidism. Sheeler LR, et al. **Cleve Clin Q** 45(4):307-10, Winter 78

An assessment under routine conditions of an immunoelectrophoretic assay for thyroxine-binding globulin. Attwood EC, et al. **Clin Biochem** 11(6):226-9, Dec 78

Stability of dried blood spots on paper, as used in screening neonates for hypothyroidism. Davis G, et al. **Clin Chem** 25(1):24-5, Jan 79

Gas-liquid chromatographic determination of mono- and diiodotyrosines in serum. Davis LG, et al. **Clin Chem** 25(2):218-20, Feb 79

Plasma cyclic AMP response to glucagon as an index of tissue responsiveness to thyroid hormone. Paisey R, et al. **Diabete Metab** 4(4):267-70, Dec 78

Adolescent secondary amenorrhea: association with hypothalamic hypothyroidism. Kramer MS, et al. **J Pediatr** 94(2):300-3, Feb 79

[Early detection of congenital hypothyroidism--determination of total thyroxine using the RIA T4 spot-ostion method (author's transl)] Kračmar P, et al. **Cas Lek Cesk** 117(46):1436-9, 1978 (Eng. Abstr.) (Cze)

CHEMICALLY INDUCED

Iodine-induced hypothyroidism and its effect on the severity of asthma. Korsager S, et al. **Acta Med Scand** 205(1-2):115-7, 1979

Correlation of DNA accumulation rate with thymidylate synthetase activity in developing rat cerebellum: effect of hypothyroidism. Clark BR, et al. **Biol Neonate** 34(5-6):209-16, 1978

[Danger of iodine drugs in the pregnant woman] Crepin G, et al. **Phlebologie** 31(3):279-85, Jul-Sep 78 (Eng. Abstr.) (Fre)

[Changed body composition by increased total body fat content in experimentally hypothyroid rats] Ratzmann L, et al. **Endokrinologie** 72(2):166-74, May 78 (Eng. Abstr.) (Ger)

CLASSIFICATION

Primary hypothyroidism: A case report. Pray RR. **J Iowa Med Soc** 69(2):47-50, Feb 79

COMPLICATIONS

Iodine-induced hypothyroidism and its effect on the severity of asthma. Korsager S, et al. **Acta Med Scand** 205(1-2):115-7, 1979

Neurologic complications of thyroid dysfunction. Kudrjavcev T. **Adv Neurol** 19:619-36, 1978

Intermittent ophthalmoplegia [letter] Smith JF. **Br Med J** 1(6156):124-5, 13 Jan 79

Slipped capital femoral epiphysis in a 35-year-old man (a case report). Al-Aswad BI, et al. **Clin Orthop** (134):131-4, Jul-Aug 78

Electrocochleography in congenital hypothyroidism. Mendel D, et al. **Dev Med Child Neurol** 20(5):664-7, Oct 78

Adolescent secondary amenorrhea: association with hypothalamic hypothyroidism. Kramer MS, et al. **J Pediatr** 94(2):300-3, Feb 79

Brain deviations in adult obese-hyperglycemic mice (ob/ob). van der Kroon PH, et al. **Metabolism** 28(1):1-3, Jan 79

Endocrinologic aspects of failure to thrive. Abrams CA. **Pediatr Ann** 7(11):760-6, Nov 78

[Influence of thyroid state on noise-induced cochlea damage (author's transl)] Berndt H, et al. **Arch Otorhinolaryngol** 221(3):183-7, 31 Oct 78 (Eng. Abstr.) (Ger)

[Hypacusis in acquired hypothyroidism (author's transl)] Jahnke K, et al. **HNO** 27(1):1-6, Jan 79 (Eng. Abstr.) (Ger)

[Hyperlipoproteinemias in childhood] Czerny B. **Kinderaerztl Prax** 46(11):561-9, Nov 78 (34 ref.) (Ger)

CONGENITAL

Electrocochleography in congenital hypothyroidism. Mendel D, et al. **Dev Med Child Neurol** 20(5):664-7, Oct 78

Brain deviations in adult obese-hyperglycemic mice (ob/ob). van der Kroon PH, et al. **Metabolism** 28(1):1-3, Jan 79

[Early detection of congenital hypothyroidism--determination of total thyroxine using the RIA T4 spot-ostion method (author's transl)] Kračmar P, et al. **Cas Lek Cesk** 117(46):1436-9, 1978 (Eng. Abstr.) (Cze)

[The neonatal detection of congenital hypothyroidism (author's transl)] Farriaux JP, et al. **Nouv Presse Med** 7(36):3241-4, 21 Oct 78 (Eng. Abstr.) (Fre)

[Danger of iodine drugs in the pregnant woman] Crepin G, et al. **Phlebologie** 31(3):279-85, Jul-Sep 78 (Eng. Abstr.) (Fre)

[Oligosymptomatic manifestation of congenital hypothyroidism (author's transl)] Klabuschnigg A, et al. **Paediatr Paedol** 14(1):103-6, 1979 (Eng. Abstr.) (Ger)

[Hyperthyroidism and hypothyroidism in general practice. Diagnosis and therapy] Eickenbusch W. **ZFA (Stuttgart)** 55(3):132-43, 31 Jan 79 (Ger)

[Differential diagnosis of thyroid diseases using new methods. Migration inhibition tests (MIT), high-voltage electrophoresis and determination of reverse triiodothyronine (r-T3-RIA)] Miller A. **ZFA (Stuttgart)** 55(3):153-9, 31 Jan 79 (Ger)

DIAGNOSIS

Combined hypothalamic hypothyroidism and secondary adrenal insufficiency. Misdiagnosed as primary

hypothyroidism. Farese RV, et al. **Arch Intern Med** 139(1):99–100, Jan 79

Thyroid disease and pregnancy [letter] How J, et al. **Br Med J** 2(6151):1568–9, 2 Dec 78

Stability of dried blood spots on paper, as used in screening neonates for hypothyroidism. Davis G, et al. **Clin Chem** 25(1):24–5, Jan 79

Slipped capital femoral epiphysis in a 35–year–old man (a case report). Al–Aswad BI, et al. **Clin Orthop** (134):131–4, Jul–Aug 78

Primary hypothyroidism: A case report. Pray RR. **J Iowa Med Soc** 69(2):47–50, Feb 79

[The neonatal detection of congenital hypothyroidism (author's transl)] Farriaux JP, et al. **Nouv Presse Med** 7(36):3241–4, 21 Oct 78 (Eng. Abstr.) **(Fre)**

[Practical experiences with the TRH rapid test in the diagnosis of thyroid function] Weiske R, et al. **Med Welt** 30(4):123–30, 26 Jan 79 **(Ger)**

[Endogenic depression, organic psychosyndrome or hypothyroidism?] **MMW** 121(5):28, 2 Feb 79 **(Ger)**

[Oligosymptomatic manifestation of congenital hypothyroidism (author's transl)] Klabuschnigg A, et al. **Paediatr Paedol** 14(1):103–6, 1979 (Eng. Abstr.) **(Ger)**

[Hyperthyroidism and hypothyroidism in general practice. Diagnosis and therapy] Eickenbusch W. **ZFA (Stuttgart)** 55(3):132–43, 31 Jan 79 **(Ger)**

DRUG THERAPY

Hypertriiodothyroninemia in hypothyroidism treated with thyroglobulin. Morillo E, et al. **Am J Dis Child** 133(1):71–2, Jan 79

Electrocochleography in congenital hypothyroidism. Mendel D, et al. **Dev Med Child Neurol** 20(5):664–7, Oct 78

Pregnancy in untreated hypothyroidism. Boylan P, et al. **Ir J Med Sci** 148(1):10–11, Jan 79

Primary hypothyroidism: A case report. Pray RR. **J Iowa Med Soc** 69(2):47–50, Feb 79

Adolescent secondary amenorrhea: association with hypothalamic hypothyroidism. Kramer MS, et al. **J Pediatr** 94(2):300–3, Feb 79

Substitution of levothyroxine products [letter] Stoffer SS. **JAMA** 241(12):1229, 23 Mar 79

[A combination of thyroxine and triiodothyronine in the treatment of hypothyroidism (author's transl)] Felt V, et al. **Cas Lek Cesk** 117(46):1432–6, 1978 (Eng. Abstr.)**(Cze)**

[Therapeutical test of Euthyral in thirty one cases of hypothyroidism (author's transl)] Charbonnel B. **Sem Hop Paris** 54(41–42):1291–5, 18–25 Nov 78 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Effect of altered thyroid function on plasma creatine kinase clearance in the dog. Karlsberg RP, et al. **Am J Physiol** 235(6):E614–8, Dec 78

ETIOLOGY

Congenital hypopituitarism in female infants. Its association with hypoglycemia and hypothyroidism. Kauschansky A, et al. **Am J Dis Child** 133(2):165–9, Feb 79

Combined hypothalamic hypothyroidism and secondary adrenal insufficiency. Misdiagnosed as primary hypothyroidism. Farese RV, et al. **Arch Intern Med** 139(1):99–100, Jan 79

Review of patients after 131I treatment for thyrotoxicosis [letter] Hedley AJ, et al. **Br Med J** 2(6151):1569, 2 Dec 78

Thyroid disease and pregnancy [letter] How J, et al. **Br Med J** 2(6151):1568–9, 2 Dec 78

Hashimoto's thyroiditis presenting as T3 toxicosis. Mallya RK, et al. **Br Med J** 2(6151):1535–6, 2 Dec 78

Thyroid abnormalities following neck irradiation for Hodgkin's disease. Nelson DF, et al. **Cancer** 42(6):2553–62, Dec 78

Comparative follow–up of patients with hyperthyroidism treated with 131 or surgery. Alizadeh J, et al. **J Med Assoc Ga** 68(2):101–4, Feb 79

131I treated hypothyroidism and thyroid antibody levels. Vejjajiva S, et al. **J Med Assoc Thai** 62(2):51–3, Feb 79

Myxedema coma and inappropriate antidiuretic hormone secretion after deep neck irradiation: clinical implications and report of a case. Formeister JF, et al. **J Surg Oncol** 10(6):493–9, 1978

[Hypacusis in acquired hypothyroidism (author's transl)] Jahnke K, et al. **HNO** 27(1):1–6, Jan 79 (Eng. Abstr.) **(Ger)**

[Hyperthyroidism (author's transl)] Studer H. **Langenbecks Arch Chir** 347:119–23, Nov 78 (Eng. Abstr.) **(Ger)**

[Treatment of thyrotoxicosis with 125–iodine: results in 93 patients 3 to 5 years after treatment, and comparison with 131–iodine therapy (author's transl)] Glanzmann Ch, et al. **Strahlentherapie** 155(1):1–5, Jan 79 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Serum thyrotrophin and circulating thyroglobulin and thyroid microsomal antibodies in a Finnish population. Gordin A, et al. **Acta Endocrinol (Copenh)** 90(1):33–42, Jan 79

131I treated hypothyroidism and thyroid antibody levels. Vejjajiva S, et al. **J Med Assoc Thai** 62(2):51–3, Feb 79

METABOLISM

Correlation of DNA accumulation rate with thymidylate synthetase activity in developing rat cerebellum: effect of hypothyroidism. Clark BR, et al. **Biol Neonate** 34(5–6):209–16, 1978

Neurohypophyseal peptides in hypothyroid rats: plasma levels and kidney response. Seif SM, et al. **Metabolism** 28(2):137–43, Feb 79

Brain deviations in adult obese–hyperglycemic mice (ob/ob). van der Kroon PH, et al. **Metabolism** 28(1):1–3, Jan 79

Thyroid hormone action at the cell level (second of two parts). Sterling K. **N Engl J Med** 300(4):173–7, 25 Jan 79 (77 ref.)

Pathways of metabolism of thyroid hormones. Chopra IJ, et al. **Recent Prog Horm Res** 34:521–67, 1978 (132 ref.)

[Pituitary reserve of thyrotrophic hormone in hypothyroid children] Blaim A, et al. **Cesk Pediatr** 33(10):598–600, Oct 78 (Eng. Abstr.) **(Cze)**

[Effect of the thyroid metabolism on the elevation of plasma cyclic AMP after injection of glucagon] Jäckel W, et al. **Verh Dtsch Ges Inn Med** (84):1419–22, 1978 **(Ger)**

OCCURRENCE

Serum thyrotrophin and circulating thyroglobulin and thyroid microsomal antibodies in a Finnish population. Gordin A, et al. **Acta Endocrinol (Copenh)** 90(1):33–42, Jan 79

Occult hypothyroidism in a nursing home population. Gonzalez SM, et al. **Ariz Med** 36(1):24–5, Jan 79

PATHOLOGY

Congenital hypopituitarism in female infants. Its association with hypoglycemia and hypothyroidism. Kauschansky A, et al. **Am J Dis Child** 133(2):165–9, Feb 79

[Quantitative study of Purkinje cell perikaryon synaptogenesis. Effects of thyroid hormones and of heat value restriction of food intake on synaptic densities evolution (author's transl)] Rebière A, et al. **Acta Neuropathol (Berl)** 45(2):117–28, 15 Feb 79 (Eng. Abstr.) **(Fre)**

[Mechanisms of adaption of hepatocytes to a chronical hypothyroidism (a cytophotometrical and morphometrical study) (author's transl)] Riede UN, et al. **Pathol Res Pract** 162(4):398–419, Aug 78 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Effects of hypothyroidism on the response of the rat colon to morphine. Huidobro–Toro JP, et al. **Eur J Pharmacol** 52(2):191–5, 15 Nov 78

Adolescent secondary amenorrhea: association with hypothalamic hypothyroidism. Kramer MS, et al. **J Pediatr** 94(2):300–3, Feb 79

Thyroid hormone action at the cell level (second of two parts). Sterling K. **N Engl J Med** 300(4):173–7, 25 Jan 79 (77 ref.)

Minimal transit times. Feinendegen LE. **Nuklearmedizin** 17(5):185–93, Oct 78

Glomerulotubular dimensional readjustments during compensatory renal hypertrophy in the hypothyroid rat. Bradley SE, et al. **Yale J Biol Med** 51(3):327–30, May–Jun 78

[Changed body composition by increased total body fat content in experimentally hypothyroid rats] Ratzmann L, et al. **Endokrinologie** 72(2):166–74, May 78 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

131I treated hypothyroidism and thyroid antibody levels. Vejjajiva S, et al. **J Med Assoc Thai** 62(2):51–3, Feb 79

[The neonatal detection of congenital hypothyroidism (author's transl)] Farriaux JP, et al. **Nouv Presse Med** 7(36):3241–4, 21 Oct 78 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Psychological development of children and adolescents with hypothyroidism. Steinhausen HC, et al. **Acta Paedopsychiatr (Basel)** 44(2):77–84, Feb 79

RADIOGRAPHY

Retropharyngeal masses in infants and young children. McCook TA, et al. **Am J Dis Child** 133(1):41–3, Jan 79

RADIONUCLIDE IMAGING

Simple, rapid thyroid function testing with 99mTc-pertechnetate thyroid uptake ratio and neck/thigh ratio. Schneider PB. **AJR** 132(2):249–53, Feb 79

[Hypacusis in acquired hypothyroidism (author's transl)] Jahnke K, et al. **HNO** 27(1):1–6, Jan 79 (Eng. Abstr.) **(Ger)**

MYXEDEMA

BLOOD

The T4/TBG ratio and the investigation of thyroid function. Attwood EC, et al. **Clin Biochem** 11(5):218–21, Oct 78

Aldosterone in myxoedema [letter] Olgaard K, et al. **Lancet** 1(8109):218, 27 Jan 79

Delayed healing of mandibular fracture in idiopathic myxedema. Loftus MJ, et al. **Oral Surg** 47(3):233–7, Mar 79

COMPLICATIONS

[Development of thyrotoxicosis following verified myxedema] Perrild H. **Ugeskr Laeger** 141(8):518–20, 19 Feb 79 (Eng. Abstr.) **(Dan)**

DRUG THERAPY

Pitfalls in geriatric medicine. Prinsley D. **Aust Fam Physician** 7(10):1317–23, Oct 78

[Development of thyrotoxicosis following verified myxedema] Perrild H. **Ugeskr Laeger** 141(8):518–20, 19 Feb 79 (Eng. Abstr.) **(Dan)**

ETIOLOGY

Successful treatment of exophthalmos and pretibial myxoedema with plasmapheresis. Dandona P, et al. **Br Med J** 1(6160):374–6, 10 Feb 79

Myxedema coma and inappropriate antidiuretic hormone secretion after deep neck irradiation: clinical implications and report of a case. Formeister JF, et al. **J Surg Oncol** 10(6):493–9, 1978

METABOLISM

Intra- and extravascular distribution of albumin and immunoglobulin in man. Rossing N. **Lymphology** 11(4):138–42, Dec 78

PHYSIOPATHOLOGY

Modifications of dermatoglyphics in thyreopathy. Ciovîrnache M, et al. **Endocrinologie** 16(4):277–86, Oct–Dec 78

Delayed healing of mandibular fracture in idiopathic myxedema. Loftus MJ, et al. **Oral Surg** 47(3):233–7, Mar 79

THERAPY

Successful treatment of exophthalmos and pretibial myxoedema with plasmapheresis. Dandona P, et al. **Br Med J** 1(6160):374–6, 10 Feb 79

THYROID DISEASES

[Unusual localizations of hydatid cysts] Lazăr C, et al. **Rev Chir [Chir]** 27(5):333–7, Sep–Oct 78 (Eng. Abstr.) **(Rum)**

BLOOD

A critical analysis of some thyroid function tests. Reviczky A, et al. **Acta Med Acad Sci Hung** 34(3):129–37, 1977

Thyroid abnormalities following neck irradiation for Hodgkin's disease. Nelson DF, et al. **Cancer** 42(6):2553–62, Dec 78

Demonstration and characterization of thyroglobulin-binding peripheral blood cells in Hashimoto patients by fluoroimmunocytoadherence. Richter E, et al. **Clin Immunol Immunopathol** 11(2):178–89, Oct 78

Thyroglobulin in benign and malignant thyroid disease. Gerfo PL, et al. **JAMA** 241(9):923–4, 2 Mar 79

[Differential diagnosis of thyroid diseases using new methods. Migration inhibition tests (MIT), high-voltage electrophoresis and determination of reverse triiodothyronine (r-T3-RIA)] Miller A. **ZFA (Stuttgart)** 55(3):153–9, 31 Jan 79 **(Ger)**

[Evaluation of TSH 'Eiken'] Makino E, et al. **Horumon To Rinsho** 26(10):1067–70, Oct 78 **(Jpn)**

[Studies of TSH radioimmunoassay kit, 'Eiken'] Shizume K, et al. **Horumon To Rinsho** 26(10):1063–6, Oct 78 **(Jpn)**

[Serum growth hormone determination with a radioimmunoassay kit] Yonezawa K, et al. **Horumon To Rinsho** 26(10):1059–62, Oct 78 **(Jpn)**

[Measurement of reverse triiodothyronine (rT3) by direct radioimmunoassay: Serum rT3 distribution and correlation with triiodothyronine (T3), thyroxine (T4) and free thyroxine index (FTI) in various thyroid economy (author's transl)] Bunko H, et al. **Kaku Igaku** 15(7):1033–41, Oct 78 **(Jpn)**

[Fundamental and clinical studies on the measurement of serum thyroxine by CK-R4A kit (author's transl)] Shigemasa C, et al. **Kaku Igaku** 15(7):1043–8, Oct 78 **(Jpn)**

[The effects of premedication on thyroid hormone T3, T4 and R.S.U. in man (author's transl)] Nishimura C, et al. **Masui** 27(13):1575–9, Dec 78 (Eng. Abstr.) **(Jpn)**

[Determination of triiodothyronine in serum by gammacoat T3 (author's transl)] Kinoshita F, et al. **Radioisotopes** 27(8):466–9, Aug 78 **(Jpn)**

[Determination of thyroxine in serum by gammacoat T4 (author's transl)] Kinoshita F, et al. **Radioisotopes** 27(8):470–3, Aug 78 **(Jpn)**

COMPLICATIONS

Primary autoimmune diabetes mellitus [letter] Gray RS, et al. **Br Med J** 2(6153):1715, 16 Dec 78

DIAGNOSIS

A critical analysis of some thyroid function tests. Reviczky A, et al. **Acta Med Acad Sci Hung** 34(3):129–37, 1977

Thyroid abnormalities following neck irradiation for Hodgkin's disease. Nelson DF, et al. **Cancer** 42(6):2553–62, Dec 78

An illustration of the technique of canonical analysis. Parker RD. **J Med Syst** 2(2):161–70, 1978

Thyroid function tests 1978. Clifton-Bligh P. **Med J Aust** 2(8):375–8, 7 Oct 78

Grey scale ultrasonic examination of the thyroid gland. Crocker EF, et al. **Med J Aust** 2(6):244–8, 9 Sep 78

Screening for thyrometabolic disorders. Pain RW, et al. **Med J Aust** 1(1):33–6, 14 Jan 78

[TRH test for efficient and rational thyroid diagnosis] Wenzel KW. **Dtsch Med Wochenschr** 104(7):229–34, 16 Feb 79 **(Ger)**

[Practical experiences with the TRH rapid test in the diagnosis of thyroid function] Weiske R, et al. **Med Welt** 30(4):123–30, 26 Jan 79 **(Ger)**

[Thermographic investigations of thyroid foci (author's transl)] Lampert K, et al. **ROEFO** 130(1):101–4, Jan 79 (Eng. Abstr.) **(Ger)**

[Goiter. Diagnosis and therapy in practice] Horster FA. **ZFA (Stuttgart)** 55(3):127–11, 31 Jan 79 **(Ger)**

[Differential diagnosis of thyroid diseases using new methods. Migration inhibition tests (MIT), high-voltage electrophoresis and determination of reverse triiodothyronine (r-T3-RIA)] Miller A. **ZFA (Stuttgart)** 55(3):153–9, 31 Jan 79 **(Ger)**

[Contrast of the grey scale and stable B-scan in the ultrasonic visualization of the thyroid gland] Durante E. **Minerva Med** 69(51):3491–508, 27 Oct 78 (Eng. Abstr.) **(Ita)**

[Role of thermovision in the diagnosis of surgical diseases of the thyroid gland] Vlasov IP. **Probl Endokrinol (Mosk)** 25(1):7–11, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

[Clinical value of the TRH stimulation test] Diez Jiménez L, et al. **Rev Clin Esp** 151(6):479–81, 31 Dec 78 **(Spa)**

DRUG THERAPY

[Effect of therapy using combined thyroid hormone

preparations on the hypothalamo-hypophyseal control system in children with thyroid-gland diseases] Hesse V, et al. **Cesk Pediatr** 33(11):664–6, Nov 78 (Eng. Abstr.) **(Cze)**

ETIOLOGY

Thyroid abnormalities following neck irradiation for Hodgkin's disease. Nelson DF, et al. **Cancer** 42(6):2553–62, Dec 78

FAMILIAL & GENETIC

A familial thyrocerebral-renal syndrome: a newly recognized disorder. Cutler EA, et al. **Birth Defects** 14(6B):265–74, 1978

IMMUNOLOGY

Thyroglobulin antibodies in thyroid disorders. Comparison of bentonite flocculation and tanned red cell agglutination test. Pasricha A, et al. **Indian J Pathol Microbiol** 21(2):147–50, Apr 78

Tests of thyroid function. Ahuja MM, et al. **J Assoc Physicians India** 26(2):109–18, Feb 78

Thyroid autoantibodies in the symptomless person [editorial] Whittingham S. **Med J Aust** 2(11):516–7, 18 Nov 78

[Auto:immunization symptoms in thyroid diseases] Węgier A, et al. **Pol Tyg Lek** 33(52):2011–3, 25 Dec 78 (30 ref.) **(Pol)**

METABOLISM

Tests of thyroid function. Ahuja MM, et al. **J Assoc Physicians India** 26(2):109–18, Feb 78

Triiodothyronine turnover studies in euthyroid patients with autonomous thyroid nodules. Bianchi R, et al. **Metabolism** 28(2):163–8, Feb 79

[Water and potassium metabolism in functional disturbances of the thyroid gland (author's transl)] Schober O, et al. **Nuklearmedizin** 17(6):254–7, Dec 78 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Incidence of thyroid disease associated with oral contraceptives. Frank P, et al. **Br Med J** 2(6151):1531, 2 Dec 78

[Thyroid gland examination of junior and senior high school girls] Ito S. **Horumon To Rinsho** 26(10):1093–5, Oct 78 **(Jpn)**

PATHOLOGY

Percutaneous needle aspiration biopsy. McLoughlin MJ, et al. **Can Med Assoc J** 119(11):1324–8, 9 Dec 78 (59 ref.)

[Intraoperative biopsy in surgical pathology of the thyroid] Taşcă C. **Endocrinologie** 16(4):301–2, Oct–Dec 78 **(Fre)**

PHYSIOPATHOLOGY

Modifications of dermatoglyphics in thyreopathy. Ciovîrnache M, et al. **Endocrinologie** 16(4):277–86, Oct–Dec 78

[Water and potassium metabolism in functional disturbances of the thyroid gland (author's transl)] Schober O, et al. **Nuklearmedizin** 17(6):254–7, Dec 78 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Incidence of thyroid disease associated with oral contraceptives. Frank P, et al. **Br Med J** 2(6151):1531, 2 Dec 78

RADIONUCLIDE IMAGING

[Thermographic investigations of thyroid foci (author's transl)] Lampert K, et al. **ROEFO** 130(1):101–4, Jan 79 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

Radio nuclides in radiotherapy. Gajaraj A. **J Assoc Physicians India** 26(2):71–8, Feb 78

SURGERY

[Intraoperative biopsy in surgical pathology of the thyroid] Taşcă C. **Endocrinologie** 16(4):301–2, Oct–Dec 78 **(Fre)**

THYROID GLAND

ABNORMALITIES

Congenital hypopituitarism in female infants. Its association with hypoglycemia and hypothyroidism. Kauschansky A, et al. **Am J Dis Child** 133(2):165–9, Feb 79

[Oligosymptomatic manifestation of congenital hypothyroidism (author's transl)] Klabuschnigg A, et al. **Paediatr Paedol** 14(1):103–6, 1979 (Eng. Abstr.) **(Ger)**

THYROID NEOPLASMS

[5 cases of intrathyroid metastasis] Haguenauer JP, et al. **J Fr Otorhinolaryngol** 27(9):597–605, Nov 78 **(Fre)**

[Therapy of primary oat-cell carcinoma of the larynx (author's transl)] Dietz R, et al. **Laryngol Rhinol Otol (Stuttg)** 57(12):1072–6, Dec 78 (Eng. Abstr.) **(Ger)**

[X-ray diagnosis of thyroid cancer metastasis into the bones] Volodina GI, et al. **Vestn Rentgenol Radiol** (6):56–60, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

BLOOD

Alterations in plasma norepinephrine concentration during surgical resection of pheochromocytoma. Feldman JM, et al. **Ann Surg** 188(6):758–68, Dec 78

Plasma norepinephrine response to standing in patients with pheochromocytoma or medullary carcinoma of the thyroid. Feldman JM, et al. **Arch Intern Med** 139(1):81–5, Jan 79

Endogenous serum TSH levels and metastatic survey scans in thyroid cancer patients using triiodothyronine withdrawal. Martin ND. **Clin Nucl Med** 3(10):401–3, Oct 78

Thyroglobulin in benign and malignant thyroid disease. Gerfo PL, et al. **JAMA** 241(9):923–4, 2 Mar 79

COMPLICATIONS

Alterations in plasma norepinephrine concentration during surgical resection of pheochromocytoma. Feldman JM, et al. **Ann Surg** 188(6):758–68, Dec 78

'Downhill' esophageal varices. A rare cause of upper gastrointestinal bleeding. Johnson LS, et al. **Arch Surg** 113(12):1463–4, Dec 78

Colonic and oesophageal disturbance in a patient with multiple endocrine neoplasia, type 2b. Cuthbert JA, et al. **Aust NZ J Med** 8(5):518–20, Oct 78

[Achalasia and the thyroid gland] Schomerus H, et al. **Verh Dtsch Ges Inn Med** (84):1601–3, 1978 **(Ger)**

[Brain edema as the first clinical manifestation of cancer of the internal organs in elderly persons] Kaplan SI. **Zh Nevropatol Psikhiatr** 79(1):46–7, 1979 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Carcinomatous pseudothyroiditis: a problem in differential diagnosis. Trokoudes KM, et al. **Can Med Assoc J** 119(8):896–8, 21 Oct 78

Renal metastases from well differentiated follicular thyroid carcinoma: a case report with light and electron microscopic findings. Davis RI, et al. **Cancer** 43(1):265–8, Jan 79 (21 ref.)

Retropharyngeal goitre. Shamim M. **J R Coll Surg Edinb** 23(6):367–8, Nov 78

Diagnosis of thyroid nodules. Use of fine-needle aspiration and needle biopsy. Miller JM, et al. **JAMA** 241(5):481–4, 2 Feb 79

Grey scale ultrasonic examination of the thyroid gland. Crocker EF, et al. **Med J Aust** 2(6):244–8, 9 Sep 78

Interrelationships between calcium, calcemic hormones and gastrointestinal hormones. Cooper CW, et al. **Recent Prog Horm Res** 34:259–83, 1978 (32 ref.)

[Gamma imaging and thin needle biopsy in diagnosis of thyroid cancer] Heikkinen J, et al. **Duodecim** 95(4):192–7, 1979 (Eng. Abstr.) **(Fin)**

[Cowden's disease (multiple hamartoma syndrome). Review of the literature in connection with 1 case] Civatte J, et al. **Ann Med Interne (Paris)** 129(10):593–9, Oct 78 (18 ref.) **(Fre)**

[Echography and thermography in the pathology of thyroid tumors. A study of 135 hypofixated nodules (author's transl)] Bellossi A. **Ann Radiol (Paris)** 21(6):409–10, Jul–Sep 78 (Eng. Abstr.) **(Fre)**

[5 cases of intrathyroid metastasis] Haguenauer JP, et al.

J Fr Otorhinolaryngol 27(9):597–605, Nov 78 (Fre)
[Follicular carcinoma with sarcomatoid dedifferentiation or thyroid gland carcinosarcoma?] Tscholl-Ducommun J. Schweiz Med Wochenschr 109(3):86–92, 20 Jan 79 (Eng. Abstr.) (Fre)
[Report on a huge serous retinal detachment with a large tumor of unknown origin presented in the last meeting of the diagnostic consultation (clinical conference)] Stangl R. Ber Zusammenkunft Dtsch Ophthalmol Ges (75):601–3, 1978 (Ger)
[TRH test for efficient and rational thyroid diagnosis] Wenzel KW. Dtsch Med Wochenschr 104(7):229–34, 16 Feb 79 (Ger)
[Thermographic investigations of thyroid foci (author's transl)] Lampert K, et al. ROEFO 130(1):101–4, Jan 79 (Eng. Abstr.) (Ger)
[Cyto and histopathological foundations in early tumor diagnosis] Georgii A. Verh Dtsch Ges Inn Med (84):556–66, 1978 (Ger)
[Endocrine diagnosis of medullary thyroid carcinoma] Raue F, et al. Verh Dtsch Ges Inn Med (84):591–4, 1978 (Ger)
[Therapy of thyroid carcinoma] Schumann C. Z Aerztl Fortbild (Jena) 72(24):1159–61, 15 Dec 78 (Ger)
[Benign and malignant tumors of the thyroid gland. Diagnosis and therapy in general practice] Wildmeister W. ZFA (Stuttgart) 55(3):144–52, 31 Jan 79 (Ger)
[Contrast of the grey scale and stable B-scan in the ultrasonic visualization of the thyroid gland] Durante E. Minerva Med 69(51):3491–508, 27 Oct 78 (Eng. Abstr.) (Ita)
[A case of reticulum cell sarcoma of the thyroid (author's transl)] Kusumoto S, et al. Rinsho Hoshasen 24(1):141–4, Jan 79 (Eng. Abstr.) (Jpn)
[Errors and hazards in the diagnosis of thyroid diseases] Mazchenko NS. Klin Khir (12):38–9, Dec 78 (Rus)
[Role of thermovision in the diagnosis of surgical diseases of the thyroid gland] Vlasov IP. Probl Endokrinol (Mosk) 25(1):7–11, Jan–Feb 79 (Eng. Abstr.) (Rus)
[Indications for the repeat operations in thyroid gland cancer] Demidov VP, et al. Vopr Onkol 24(12):69–73, 1978 (Eng. Abstr.) (Rus)
[Sarcomas of the thyroid gland] Shukhgalter IA, et al. Vopr Onkol 24(12):77–8, 1978 (Rus)
[Metastatic changes of the lungs in the carcinoma of the thyroid (author's transl)] Velojić D. Plucne Bolesti Tuberk 30(3):283–8, Jul–Sep 78 (Eng. Abstr.) (Scr)
[Clinical value of the TRH stimulation test] Diez Jiménez L, et al. Rev Clin Esp 151(6):479–81, 31 Dec 78 (Spa)

ETIOLOGY

Environmental causes of cancer in childhood. Miller RW. Adv Pediatr 25:97–119, 1978 (130 ref.)
Toxic autonomous thyroid nodule following neck irradiation. Scott RS, et al. Aust NZ J Med 8(5):521–2, Oct 78
Irradiation related thyroid cancer. History and current recommendations. Stockwell RM. Conn Med 43(2):63–7, Feb 79 (17 ref.)
Past radiation exposure as a factor in medical care. Lawrence GA. Hosp Pract 14(1):142–7, Jan 79
[Recurrent thyroid gland neoplasms] Demidov VP, et al. Vopr Onkol 24(11):53–8, 1978 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

Measurement of urinary epinephrine in screening for pheochromocytoma in multiple endocrine neoplasia type II. Hamilton BP, et al. Am J Med 65(6):1027–32, Dec 78

HISTORY

Irradiation related thyroid cancer. History and current recommendations. Stockwell RM. Conn Med 43(2):63–7, Feb 79 (17 ref.)

IMMUNOLOGY

Quantitative and functional assessment of peripheral T-lymphocytes in thyroid diseases. Grinblat J, et al. Acta Endocrinol (Copenh) 90(1):52–61, Jan 79
[Thyroid neoplasms and HL-A system] Májský A, et al. Z Gesamte Inn Med 33(21):797–8, 1 Nov 78 (Eng. Abstr.) (Ger)

METABOLISM

[Behavior of the thyrotropin reserve in subjects with 'hot' thyroid areas] Vattimo A, et al. Boll Soc Ital Biol Sper 54(2):137–40, 30 Jan 78 (Ita)
[Case of thyroid adenoma with variable scintiscans in an 18-year-old patient] Podkul D, et al. Wiad Lek 31(22):1625–8, 15 Nov 78 (Eng. Abstr.) (Pol)
[Protein biosynthesis in a cell-free protein synthesizing system from thyroid gland cancer cells] Atakhanova BA, et al. Vopr Med Khim 24(6):802–6, Nov-Dec 78 (Eng. Abstr.) (Rus)

OCCURRENCE

Thyroid carcinoma in black patients. Mosley EL, et al. J Natl Med Assoc 70(12):915–8, Dec 78
Occupational radiation exposure of women workers. Hunt VR. Prev Med 7(3):294–310, Sep 78

PATHOLOGY

Ectopic ACTH-MSH producing carcinoid tumor with multiple endocrine hyperplasia in a child. Amano S, et al. Acta Pathol Jpn 28(5):721–30, Sep 78
Ultrastructure of osteoclastoma-like giant cell tumor of thyroid. Cibull ML, et al. Am J Surg Pathol 2(4):401–5, Dec 78
Neoplastic angioendotheliosis. The case of the missed primary? Dolman CL, et al. Arch Neurol 36(1):5–7, Jan 79
Thyroglossal cyst carcinoma. Case presentation and a review of normal thyroglossal cysts. Stone AR, et al. Br J Clin Pract 32(8):233–7, Aug 78
Carcinomatous pseudothyroiditis: a problem in differential diagnosis. Trokoudes KM, et al. Can Med Assoc J 119(8):896–8, 21 Oct 78
Cytological and functional analysis of inflammatory infiltrates in human malignant tumors. I. Composition of the inflammatory infiltrates. Häyry P, et al. Eur J Immunol 8(12):866–71, Dec 78
Cytological and functional analysis of inflammatory infiltrates in human malignant tumors. II. Functional investigations of the infiltrating inflammatory cells. Tötterman TH, et al. Eur J Immunol 8(12):872–5, Dec 78
Chondrosarcoma of the uterus: report of a case and review of the literature. Clement PB. Hum Pathol 9(6):726–32, Nov 78
Thyroid carcinoma in black patients. Mosley EL, et al. J Natl Med Assoc 70(12):915–8, Dec 78
Malignant course of thyroid cancer [letter] Feder AS, et al. N Engl J Med 300(11):624–5, 15 Mar 79
[Cowden's disease (multiple hamartoma syndrome). Review of the literature in connection with 1 case] Civatte J, et al. Ann Med Interne (Paris) 129(10):593–9, Oct 78 (18 ref.) (Fre)
[2 cases of squamous cell carcinoma of the larynx associated with a thyroid papillary epithelioma] Bremond G, et al. J Fr Otorhinolaryngol 27(8):545–51, Oct 78 (Fre)
[5 cases of intrathyroid metastasis] Haguenauer JP, et al. J Fr Otorhinolaryngol 27(9):597–605, Nov 78 (Fre)
[Report on a huge serous retinal detachment with a large tumor of unknown origin presented in the last meeting of the diagnostic consultation (clinical conference)] Stangl R. Ber Zusammenkunft Dtsch Ophthalmol Ges (75):601–3, 1978 (Ger)
[Therapy of thyroid carcinoma] Schumann C. Z Aerztl Fortbild (Jena) 72(24):1159–61, 15 Dec 78 (Ger)
[A case of reticulum cell sarcoma of the thyroid (author's transl)] Kusumoto S, et al. Rinsho Hoshasen 24(1):141–4, Jan 79 (Eng. Abstr.) (Jpn)
[Undifferentiated large cell carcinoma of the thyroid. Anatomo-clinical study of 21 cases] Elsner B, et al. Medicina (B Aires) 38(4):378–88, Jul–Aug 78 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

Modifications of dermatoglyphics in thyreopathy. Ciovîrnache M, et al. Endocrinologie 16(4):277–86, Oct–Dec 78

RADIOGRAPHY

[Diagnostic value of arteriography to thyroid cancer situated in isthmus (author's transl)] Morita Y, et al. Rinsho Hoshasen 24(1):27–33, Jan 79 (Eng. Abstr.) (Jpn)

RADIONUCLIDE IMAGING

Endogenous serum TSH levels and metastatic survey scans in thyroid cancer patients using triiodothyronine withdrawal. Martin ND. Clin Nucl Med 3(10):401–3, Oct 78
The value of thallium-201 imaging in the diagnosis of thyroid carcinoma in a patient with negative 99mTc and 131I scans. Ueno K, et al. Clin Nucl Med 3(11):447–8, Nov 78

[Gamma imaging and thin needle biopsy in diagnosis of thyroid cancer] Heikkinen J, et al. **Duodecim** 95(4):192–7, 1979 (Eng. Abstr.) **(Fin)**

[Practical experiences with the TRH rapid test in the diagnosis of thyroid function] Weiske R, et al. **Med Welt** 30(4):123–30, 26 Jan 79 **(Ger)**

[Thermographic investigations of thyroid foci (author's transl)] Lampert K, et al. **ROEFO** 130(1):101–4, Jan 79 (Eng. Abstr.) **(Ger)**

[Behavior of the thyrotropin reserve in subjects with 'hot' thyroid areas] Vattimo A, et al. **Boll Soc Ital Biol Sper** 54(2):137–40, 30 Jan 78 **(Ita)**

[Clinical evaluation of tumor scintigraphy with 201Tl–chloride (author's transl)] Nakajima T, et al. **Radioisotopes** 27(8):477–80, Aug 78 **(Jpn)**

[Case of thyroid adenoma with variable scintiscans in an 18–year–old patient] Podkul D, et al. **Wiad Lek** 31(22):1625–8, 15 Nov 78 (Eng. Abstr.) **(Pol)**

[Scintigraphic diagnosis] Neto GA. **AMB** 21(7):230, Jul 75 **(Por)**

[Indications for the repeat operations in thyroid gland cancer] Demidov VP, et al. **Vopr Onkol** 24(12):69–73, 1978 (Eng. Abstr.) **(Rus)**

[Euthyroidism due to functioning metastasis of a follicular carcinoma of thyroid origin] Diez Jiménez L, et al. **Rev Clin Esp** 151(2):159–61, 31 Oct 78 **(Spa)**

RADIOTHERAPY

Hazards of 'low dose' irradiation to the head and neck [editorial] Kaplan EL. **Curr Surg** 35(6):371–2, Nov–Dec 78

Long–term survival of thyroid carcinoma with metastatic disease treated with radioiodine. Lackey RW. **Int J Nucl Med Biol** 5(6):255–9, 1978

Radio nuclides in radiotherapy. Gajaraj A. **J Assoc Physicians India** 26(2):71–8, Feb 78

[Monitoring of 131I in perspiration of thyroid carcinoma patients administered 131I for therapy (author's transl)] Ohara K, et al. **Kaku Igaku** 15(7):1049–53, Oct 78 (Eng. Abstr.) **(Jpn)**

[Apparatus for decontamination of the urine after radioiodine treatment of thyroid cancer (author's transl)] Oyamada H. **Radioisotopes** 27(10):592–4, Oct 78 **(Jpn)**

SURGERY

Ultrastructure of osteoclastoma–like giant cell tumor of thyroid. Cibull ML, et al. **Am J Surg Pathol** 2(4):401–5, Dec 78

'Downhill' esophageal varices. A rare cause of upper gastrointestinal bleeding. Johnson LS, et al. **Arch Surg** 113(12):1463–4, Dec 78

Carcinomatous pseudothyroiditis: a problem in differential diagnosis. Trokoudes KM, et al. **Can Med Assoc J** 119(8):896–8, 21 Oct 78

Retropharyngeal goitre. Shamim M. **J R Coll Surg Edinb** 23(6):367–8, Nov 78

Diagnosis of thyroid nodules. Use of fine–needle aspiration and needle biopsy. Miller JM, et al. **JAMA** 241(5):481–4, 2 Feb 79

[Surgery of hyperthyroidism: introduction (author's transl)] Heberer G. **Langenbecks Arch Chir** 347:115–7, Nov 78 (Eng. Abstr.) **(Ger)**

[The place of surgery in the modern treatment of cancer (author's transl)] Linder F. **Langenbecks Arch Chir** 347:435–48, Nov 78 (Eng. Abstr.) **(Ger)**

[Other forms of hyperthyroidism: indications and operative procedures (author's transl)] Riccabona G. **Langenbecks Arch Chir** 347:151–5, Nov 78 (Eng. Abstr.) **(Ger)**

[Therapy of thyroid carcinoma] Schumann C. **Z Aerztl Fortbild (Jena)** 72(24):1159–61, 15 Dec 78 **(Ger)**

[Benign and malignant tumors of the thyroid gland. Diagnosis and therapy in general practice] Wildmeister W. **ZFA (Stuttgart)** 55(3):144–52, 31 Jan 79 **(Ger)**

[Relation between adenoma and thyroid neoplasm] Cheren'ko MP, et al. **Klin Khir** (12):7–11, Dec 78 (Eng. Abstr.) **(Rus)**

[Errors and hazards in the diagnosis of thyroid diseases] Mazchenko NS. **Klin Khir** (12):38–9, Dec 78 **(Rus)**

[Surgical treatment of primary hyperparathyroidism] Tsarikovskaia NG, et al. **Klin Khir** (12):12–5, Dec 78 (Eng. Abstr.) **(Rus)**

[Indications for the repeat operations in thyroid gland cancer] Demidov VP, et al. **Vopr Onkol** 24(12):69–73, 1978 (Eng. Abstr.) **(Rus)**

THERAPY

Thyroid cancer in childhood. Doci R, et al. **Tumori** 64(6):649–57, Nov–Dec 78

[Conservative treatment of other forms of hyperthyroidism (author's transl)] Reinwein D. **Langenbecks Arch Chir** 347:145–50, Nov 78 (Eng. Abstr.) **(Ger)**

[Recurrent thyroid gland neoplasms] Demidov VP, et al. **Vopr Onkol** 24(11):53–8, 1978 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Ultrastructure of osteoclastoma–like giant cell tumor of thyroid. Cibull ML, et al. **Am J Surg Pathol** 2(4):401–5, Dec 78

Renal metastases from well differentiated follicular thyroid carcinoma: a case report with light and electron microscopic findings. Davis RI, et al. **Cancer** 43(1):265–8, Jan 79 (21 ref.)

URINE

Measurement of urinary epinephrine in screening for pheochromocytoma in multiple endocrine neoplasia type II. Hamilton BP, et al. **Am J Med** 65(6):1027–32, Dec 78

VETERINARY

Neoplasms in Tasmanian devils (Sarcophilus harrisii). Griner LA. **JNCI** 62(3):589–95, Mar 79

THYROIDITIS

BLOOD

Changes in thyroid hormones by treatment with aspirin and prednisolone in subacute thyroiditis with hyperthyroidism. Yamamoto M, et al. **Tohoku J Exp Med** 127(1):85–95, Jan 79

COMPLICATIONS

Changes in thyroid hormones by treatment with aspirin and prednisolone in subacute thyroiditis with hyperthyroidism. Yamamoto M, et al. **Tohoku J Exp Med** 127(1):85–95, Jan 79

DIAGNOSIS

Pitfalls in the laboratory diagnosis of atypical hyperthyroidism. Hamburger JI. **Arch Intern Med** 139(1):96–8, Jan 79

Carcinomatous pseudothyroiditis: a problem in differential diagnosis. Trokoudes KM, et al. **Can Med Assoc J** 119(8):896–8, 21 Oct 78

DRUG THERAPY

Changes in thyroid hormones by treatment with aspirin and prednisolone in subacute thyroiditis with hyperthyroidism. Yamamoto M, et al. **Tohoku J Exp Med** 127(1):85–95, Jan 79

ETIOLOGY

Microbial adjuvant and autoimmunity. III. Histological studies of development of experimental autoimmune thyroiditis in mice immunized with syngeneic thyroid extract together with the capsular polysaccharide of Klebsiella pneumoniae. Yokochi T, et al. **Microbiol Immunol** 22(10):619–30, 1978

[Thyroid gland abscess, laryngeal phlegmon and bilateral pneumonia with abscess formation as complications of influenza] Ponomarenko IE. **Zh Ushn Nos Gorl Bolezn** (6):92–3, Nov–Dec 78 **(Rus)**

IMMUNOLOGY

[HLA and diseases. Physiopathological role of major histocompatibility complex (continued)] Muller JY. **Rev Fr Transfus Immunohematol** 21(4):993–1019, Sep 78 **(Fre)**

[Subacute (de Quervain's) thyroiditis: immunogenetic study (author's transl)] Nyulassy S, et al. **Bratisl Lek Listy** 70(6):691–8, Dec 78 (Eng. Abstr.) **(Slo)**

PATHOLOGY

Microbial adjuvant and autoimmunity. III. Histological studies of development of experimental autoimmune thyroiditis in mice immunized with syngeneic thyroid extract together with the capsular polysaccharide of Klebsiella pneumoniae.

Yokochi T, et al. **Microbiol Immunol** 22(10):619–30, 1978

RADIONUCLIDE IMAGING

[Accumulation of 201Ti in subacute thyroiditis (author's transl)] Tonami N, et al. **Rinsho Hoshasen** 24(1):145–8, Jan 79 (Eng. Abstr.) **(Jpn)**

THYROIDITIS, LYMPHOMATOUS

BLOOD

Demonstration and characterization of thyroglobulin-binding peripheral blood cells in Hashimoto patients by fluoroimmunocytoadherence. Richter E, et al. **Clin Immunol Immunopathol** 11(2):178–89, Oct 78

COMPLICATIONS

Lymphocytic thyroiditis, myasthenia gravis and Turner syndrome. Chen H, et al. **Birth Defects** 14(6A):137–47, 1978

[Alopecia areata and trisomy 21. About 2 cases (author's transl)] Doutre MS, et al. **Ann Dermatol Venereol** 105(6–7):587–90, Jun-Jul 78 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Hashimoto's thyroiditis presenting as T3 toxicosis. Mallya RK, et al. **Br Med J** 2(6151):1535–6, 2 Dec 78

[Sarcomas of the thyroid gland] Shukhgalter IA, et al. **Vopr Onkol** 24(12):77–8, 1978 **(Rus)**

IMMUNOLOGY

Lymphocytic thyroiditis, myasthenia gravis and Turner syndrome. Chen H, et al. **Birth Defects** 14(6A):137–47, 1978

Thyroid-autoantibody synthesis by Hashimoto thyroid lymphocytes [letter] McLachlan SM, et al. **Lancet** 1(8108):162–3, 20 Jan 79

[Autoimmunization symptoms in thyroid diseases] Węgier A, et al. **Pol Tyg Lek** 33(52):2011–3, 25 Dec 78 (30 ref.) **(Pol)**

PATHOLOGY

The distribution of lymphocyte subpopulations in human tissue. Part II. Studies on detection of lymphocyte subpopulations infiltrating in the target organs of various autoimmune disorders. Koriyama K, et al. **Nippon Ketsueki Gakkai Zasshi** 41(1):72–80, Feb 78

PHYSIOPATHOLOGY

Hashimoto's thyroiditis presenting as T3 toxicosis. Mallya RK, et al. **Br Med J** 2(6151):1535–6, 2 Dec 78

VETERINARY

Autoimmune disease in the dog. Halliwell RE. **Adv Vet Sci Comp Med** 22:221–63, 1978

THYROID

III. *Thyroid Hormones, Precursors, Metabolites and Synthetic Analogs*

DEXTROTHYROXINE

THERAPEUTIC USE

Drug management of hypercholesterolemia. Martz BL. **Am Heart J** 97(3):389–98, Mar 79

DIIODOTHYRONINES

BIOSYNTHESIS

Effect of experimental chronic renal failure upon the synthesis of thyroid hormones in rats. Costa e Silva A, et al. **Nephron** 22(4–6):479–83, 1978

DIIODOTYROSINE

ANALOGS & DERIVATIVES

Gas–liquid chromatographic determination of mono– and diiodotyrosines in serum. Davis LG, et al. **Clin Chem** 25(2):218–20, Feb 79

BLOOD

Gas–liquid chromatographic determination of mono– and diiodotyrosines in serum. Davis LG, et al. **Clin Chem** 25(2):218–20, Feb 79

IODOTYROSINE

ANALOGS & DERIVATIVES

Gas–liquid chromatographic determination of mono– and diiodotyrosines in serum. Davis LG, et al. **Clin Chem** 25(2):218–20, Feb 79

Effect of experimental chronic renal failure upon the synthesis of thyroid hormones in rats. Costa e Silva A, et al. **Nephron** 22(4–6):479–83, 1978

BLOOD

Gas–liquid chromatographic determination of mono– and diiodotyrosines in serum. Davis LG, et al. **Clin Chem** 25(2):218–20, Feb 79

METABOLISM

Effect of experimental chronic renal failure upon the synthesis of thyroid hormones in rats. Costa e Silva A, et al. **Nephron** 22(4–6):479–83, 1978

THYROGLOBULIN

9th annual meeting of the European Thyroid Association. Abstracts. Berlin–4–8 September 1978. **Ann Endocrinol (Paris)** 39(5):1A–62A, 1978

ADVERSE EFFECTS

Hypertriiodothyroninemia in hypothyroidism treated with thyroglobulin. Morillo E, et al. **Am J Dis Child** 133(1):71–2, Jan 79

ANALYSIS

Leukocyte migration test for the study of immune reactivity in cases of Graves disease associated with infiltrative ophthalmopathy. Kálmán K, et al. **Acta Med Acad Sci Hung** 35(1):29–34, 1978

BIOSYNTHESIS

Isolation of thyroglobulin messenger RNA from rats: increased yield in propylthiouracil-induced hyperplasia. Scherberg NH. **Biochem Biophys Res Commun** 85(4):1415–23, 29 Dec 78

Enzymatic N–glycosylation of synthetic Asn–X–Thr containing peptides. Ronin C, et al. **FEBS Lett** 96(1):179–82, 1 Dec 78

Synthesis of polypeptide chains of thyroglobulin. Burkhardt AE, et al. **J Biol Chem** 254(5):1476–83, 10 Mar 79

[Protein biosynthesis in a cell–free protein synthesizing system from thyroid gland cancer cells] Atakhanova BA, et al. **Vopr Med Khim** 24(6):802–6, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

BLOOD

A critical analysis of some thyroid function tests. Reviczky A, et al. **Acta Med Acad Sci Hung** 34(3):129–37, 1977

Demonstration and characterization of thyroglobulin–binding peripheral blood cells in Hashimoto patients by fluoroimmunocytoadherence. Richter E, et al. **Clin Immunol Immunopathol** 11(2):178–89, Oct 78

Thyroglobulin in benign and malignant thyroid disease. Gerfo PL, et al. **JAMA** 241(9):923–4, 2 Mar 79

IMMUNOLOGY

Serum thyrotrophin and circulating thyroglobulin and thyroid microsomal antibodies in a Finnish population. Gordin A, et al. **Acta Endocrinol (Copenh)** 90(1):33–42, Jan 79

Immunological consequences of vasectomy: I. Prospective study through one–year postvasecotomy. Lucas PL, et al. **Arch Androl** 1(3):249–55, May 78

Thyroglobulin antibodies in thyroid disorders. Comparison of bentonite flocculation and tanned red cell agglutination test. Pasricha A, et al. **Indian J Pathol Microbiol** 21(2):147–50, Apr 78

Thyroid–autoantibody synthesis by Hashimoto thyroid lymphocytes [letter] McLachlan SM, et al. **Lancet** 1(8108):162–3, 20 Jan 79

Thyroid autoantibodies in an Australian community. Barbato MP. **Med J Aust** 2(11):511–2, 18 Nov 78

[Autoimmunization symptoms in thyroid diseases] Węgier A, et al. **Pol Tyg Lek** 33(52):2011–3, 25 Dec 78 (30 ref.) **(Pol)**

ISOLATION & PURIFICATION

Some disturbances related to iodination and utilisation of thyroglobulin and 27 S iodoprotein in non–toxic multinodular goitre. Sinadinović J, et al. **Endokrinologie** 72(2):155–65, May 78

Synthesis of polypeptide chains of thyroglobulin. Burkhardt AE, et al. **J Biol Chem** 254(5):1476–83, 10 Mar 79

METABOLISM

Some disturbances related to iodination and utilisation of thyroglobulin and 27 S iodoprotein in non–toxic multinodular goitre. Sinadinović J, et al. **Endokrinologie** 72(2):155–65, May 78

Strumal carcinoid of the ovary: histological, ultrastructural, and immunohistological studies with anti–human thyroglobulin. Ueda G, et al. **Gynecol Oncol** 6(5):411–9, Oct 78

Synthesis of polypeptide chains of thyroglobulin. Burkhardt AE, et al. **J Biol Chem** 254(5):1476–83, 10 Mar 79

PHARMACODYNAMICS

Proliferation of peripheral lymphoid cells from euthyroid and hyperthyroid individuals cultured with human thyroglobulin. Blomgren H, et al. **Acta Endocrinol (Copenh)** 90(2):227–32, Feb 79

THERAPEUTIC USE

Hypertriiodothyroninemia in hypothyroidism treated with thyroglobulin. Morillo E, et al. **Am J Dis Child** 133(1):71–2, Jan 79

THYROID HORMONES

9th annual meeting of the European Thyroid Association. Abstracts. Berlin–4–-8 September 1978. **Ann Endocrinol (Paris)** 39(5):1A–62A, 1978

ADMINISTRATION & DOSAGE

[Our experience with the management of pituitary dwarfism] Hníková O, et al. **Cesk Pediatr** 33(10):591–3, Oct 78 (Eng. Abstr.) **(Cze)**

ADVERSE EFFECTS

[Hormonal therapy; Its positive and negative aspects] Vasiukova EA, et al. **Klin Med (Mosk)** 56(12):8–15, Dec 78 **(Rus)**

BIOSYNTHESIS

Effect of experimental chronic renal failure upon the synthesis of thyroid hormones in rats. Costa e Silva A, et al. **Nephron** 22(4–6):479–83, 1978

The thyroid-–a gland in search of a function. Etkin W. **Perspect Biol Med** 22(1):19–30, Autumn 78

BLOOD

Thyroid and adrenomedullary reactions during sleep deprivation. Palmblad J, et al. **Acta Endocrinol (Copenh)** 90(2):233–9, Feb 79

Basal and TRH-stimulated thyroid and pituitary hormones in various degrees of renal insufficiency. Weissel M, et al. **Acta Endocrinol (Copenh)** 90(1):23–32, Jan 79

Severe hypothyroidism and the maturation of the rat cerebral cortex. Ruiz-Marcos A, et al. **Brain Res** 162(2):315–29, 23 Feb 79

Tests of thyroid function. Ahuja MM, et al. **J Assoc Physicians India** 26(2):109–18, Feb 78

Radioimmunoassay (RIA) and other saturation assay techniques in clinical medicine. Hazra DK, et al. **J Assoc Physicians India** 26(2):95–101, Feb 78

Adolescent secondary amenorrhea: association with hypothalamic hypothyroidism. Kramer MS, et al. **J Pediatr** 94(2):300–3, Feb 79

Serum concentration of pituitary, thyroid and gonadal hormones in nondialysed and dialysed males with chronic renal failure. Czekalski S, et al. **Proc Eur Dial Transplant Assoc** 15:599–600, 1978

Thyroid function in chronic renal failure, haemodialysis, and transplant patients. Frutos M, et al. **Proc Eur Dial Transplant Assoc** 15:619–21, 1978

Influence of haemoperfusion on plasma levels of hormones and beta-methyldigoxin. Kokot F, et al. **Proc Eur Dial Transplant Assoc** 15:604–6, 1978

Thyroid function in long term haemofiltration. Schneider H, et al. **Proc Eur Dial Transplant Assoc** 15:187–93, 1978

The effect of protein and carbohydrate in very low energy diets on thyroid hormone levels in overweight adults [proceedings] Byfield PG, et al. **Proc Nutr Soc** 37(3):102A, Dec 78

Effect of carbamazepine, phenytoin and phenobarbitone on serum levels of thyroid hormones and thyrotropin in humans. Rootwelt K, et al. **Scand J Clin Lab Invest** 38(8):731–6, Dec 78

[Hormones in ischemic heart disease with the presence of coronary atherosclerosis] Pivovarov VN, et al. **Kardiologiia** 18(12):30–6, Dec 78 (Eng. Abstr.) **(Rus)**

[Hormonal profile in blood serum of children with chronic gastroduodenitis] Zubovskiĭ GA, et al. **Vopr Okhr Materin Det** 23(11):17–22, Nov 78 (Eng. Abstr.) **(Rus)**

METABOLISM

Protein polypeptide hormones of the human fetus and placenta. Khan FS, et al. **Contrib Gynecol Obstet** 5:131–44, 1979 (97 ref.)

Thyroid hormone action at the cell level (second of two parts). Sterling K. **N Engl J Med** 300(4):173–7, 25 Jan 79 (77 ref.)

Pathways of metabolism of thyroid hormones. Chopra IJ, et al. **Recent Prog Horm Res** 34:521–67, 1978 (132 ref.)

Thyroid hormones: crystal structure, molecular conformation, binding, and structure-function relationships. Cody V. **Recent Prog Horm Res** 34:437–75, 1978 (80 ref.)

[Changes in the level and metabolism of a number of hormones (insulin, somatotropin, thyrotropin, thyroid hormones, ACTH and cortisol) in myocardial infarct in vitro and in vivo according to the radioisotope dilution tests] Leshchinskiĭ LA, et al. **Ter Arkh** 50(12):34–41, 1978 **(Rus)**

PHARMACODYNAMICS

The regulation of amino acid transport in animal cells. Guidotti GG, et al. **Biochim Biophys Acta** 515(4):329–66, 15 Dec 78 (430 ref.)

Vascular relaxation and aging. pp. 173–80. Berkowitz BA. **In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.** (37 ref.)

Vascular relaxation, aging and thyroid hormones. Parker RJ, et al. **Mech Ageing Dev** 8(6):397–405, Dec 78

Thyroid hormones: crystal structure, molecular conformation, binding, and structure-function relationships. Cody V. **Recent Prog Horm Res** 34:437–75, 1978 (80 ref.)

Thyroxine transport proteins of plasma. Molecular properties and biosynthesis. Robbins J, et al. **Recent Prog Horm Res** 34:477–519, 1978 (97 ref.)

The interactions between vitamin B6 and hormones. Rose DP. **Vitam Horm** 36:53–99, 1978 (218 ref.)

[Effect of therapy using combined thyroid hormone preparations on the hypothalamo-hypophyseal control system in children with thyroid-gland diseases] Hesse V, et al. **Cesk Pediatr** 33(11):664–6, Nov 78 (Eng. Abstr.) **(Cze)**

[A method for measuring energy turnover in laboratory rats and its application] Haupt W, et al. **Z Versuchstierkd** 20(6):321–7, 1978 (Eng. Abstr.) **(Ger)**

[The renin-angiotensin system in chronic idiopathic pituitary insufficiency] Levin GM, et al. **Medicina (B Aires)** 38(5):519–23, Sep-Oct 78 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Fetal hormones and fetal growth. Jost A. **Contrib Gynecol Obstet** 5:1–20, 1979 (91 ref.)

Insulin and growth hormone: regulators of growth with particular reference to muscle. Cheek DB, et al. **Kidney Int** 14(4):317–22, Oct 78 (41 ref.)

Psychoendocrinology. de la Fuente JR, et al. **Mayo Clin Proc** 54(2):109–18, Feb 79 (95 ref.)

Vascular relaxation, aging and thyroid hormones. Parker RJ, et al. **Mech Ageing Dev** 8(6):397–405, Dec 78

Thyroid hormone action at the cell level (second of two parts). Sterling K. **N Engl J Med** 300(4):173–7, 25 Jan 79 (77 ref.)

Delayed healing of mandibular fracture in idiopathic myxedema. Loftus MJ, et al. **Oral Surg** 47(3):233–7, Mar 79

The thyroid-–a gland in search of a function. Etkin W. **Perspect Biol Med** 22(1):19–30, Autumn 78

Endocrine factors in the modulation of food intake. Bray GA. **Proc Nutr Soc** 37(3):301–9, Dec 78 (53 ref.)

Mechanism of action of hypothalamic hormones in the anterior pituitary gland and specific modulation of their activity by sex steroids and thyroid hormones. Labrie F, et al. **Recent Prog Horm Res** 34:25–93, 1978 (175 ref.)

The interactions between vitamin B6 and hormones. Rose DP. **Vitam Horm** 36:53–99, 1978 (218 ref.)

[Endocrine ophthalmopathy in Graves disease during antithyroid drug therapy (author's transl)] Wuttke H, et al. **Klin Wochenschr** 57(2):69–74, 15 Jan 79 (Eng. Abstr.) **(Ger)**

[Dynamics and quantification of carbohydrate metabolism] Hinghofer-Szalkay H. **Wien Med Wochenschr** 129(1):1–8, 15 Jan 79 **(Ger)**

SECRETION

[Effect of the thyroid metabolism on the elevation of plasma cyclic AMP after injection of glucagon] Jäckel W, et al. **Verh Dtsch Ges Inn Med** (84):1419–22, 1978 **(Ger)**

THERAPEUTIC USE

[Effect of therapy using combined thyroid hormone preparations on the hypothalamo-hypophyseal control system in children with thyroid-gland diseases] Hesse V, et al. **Cesk Pediatr** 33(11):664–6, Nov 78 (Eng. Abstr.) **(Cze)**

[Hyperthyroidism and hypothyroidism in general practice. Diagnosis and therapy] Eickenbusch W. **ZFA (Stuttgart)** 55(3):132–43, 31 Jan 79 **(Ger)**

[Hormonal therapy; Its positive and negative aspects] Vasiukova EA, et al. **Klin Med (Mosk)** 56(12):8–15, Dec 78 **(Rus)**

[The renin-angiotensin system in chronic idiopathic pituitary insufficiency] Levin GM, et al. **Medicina (B Aires)**

38(5):519–23, Sep–Oct 78 (Eng. Abstr.) **(Spa)**

THYRONINES

METABOLISM

Dissociable and non-dissociable cytoplasmic protein-thyroid hormone interactions. Yoshida K, et al. **Biochim Biophys Acta** 582(2):332–45, 18 Jan 79

THYROXINE

Thyroxine-induced conformational changes in prealbumin. Irace G, et al. **Biochemistry** 17(26):5729–33, 26 Dec 78

ADMINISTRATION & DOSAGE

Intra-amniotic thyroxine (T4) absorption by the premature human foetus. Sack J, et al. **Acta Endocrinol (Copenh)** 90(2):361–4, Feb 79

Synaptosomal [125I]triiodothyronine after intravenous [125I]thyroxine. Dratman MB, et al. **Am J Physiol** 235(6):E638–47, Dec 78

Effect of thyroxine on permeability of the neonatal rat lung to drugs. Hemberger JA, et al. **Biol Neonate** 34(5–6):299–303, 1978

[Therapeutical test of Euthyral in thirty one cases of hypothyroidism (author's transl)] Charbonnel B. **Sem Hop Paris** 54(41–42):1291–5, 18–25 Nov 78 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Effect of altered thyroid function on plasma creatine kinase clearance in the dog. Karlsberg RP, et al. **Am J Physiol** 235(6):E614–8, Dec 78

Calcium transport ATPase of cardiac sarcoplasmic reticulum in experimental hyperthyroidism. Limas CJ. **Am J Physiol** 235(6):H745–52, Dec 78

ANALOGS & DERIVATIVES

Maleimide derivative of hapten for coupling to enzyme: a new method in enzyme immunoassay. Monji N, et al. **Biochem Biophys Res Commun** 85(2):671–7, 29 Nov 78

ANALYSIS

A methodological study in measuring T3 and T4 concentration in red and white skeletal muscle and plasma of euthyroid rats. Janssen JW, et al. **Acta Endocrinol (Copenh)** 90(1):81–9, Jan 79

Maleimide derivative of hapten for coupling to enzyme: a new method in enzyme immunoassay. Monji N, et al. **Biochem Biophys Res Commun** 85(2):671–7, 29 Nov 78

ANTAGONISTS & INHIBITORS

The effect of phenylthiocarbamide (PTC) on mouse brain development. Nydegger H, et al. **Experientia** 34(10):1319–20, 15 Oct 78

BLOOD

Effect of clomifene on thyroid function in normal men. Feldt-Rasmussen U, et al. **Acta Endocrinol (Copenh)** 90(1):43–51, Jan 79

Serum thyrotrophin and circulating thyroglobulin and thyroid microsomal antibodies in a Finnish population. Gordin A, et al. **Acta Endocrinol (Copenh)** 90(1):33–42, Jan 79

A methodological study in measuring T3 and T4 concentration in red and white skeletal muscle and plasma of euthyroid rats. Janssen JW, et al. **Acta Endocrinol (Copenh)** 90(1):81–9, Jan 79

Plasma cyclic nucleotide levels in hyperthyroidism. Lin T. **Acta Endocrinol (Copenh)** 90(1):62–8, Jan 79

Dual action of adrenergic system on the regulation of thyrotrophin secretion in the male rat. Männistö, et al. **Acta Endocrinol (Copenh)** 90(2):249–58, Feb 79

Thyroid and adrenomedullary reactions during sleep deprivation. Palmblad J, et al. **Acta Endocrinol (Copenh)** 90(2):233–9, Feb 79

Intra-amniotic thyroxine (T4) absorption by the premature human foetus. Sack J, et al. **Acta Endocrinol (Copenh)** 90(2):361–4, Feb 79

Basal and TRH-stimulated thyroid and pituitary hormones in various degrees of renal insufficiency. Weissel M, et al. **Acta Endocrinol (Copenh)** 90(1):23–32, Jan 79

A critical analysis of some thyroid function tests. Reviczky A, et al. **Acta Med Acad Sci Hung** 34(3):129–37, 1977

Serum concentrations of thyrotropin, thyroid hormones and thyroid hormone-binding proteins during acute and recovery stages of idiopathic respiratory distress syndrome. Jacobsen BB, et al. **Acta Paediatr Scand** 68(2):257–64, Mar 79

Relation between severity of thyrotoxicosis and response to 131I therapy. Olsen KJ, et al. **Acta Radiol Oncol Radiat Phys Biol** 17(6):517–23, 1978

Thyrotoxicosis during pregnancy. Pekonen F, et al. **Ann Chir Gynaecol** 67(5):165–73, 1978 (100 ref.)

Relative increase of serum reverse T3 in patients with hypothyroidism. Banovac K, et al. **Ann Endocrinol (Paris)** 39(5):387–91, 1978

Isolated high serum triiodothyronine levels. Clinical relevance after sodium iodide I 131 therapy. Soler NG, et al. **Arch Intern Med** 139(1):36–8, Jan 79

Thyroid function in dolphins: radioimmunoassay measurement of thyroid hormones. Greenwood AG, et al. **Br Vet J** 135(1):96–102, Jan–Feb 79

The effect of sodium bromide ingestion on the goitrogenic action of ethylenethiourea in the male rat. Newsome WH, et al. **Bull Environ Contam Toxicol** 20(5):678–86, Nov 78

The T4/TBG ratio and the investigation of thyroid function. Attwood EC, et al. **Clin Biochem** 11(5):218–21, Oct 78

Stability of dried blood spots on paper, as used in screening neonates for hypothyroidism. Davis G, et al. **Clin Chem** 25(1):24–5, Jan 79

Correction for the presence of cross-reactants in saturation assays: application to thyroxine cross-reactivity in 3,3',5'-(reverse)-triiodothyronine radioimmunoassay. Mathur H, et al. **Clin Chim Acta** 91(3):317–27, 1 Feb 79

Endogenous serum TSH levels and metastatic survey scans in thyroid cancer patients using triiodothyronine withdrawal. Martin ND. **Clin Nucl Med** 3(10):401–3, Oct 78

The effect of lactation on thyroid activity of women. Strbák V, et al. **Endokrinologie** 72(2):183–7, May 78

Changes in plasma thyroxine during smoltification of coho salmon, Oncorhynchus kisutch. Dickhoff WW, et al. **Gen Comp Endocrinol** 36(2):229–32, Oct 78

A comparative study of the annual cycles in sexual and thyroid function in male Peking ducks (Anas platyrhynchos) and teal (Anas crecca). Jallageas M, et al. **Gen Comp Endocrinol** 36(2):201–10, Oct 78

Variations in levels of plasma thyroxine and triiodothyronine in juvenile female chickens during 24- and 16-hr lighting cycles. Klandorf H, et al. **Gen Comp Endocrinol** 36(2):238–43, Oct 78

Effects of photoperiod and temperature on testicular and thyroid activity of the Japanese quail. Oishi T, et al. **Gen Comp Endocrinol** 36(2):250–4, Oct 78

Sex steroids and thyroid function tests: the role of estrogen and progestogen. Miyamoto J. **Int J Gynaecol Obstet** 16(1):28–33, 1978

Thyroid hormones in serum: effects of x-ray contrast media. Hanaghan J, et al. **Ir J Med Sci** 148(1):12–4, Jan 79

Triiodothyronine (T3) concentration and therapy in autistic children. Abbassi V, et al. **J Autism Child Schizophr** 8(4):383–7, Dec 78

A controlled crossover study of triiodothyronine in autistic children. Campbell M, et al. **J Autism Child Schizophr** 8(4):371–81, Dec 78

Immunoassay for serum thyroxine monitored by chemiluminescence. Schroeder HR, et al. **J Immunol Methods** 25(3):275–82, 1979

T3/T4 ratio in thyroid disease [letter] Amino N, et al. **Lancet** 1(8107):107, Jan 79

Physiological changes in rats exposed to cold/restraint stress. Beattie D. **Life Sci** 23(23):2307–13, 4 Dec 78

Thyroid function tests 1978. Clifton-Bligh P. **Med J Aust** 2(8):375–8, 7 Oct 78

Screening for thyrometabolic disorders. Pain RW, et al. **Med J Aust** 1(1):33–6, 14 Jan 78

Triiodothyronine turnover studies in euthyroid patients with autonomous thyroid nodules. Bianchi R, et al. **Metabolism** 28(2):163–8, Feb 79

Effect of tri-iodothyronine replacement on the metabolic and pituitary responses to starvation. Gardner DF, et al. **N Engl J Med** 300(11):579–84, 15 Mar 79

Nutritional evaluation of low-glucosinolate rapeseed meals obtained by various processes. Mukherjee KD, et al. **Nutr Metab** 23(1):1–10, 1979

Hydrocephalus and amenorrhea. Jawadi MH, et al. **Obstet Gynecol** 53(2):263–6, Feb 79

Response to thyrotrophin-releasing hormone in atrial dysrhythmias. Symons C, et al. **Postgrad Med J**

54(636):658–62, Oct 78

Thyroid function in long term haemofiltration. Schneider H, et al. **Proc Eur Dial Transplant Assoc** 15:187–93, 1978

The effect of protein and carbohydrate in very low energy diets on thyroid hormone levels in overweight adults [proceedings] Byfield PG, et al. **Proc Nutr Soc** 37(3):102A, Dec 78

Oxygen consumption in the spontaneously hypertensive rat. Wright GL, et al. **Proc Soc Exp Biol Med** 159(3):449–52, Dec 78

Effect of carbamazepine, phenytoin and phenobarbitone on serum levels of thyroid hormones and thyrotropin in humans. Rootwelt K, et al. **Scand J Clin Lab Invest** 38(8):731–6, Dec 78

Changes in thyroid hormones by treatment with aspirin and prednisolone in subacute thyroiditis with hyperthyroidism. Yamamoto M, et al. **Tohoku J Exp Med** 127(1):85–95, Jan 79

[Thyroxine and tsh levels in the serum of the burned (author's transl)] Doleček R, et al. **Cas Lek Cesk** 117(46):1439–40, 1978 (Eng. Abstr.) **(Cze)**

[Early detection of congenital hypothyroidism--determination of total thyroxine using the RIA T4 spot–ostion method (author's transl)] Kračmar P, et al. **Cas Lek Cesk** 117(46):1436–9, 1978 (Eng. Abstr.) **(Cze)**

[Decreased triiodothyronine (T3) production in constant reverse T3 production in advanced age] Smeulers J, et al. **Ned Tijdschr Geneeskd** 123(1):12–5, 6 Jan 79 (Eng. Abstr.) **(Dut)**

[Low triiodothyronine syndrome in non thyroidal diseases. Distribution and serum TSH concentration studies (author's transl)] Linquette M, et al. **Ann Endocrinol (Paris)** 39(4):303–12, Jul–Aug 78 (Eng. Abstr.) **(Fre)**

[The neonatal detection of congenital hypothyroidism (author's transl)] Farriaux JP, et al. **Nouv Presse Med** 7(36):3241–4, 21 Oct 78 (Eng. Abstr.) **(Fre)**

[Therapeutical test of Euthyral in thirty one cases of hypothyroidism (author's transl)] Charbonnel B. **Sem Hop Paris** 54(41–42):1291–5, 18–25 Nov 78 (Eng. Abstr.) **(Fre)**

[Plasma levels of 3,3', 5'–T3 (reverse–T3) under various functional thyroid conditions] Hüfner M, et al. **Acta Biol Med Ger** 37(3):447–52, 1978 (Eng. Abstr.)**(Ger)**

[Alteration of TSH secretion in children with goitre after short–term treatment with potassium iodide (author's transl)] Ranke M, et al. **Dtsch Med Wochenschr** 104(4):132–4, 26 Jan 79 (Eng. Abstr.) **(Ger)**

[TRH test for efficient and rational thyroid diagnosis] Wenzel KW. **Dtsch Med Wochenschr** 104(7):229–34, 16 Feb 79 **(Ger)**

[Familial coincidence of hypertrophic cardiomyopathies and thyroxine–binding globulin deficiency (athyropexinemia) (author's transl)] Kallee E, et al. **Klin Wochenschr** 56(24):1213–6, 15 Dec 78 (Eng. Abstr.) **(Ger)**

[Endocrine ophthalmopathy in Graves disease during antithyroid drug therapy (author's transl)] Wuttke H, et al. **Klin Wochenschr** 57(2):69–74, 15 Jan 79 (Eng. Abstr.) **(Ger)**

[Hyperthyroidism: diagnosis (author's transl)] Horster FA. **Langenbecks Arch Chir** 347:125–30, Nov 78 (Eng. Abstr.) **(Ger)**

[Practical experiences with the TRH rapid test in the diagnosis of thyroid function] Weiske R, et al. **Med Welt** 30(4):123–30, 26 Jan 79 **(Ger)**

[Comparative studies of commercially available T4–RIA–kits (author's transl)] Schmidt HA, et al. **Nuklearmedizin** 17(6):270–2, Dec 78 (Eng. Abstr.) **(Ger)**

[Comparative studies of commercially available T4–RIA–Kits (author's transl)] Schmidt HA, et al. **Nuklearmedizin** 17(6):273–6, Dec 78 (Eng. Abstr.) **(Ger)**

[Oligosymptomatic manifestation of congenital hypothyroidism (author's transl)] Klabuschnigg A, et al. **Paediatr Paedol** 14(1):103–6, 1979 (Eng. Abstr.) **(Ger)**

[Clinical significance of 'sub– or preclinical' hyperthyroidism] Studer H, et al. **Schweiz Med Wochenschr** 108(51):2029–33, 23 Dec 78 (Eng. Abstr.) **(Ger)**

[Treatment of thyrotoxicosis with 125–iodine: results in 93 patients 3 to 5 years after treatment, and comparison with i31–iodine therapy (author's transl)] Glanzmann Ch, et al. **Strahlentherapie** 155(1):1–5, Jan 79 (Eng. Abstr.) **(Ger)**

[Clinical importance of the serum magnesium concentration in hyperthyroidism] Wuttke H, et al. **Verh Dtsch Ges Inn Med** (84):1422–5, 1978 **(Ger)**

[Thyroid gland examination of junior and senior high school girls] Ito S. **Horumon To Rinsho** 26(10):1093–5, Oct 78 **(Jpn)**

[Serum thyroid hormone level in the healthy adult male] Kitani K, et al. **Horumon To Rinsho** 26(10):1043–9, Oct 78 **(Jpn)**

[Measurement of reverse triiodothyronine (rT3) by direct radioimmunoassay: Serum rT3 distribution and correlation with triiodothyronine (T3), thyroxine (T4) and free thyroxine index (FTI) in various thyroid economy (author's transl)] Bunko H, et al. **Kaku Igaku** 15(7):1033–41, Oct 78 **(Jpn)**

[Radioimmunoassay of thyroxine with polyethylene glycol (PEG) (author's transl)] Fuke T, et al. **Kaku Igaku** 15(7):1013–8, Oct 78 **(Jpn)**

[Fundamental and clinical studies on the measurement of serum thyroxine by CK–R4A kit (author's transl)] Shigemasa C, et al. **Kaku Igaku** 15(7):1043–8, Oct 78 **(Jpn)**

[The effects of premedication on thyroid hormone T3, T4 and R.S.U. in man (author's transl)] Nishimura C, et al. **Masui** 27(13):1575–9, Dec 78 (Eng. Abstr.) **(Jpn)**

[Determination of thyroxine in serum by gammacoat T4 (author's transl)] Kinoshita F, et al. **Radioisotopes** 27(8):470–3, Aug 78 **(Jpn)**

[Changes in energy metabolism body composition and hormone adaptation in childhood protein calorie malnutrition] Parra–Covarrubias A. **Gac Med Mex** 114(7):323–35, Jul 78 **(Spa)**

[Relation between the plasma levels of T3 and T4 in thyroid hyperfunction. T3 and T4 hyperthyroidism] Rubio Pérez P, et al. **Rev Clin Esp** 151(4):273–6, 30 Nov 78 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Correction for the presence of cross–reactants in saturation assays: application to thyroxine cross–reactivity in 3,3',5'–(reverse)–triiodothyronine radioimmunoassay. Mathur H, et al. **Clin Chim Acta** 91(3):317–27, 1 Feb 79

Immunoassay for serum thyroxine monitored by chemiluminescence. Schroeder HR, et al. **J Immunol Methods** 25(3):275–82, 1979

ISOLATION & PURIFICATION

Immunohistochemical localization of thyroid hormone in rat thyroid gland. Wilson M, et al. **J Histochem Cytochem** 26(12):1121–4, Dec 78

METABOLISM

Intra–amniotic thyroxine (T4) absorption by the premature human foetus. Sack J, et al. **Acta Endocrinol (Copenh)** 90(2):361–4, Feb 79

Synaptosomal [125I]triiodothyronine after intravenous [125I]thyroxine. Dratman MB, et al. **Am J Physiol** 235(6):E638–47, Dec 78

Role of thyroid gland in oxygen toxicity. Galton VA. **Am J Physiol** 235(6):E628–33, Dec 78

Dissociable and non–dissociable cytoplasmic protein–thyroid hormone interactions. Yoshida K, et al. **Biochim Biophys Acta** 582(2):332–45, 18 Jan 79

Intermittent ophthalmoplegia [letter] Smith JF. **Br Med J** 1(6156):124–5, 13 Jan 79

The formation of tri–iodothyronine and reverse tri–iodothyronine from thyroxine in isolated rat renal tubules. Heyma P, et al. **Clin Sci Mol Med** 55(6):567–72, Dec 78

Pathways of metabolism of thyroid hormones. Chopra IJ, et al. **Recent Prog Horm Res** 34:521–67, 1978 (132 ref.)

[Influence of thyroid state on noise–induced cochlea damage (author's transl)] Berndt H, et al. **Arch Otorhinolaryngol** 221(3):183–7, 31 Oct 78 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Metabolic responses to adrenaline and muscle glycogen content in dogs treated with thyroxine. Brzezińska Z, et al. **Acta Physiol Pol** 29(4):317–24, 1978

Control of hemoglobin synthesis in fetal erythroid cells by L–thyroxine. Fuhr JE, et al. **Am J Hematol** 5(2):163–8, 1978

Effect of altered thyroid function on plasma creatine kinase clearance in the dog. Karlsberg RP, et al. **Am J Physiol** 235(6):E614–8, Dec 78

Inhibitory effect of thyroxine on carbonic anhydrase B isozyme biosynthesis in rabbit reticulocyte lysates. Taniguchi N, et al. **Biochem Biophys Res Commun** 85(3):952–8, 14 Dec 78

Precocious induction of pepsinogen in the stomach of suckling mice by hormones. Kumegawa M, et al. **Biochim Biophys Acta** 543(2):243–50, 3 Oct 78

Effect of thyroxine on permeability of the neonatal rat lung to drugs. Hemberger JA, et al. **Biol Neonate** 34(5–6):299–303, 1978

Translational control of hepatic alpha2u globulin synthesis by growth hormone. Kurtz DT, et al. **Cell** 15(3):743–50, Nov

78
Effects of hormones on osteocyte function and perilacunar wall structure. Baud CA, et al. **Clin Orthop** (136):270–81, Oct 78 (81 ref.)
Comparison of the effect of various doses of thyroxine on jejunal disaccharidases in intact and adrenalectomized rats during the first 3 weeks of life. Jumawan J, et al. **Enzyme** 23(3):206–9, 1978
The effect of L-thyroxine, antithyroid substances and L-histidine on either form of catalase in guinea pig liver and brain. Harizanova M, et al. **Folia Med (Plovdiv)** 20(1):42–7, 1978
The effect of triiodothyronine on the transport and incorporation of amino acids by bullfrog tadpole tail fin cells. Frieden E, et al. **Gen Comp Endocrinol** 36(2):215–22, Oct 78
Hepatic mediation of hormonal and nutritional factors influencing the in vitro sulfur uptake by rainbow trout bone. Komourdjian MP, et al. **Gen Comp Endocrinol** 36(1):33–9, Sep 78
Osmoregulatory activity of prolactin in the skin of the crested newt. Lodi G, et al. **Gen Comp Endocrinol** 36(1):7–15, Sep 78
Quantitative histochemical and stereological study of alkaline phosphatase in the rat thyroid gland. Bykov VL, et al. **Histochemistry** 58(1–2):129–34, 24 Nov 78
Influences of thyroxine on cell proliferation in the retina of the clawed frog at different ages. Beach DH, et al. **J Comp Neurol** 183(3):615–23, 1 Feb 79
Cholinergic nerve development of fetal lung in vitro. Morikawa Y, et al. **J Pediatr Surg** 13(6D):653–61, Dec 78
The effect of thyroxine on (Na+, K+)-ATPase from the heart and the kidney of rabbit. Shimada K, et al. **Jpn Heart J** 19(5):754–61, Sep 78
Accelerating effects of dexamethasone and thyroxine on hypertension without accompanying stroke in stroke-prone spontaneously hypertensive rats. Nagaoka A, et al. **Life Sci** 24(1):71–7, 1 Jan 79
Adrenoceptor-mediated activation of liver glycogen phosphorylase: effects of thyroid state. Preiksaitis HG, et al. **Life Sci** 24(1):35–41, 1 Jan 79
Vascular relaxation, aging and thyroid hormones. Parker RJ, et al. **Mech Ageing Dev** 8(6):397–405, Dec 78
Hormonal regulation of cAMP-independent protein phosphokinase activities: thyroxine and cortisol control of enzymes from rat liver cytosol. Pavlovic-Hournac M, et al. **Mol Cell Endocrinol** 12(3):255–65, Dec 78
Thyroid hormone induces competence for oestrogen-dependent vitellogenin synthesis in developing Xenopus laevis liver. Huber S, et al. **Nature** 278(5699):65–7, 1 Mar 79
Heat production of lean and obese (Ob/Ob) mice in response to fasting, food restriction or thyroxine. Tuig JG, et al. **Proc Soc Exp Biol Med** 160(2):266–71, Feb 79
[Single i.v. doses of triiodothyronine and thyroxine administered to rats--local circulatory effects (author's transl)] Kapitola J, et al. **Cas Lek Cesk** 117(46):1441–2, 1978 (Eng. Abstr.) **(Cze)**
[Development of the response of rabbit fetal tissues to thyroxine] Salakhova NS, et al. **Biull Eksp Biol Med** 86(12):721–3, Dec 78 (Eng. Abstr.) **(Rus)**
[Hormonal regulation of the heart in aging] Frol'kis VV, et al. **Kardiologiia** 18(12):24–30, Dec 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Post-transcriptional stimulation of casein synthesis by thyroid hormone. Houdebine LM, et al. **Biochimie** 60(8):809–12, 1978
Hormonal regulation of the partition of energy between milk and body tissue in adult cattle. Bines JA, et al. **Proc Nutr Soc** 37(3):281–7, Dec 78 (39 ref.)
[Biology of breast cancer: current approaches to new treatment modalities (conclusion)] Nagel-Studer E, et al. **Schweiz Med Wochenschr** 108(52):2079–86, 30 Dec 78 **(Ger)**

SECRETION

[Daily variations in the secretion of several hormones in obesity] Epshtein EV. **Probl Endokrinol (Mosk)** 25(1):15–9, Jan-Feb 79 (Eng. Abstr.) **(Rus)**

STANDARDS

Substitution of levothyroxine products [letter] Stoffer SS. **JAMA** 241(12):1229, 23 Mar 79

THERAPEUTIC USE

Hypertriiodothyroninemia in hypothyroidism treated with thyroglobulin. Morillo E, et al. **Am J Dis Child** 133(1):71–2, Jan 79
Electrocochleography in congenital hypothyroidism. Mendel D, et al. **Dev Med Child Neurol** 20(5):664–7, Oct 78
Pregnancy in untreated hypothyroidism. Boylan P, et al. **Ir J Med Sci** 148(1):10–11, Jan 79
Adolescent secondary amenorrhea: association with hypothalamic hypothyroidism. Kramer MS, et al. **J Pediatr** 94(2):300–3, Feb 79
Substitution of levothyroxine products [letter] Stoffer SS. **JAMA** 241(12):1229, 23 Mar 79
[A combination of thyroxine and triiodothyronine in the treatment of hypothyroidism (author's transl)] Felt V, et al. **Cas Lek Cesk** 117(46):1432–6, 1978 (Eng. Abstr.)**(Cze)**
[Development of thyrotoxicosis following verified myxedema] Perrild H. **Ugeskr Laeger** 141(8):518–20, 19 Feb 79 (Eng. Abstr.) **(Dan)**
[Therapeutical test of Euthyral in thirty one cases of hypothyroidism (author's transl)] Charbonnel B. **Sem Hop Paris** 54(41–42):1291–5, 18–25 Nov 78 (Eng. Abstr.) **(Fre)**
[Goiter. Diagnosis and therapy in practice] Horster FA. **ZFA (Stuttgart)** 55(3):127–11, 31 Jan 79 **(Ger)**

URINE

Effect of tri-iodothyronine replacement on the metabolic and pituitary responses to starvation. Gardner DF, et al. **N Engl J Med** 300(11):579–84, 15 Mar 79

TRIIODOTHYRONINE

ADMINISTRATION & DOSAGE

Endogenous serum TSH levels and metastatic survey scans in thyroid cancer patients using triiodothyronine withdrawal. Martin ND. **Clin Nucl Med** 3(10):401–3, Oct 78
[Therapeutical test of Euthyral in thirty one cases of hypothyroidism (author's transl)] Charbonnel B. **Sem Hop Paris** 54(41–42):1291–5, 18–25 Nov 78 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Triiodothyronine (T3) concentration and therapy in autistic children. Abbassi V, et al. **J Autism Child Schizophr** 8(4):383–7, Dec 78
A controlled crossover study of triiodothyronine in autistic children. Campbell M, et al. **J Autism Child Schizophr** 8(4):371–81, Dec 78

ANALYSIS

A methodological study in measuring T3 and T4 concentration in red and white skeletal muscle and plasma of euthyroid rats. Janssen JW, et al. **Acta Endocrinol (Copenh)** 90(1):81–9, Jan 79

BIOSYNTHESIS

The formation of tri-iodothyronine and reverse tri-iodothyronine from thyroxine in isolated rat renal tubules. Heyma P, et al. **Clin Sci Mol Med** 55(6):567–72, Dec 78
[Decreased triiodothyronine (T3) production in constant reverse T3 production in advanced age] Smeulers J, et al. **Ned Tijdschr Geneeskd** 123(1):12–5, 6 Jan 79 (Eng. Abstr.) **(Dut)**

BLOOD

Effect of clomifene on thyroid function in normal men. Feldt-Rasmussen U, et al. **Acta Endocrinol (Copenh)** 90(1):43–51, Jan 79
A methodological study in measuring T3 and T4 concentration in red and white skeletal muscle and plasma of euthyroid rats. Janssen JW, et al. **Acta Endocrinol (Copenh)** 90(1):81–9, Jan 79
Plasma cyclic nucleotide levels in hyperthyroidism. Lin T. **Acta Endocrinol (Copenh)** 90(1):62–8, Jan 79
Dual action of adrenergic system on the regulation of thyrotrophin secretion in the male rat. Männistö, et al. **Acta Endocrinol (Copenh)** 90(2):249–58, Feb 79
Thyroid and adrenomedullary reactions during sleep

deprivation. Palmblad J, et al. **Acta Endocrinol (Copenh)** 90(2):233–9, Feb 79

Basal and TRH-stimulated thyroid and pituitary hormones in various degrees of renal insufficiency. Weissel M, et al. **Acta Endocrinol (Copenh)** 90(1):23–32, Jan 79

A critical analysis of some thyroid function tests. Reviczky A, et al. **Acta Med Acad Sci Hung** 34(3):129–37, 1977

Serum concentrations of thyrotropin, thyroid hormones and thyroid hormone-binding proteins during acute and recovery stages of idiopathic respiratory distress syndrome. Jacobsen BB, et al. **Acta Paediatr Scand** 68(2):257–64, Mar 79

Relation between severity of thyrotoxicosis and response to 131I therapy. Olsen KJ, et al. **Acta Radiol Oncol Radiat Phys Biol** 17(6):517–23, 1978

Hypertriiodothyroninemia in hypothyroidism treated with thyroglobulin. Morillo E, et al. **Am J Dis Child** 133(1):71–2, Jan 79

Effects of triiodothyronine on the anemia of chronic renal failure. Ferrer J, et al. **Am J Hematol** 5(2):139–43, 1978

Thyrotoxicosis during pregnancy. Pekonen F, et al. **Ann Chir Gynaecol** 67(5):165–73, 1978 (100 ref.)

Relative increase of serum reverse T3 in patients with hypothyroidism. Banovac K, et al. **Ann Endocrinol (Paris)** 39(5):387–91, 1978

Isolated high serum triiodothyronine levels. Clinical relevance after sodium iodide I 131 therapy. Soler NG, et al. **Arch Intern Med** 139(1):36–8, Jan 79

Thyroid function in dolphins: radioimmunoassay measurement of thyroid hormones. Greenwood AG, et al. **Br Vet J** 135(1):96–102, Jan–Feb 79

Correction for the presence of cross-reactants in saturation assays: application to thyroxine cross-reactivity in 3,3',5'-(reverse)-triiodothyronine radioimmunoassay. Mathur H, et al. **Clin Chim Acta** 91(3):317–27, 1 Feb 79

The effect of lactation on thyroid activity of women. Strbák V, et al. **Endokrinologie** 72(2):183–7, May 78

Variations in levels of plasma thyroxine and triiodothyronine in juvenile female chickens during 24- and 16-hr lighting cycles. Klandorf H, et al. **Gen Comp Endocrinol** 36(2):238–43, Oct 78

Effects of photoperiod and temperature on testicular and thyroid activity of the Japanese quail. Oishi T, et al. **Gen Comp Endocrinol** 36(2):250–4, Oct 78

Sex steroids and thyroid function tests: the role of estrogen and progestogen. Miyamoto J. **Int J Gynaecol Obstet** 16(1):28–33, 1978

Thyroid hormones in serum: effects of x-ray contrast media. Hanaghan J, et al. **Ir J Med Sci** 148(1):12–4, Jan 79

Triiodothyronine (T3) concentration and therapy in autistic children. Abbassi V, et al. **J Autism Child Schizophr** 8(4):383–7, Dec 78

A controlled crossover study of triiodothyronine in autistic children. Campbell M, et al. **J Autism Child Schizophr** 8(4):371–81, Dec 78

T3/T4 ratio in thyroid disease [letter] Amino N, et al. **Lancet** 1(8107):107, Jan 79

Thyroid function tests 1978. Clifton-Bligh P. **Med J Aust** 2(8):375–8, 7 Oct 78

Effect of tri-iodothyronine replacement on the metabolic and pituitary responses to starvation. Gardner DF, et al. **N Engl J Med** 300(11):579–84, 15 Mar 79

Nutritional evaluation of low-glucosinolate rapeseed meals obtained by various processes. Mukherjee KD, et al. **Nutr Metab** 23(1):1–10, 1979

Thyroid function in long term haemofiltration. Schneider H, et al. **Proc Eur Dial Transplant Assoc** 15:187–93, 1978

The effect of protein and carbohydrate in very low energy diets on thyroid hormone levels in overweight adults [proceedings] Byfield PG, et al. **Proc Nutr Soc** 37(3):102A, Dec 78

Oxygen consumption in the spontaneously hypertensive rat. Wright GL, et al. **Proc Soc Exp Biol Med** 159(3):449–52, Dec 78

Effect of carbamazepine, phenytoin and phenobarbitone on serum levels of thyroid hormones and thyrotropin in humans. Rootwelt K, et al. **Scand J Clin Lab Invest** 38(8):731–6, Dec 78

Changes in thyroid hormones by treatment with aspirin and prednisolone in subacute thyroiditis with hyperthyroidism. Yamamoto M, et al. **Tohoku J Exp Med** 127(1):85–95, Jan 79

[Decreased triiodothyronine (T3) production in constant reverse T3 production in advanced age] Smeulers J, et al. **Ned Tijdschr Geneeskd** 123(1):12–5, 6 Jan 79 (Eng. Abstr.) **(Dut)**

[Low triiodothyronine syndrome in non thyroidal diseases. Distribution and serum TSH concentration studies (author's transl)] Linquette M, et al. **Ann Endocrinol (Paris)** 39(4):303–12, Jul–Aug 78 (Eng. Abstr.) **(Fre)**

[Therapeutical test of Euthyral in thirty one cases of hypothyroidism (author's transl)] Charbonnel B. **Sem Hop Paris** 54(41–42):1291–5, 18–25 Nov 78 (Eng. Abstr.) **(Fre)**

[Plasma levels of 3,3', 5'-T3 (reverse-T3) under various functional thyroid conditions] Hüfner M, et al. **Acta Biol Med Ger** 37(3):447–52, 1978 (Eng. Abstr.)**(Ger)**

[TRH test for efficient and rational thyroid diagnosis] Wenzel KW. **Dtsch Med Wochenschr** 104(7):229–34, 16 Feb 79 **(Ger)**

[Familial coincidence of hypertrophic cardiomyopathies and thyroxine-binding globulin deficiency (athyropexinemia) (author's transl)] Kallee E, et al. **Klin Wochenschr** 56(24):1213–6, 15 Dec 78 (Eng. Abstr.) **(Ger)**

[Endocrine ophthalmopathy in Graves disease during antithyroid drug therapy (author's transl)] Wuttke H, et al. **Klin Wochenschr** 57(2):69–74, 15 Jan 79 (Eng. Abstr.) **(Ger)**

[Hyperthyroidism: diagnosis (author's transl)] Horster FA. **Langenbecks Arch Chir** 347:125–30, Nov 78 (Eng. Abstr.) **(Ger)**

[Practical experiences with the TRH rapid test in the diagnosis of thyroid function] Weiske R, et al. **Med Welt** 30(4):123–30, 26 Jan 79 **(Ger)**

[Clinical significance of 'sub- or preclinical' hyperthyroidism] Studer H, et al. **Schweiz Med Wochenschr** 108(51):2029–33, 23 Dec 78 (Eng. Abstr.) **(Ger)**

[Treatment of thyrotoxicosis with 125-iodine: results in 93 patients 3 to 5 years after treatment, and comparison with 131-iodine therapy (author's transl)] Glanzmann Ch, et al. **Strahlentherapie** 155(1):1–5, Jan 79 (Eng. Abstr.) **(Ger)**

[Clinical importance of the serum magnesium concentration in hyperthyroidism] Wuttke H, et al. **Verh Dtsch Ges Inn Med** (84):1422–5, 1978 **(Ger)**

[Thyroid gland examination of junior and senior high school girls] Ito S. **Horumon To Rinsho** 26(10):1093–5, Oct 78 **(Jpn)**

[Measurement of reverse triiodothyronine (rT3) by direct radioimmunoassay: Serum rT3 distribution and correlation with triiodothyronine (T3), thyroxine (T4) and free thyroxine index (FTI) in various thyroid economy (author's transl)] Bunko H, et al. **Kaku Igaku** 15(7):1033–41, Oct 78 **(Jpn)**

[The effects of premedication on thyroid hormone T3, T4 and R.S.U. in man (author's transl)] Nishimura C, et al. **Masui** 27(13):1575–9, Dec 78 (Eng. Abstr.) **(Jpn)**

[Determination of triiodothyronine in serum by gammacoat T3 (author's transl)] Kinoshita F, et al. **Radioisotopes** 27(8):466–9, Aug 78 **(Jpn)**

[Relation between the plasma levels of T3 and T4 in thyroid hyperfunction. T3 and T4 hyperthyroidism] Rubio Pérez P, et al. **Rev Clin Esp** 151(4):273–6, 30 Nov 78 (Eng. Abstr.) **(Spa)**

DEFICIENCY

Pathways of metabolism of thyroid hormones. Chopra IJ, et al. **Recent Prog Horm Res** 34:521–67, 1978 (132 ref.)

DIAGNOSTIC USE

An assessment under routine conditions of an immunoelectrophoretic assay for thyroxine-binding globulin. Attwood EC, et al. **Clin Biochem** 11(6):226–9, Dec 78

ISOLATION & PURIFICATION

Immunohistochemical localization of thyroid hormone in rat thyroid gland. Wilson M, et al. **J Histochem Cytochem** 26(12):1121–4, Dec 78

METABOLISM

Synaptosomal [125I]triiodothyronine after intravenous [125I]thyroxine. Dratman MB, et al. **Am J Physiol** 235(6):E638–47, Dec 78

Dissociable and non-dissociable cytoplasmic protein-thyroid hormone interactions. Yoshida K, et al. **Biochim Biophys Acta** 582(2):332–45, 18 Jan 79

Triiodothyronine binding to brain cytosol receptors during maturation. Dozin-van Roye B, et al. **FEBS Lett** 96(1):152–4, 1 Dec 78

Triiodothyronine (T3) turnover studies in normal states using 1-triiodothyronine labeled with 1251. Fresco G, et al. **J Nucl Med Allied Sci** 22(3):133–9, Jul–Sep 78

Effect of catecholamine replacement with levodopa on the metabolic response to semistarvation. Shetty PS, et al. **Lancet** 1(8107):77–9, Jan 79

Triiodothyronine turnover studies in euthyroid patients with

autonomous thyroid nodules. Bianchi R, et al. **Metabolism** 28(2):163–8, Feb 79

Pathways of metabolism of thyroid hormones. Chopra IJ, et al. **Recent Prog Horm Res** 34:521–67, 1978 (132 ref.)

PHARMACODYNAMICS

Ribonucleic acid labelling perfused livers of protein-fed and protein-deprived rats. Christensson PI, et al. **Cytobios** 20(79–80):199–217, 1977

Effects of thyroliberin, triiodothyronine and cyclic guanosine 3'5'-monophosphate on the volume of nuclei of thyrotropic cells in rat anterior pituitary in vitro. Lewiński A. **Endokrinologie** 72(2):175–82, May 78

Effect of triiodothyronine on glutamine synthetase in the developing rat retina. Riepe RE, et al. **Exp Eye Res** 27(6):681–6, Dec 78

The effect of triiodothyronine on the transport and incorporation of amino acids by bullfrog tadpole tail fin cells. Frieden E, et al. **Gen Comp Endocrinol** 36(2):215–22, Oct 78

Tissue specificity of inhibitory action of excess thyroid hormone on creatine transport in the rat. Kurahashi M. **Jpn J Physiol** 28(5):603–10, 1978

Vascular relaxation, aging and thyroid hormones. Parker RJ, et al. **Mech Ageing Dev** 8(6):397–405, Dec 78

Effect of tri-iodothyronine replacement on the metabolic and pituitary responses to starvation. Gardner DF, et al. **N Engl J Med** 300(11):579–84, 15 Mar 79

[Single i.v. doses of triiodothyronine and thyroxine administered to rats--local circulatory effects (author's transl)] Kapitola J, et al. **Cas Lek Cesk** 117(46):1441–2, 1978 (Eng. Abstr.) **(Cze)**

SECRETION

Hashimoto's thyroiditis presenting as T3 toxicosis. Mallya RK, et al. **Br Med J** 2(6151):1535–6, 2 Dec 78

[Follow up studies of the antithyroid drug therapy for hyperthyroidism with special emphasis on the clinical usefulness of TRH and T3-suppression tests during treatment (author's transl)] Tamai H. **Fukuoka Igaku Zasshi** 69(11):486–94, Nov 78 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Effects of triiodothyronine on the anemia of chronic renal failure. Ferrer J, et al. **Am J Hematol** 5(2):139–43, 1978

Time and tides in Graves's disease: their implications in predicting outcome of treatment. Wilkin TJ, et al. **Br Med J** 1(6156):88–9, 13 Jan 79

Triiodothyronine (T3) concentration and therapy in autistic children. Abbassi V, et al. **J Autism Child Schizophr** 8(4):383–7, Dec 78

A controlled crossover study of triiodothyronine in autistic children. Campbell M, et al. **J Autism Child Schizophr** 8(4):371–81, Dec 78

[A combination of thyroxine and triiodothyronine in the treatment of hypothyroidism (author's transl)] Felt V, et al. **Cas Lek Cesk** 117(46):1432–6, 1978 (Eng. Abstr.)**(Cze)**

[Therapeutical test of Euthyral in thirty one cases of hypothyroidism (author's transl)] Charbonnel B. **Sem Hop Paris** 54(41–42):1291–5, 18–25 Nov 78 (Eng. Abstr.) **(Fre)**

[Indications and results of an additional differentiated pharmacotherapy of obesity] Kucher E. **Z Gesamte Inn Med** 33(20):749–53, 15 Oct 78 **(Ger)**

[Goiter. Diagnosis and therapy in practice] Horster FA. **ZFA (Stuttgart)** 55(3):127–11, 31 Jan 79 **(Ger)**

TRIIODOTHYRONINE, REVERSE

BIOSYNTHESIS

The formation of tri-iodothyronine and reverse tri-iodothyronine from thyroxine in isolated rat renal tubules. Heyma P, et al. **Clin Sci Mol Med** 55(6):567–72, Dec 78

[Decreased triiodothyronine (T3) production in constant reverse T3 production in advanced age] Smeulers J, et al. **Ned Tijdschr Geneeskd** 123(1):12–5, 6 Jan 79 (Eng. Abstr.) **(Dut)**

BLOOD

Thyroid and adrenomedullary reactions during sleep deprivation. Palmblad J, et al. **Acta Endocrinol (Copenh)** 90(2):233–9, Feb 79

Basal and TRH-stimulated thyroid and pituitary hormones in various degrees of renal insufficiency. Weissel M, et al. **Acta Endocrinol (Copenh)** 90(1):23–32, Jan 79

Relative increase of serum reverse T3 in patients with hypothyroidism. Banovac K, et al. **Ann Endocrinol (Paris)** 39(5):387–91, 1978

Correction for the presence of cross-reactants in saturation assays: application to thyroxine cross-reactivity in 3,3',5'-(reverse)-triiodothyronine radioimmunoassay. Mathur H, et al. **Clin Chim Acta** 91(3):317–27, 1 Feb 79

Thyroid hormones in serum: effects of x-ray contrast media. Hanaghan J, et al. **Ir J Med Sci** 148(1):12–4, Jan 79

The effect of protein and carbohydrate in very low energy diets on thyroid hormone levels in overweight adults [proceedings] Byfield PG, et al. **Proc Nutr Soc** 37(3):102A, Dec 78

Effect of carbamazepine, phenytoin and phenobarbitone on serum levels of thyroid hormones and thyrotropin in humans. Rootwelt K, et al. **Scand J Clin Lab Invest** 38(8):731–6, Dec 78

[Decreased triiodothyronine (T3) production in constant reverse T3 production in advanced age] Smeulers J, et al. **Ned Tijdschr Geneeskd** 123(1):12–5, 6 Jan 79 (Eng. Abstr.) **(Dut)**

[Plasma levels of 3,3', 5'-T3 (reverse-T3) under various functional thyroid conditions] Hüfner M, et al. **Acta Biol Med Ger** 37(3):447–52, 1978 (Eng. Abstr.)**(Ger)**

[Differential diagnosis of thyroid diseases using new methods. Migration inhibition tests (MIT), high-voltage electrophoresis and determination of reverse triiodothyronine (r-T3-RIA)] Miller A. **ZFA (Stuttgart)** 55(3):153–9, 31 Jan 79 **(Ger)**

[Measurement of reverse triiodothyronine (rT3) by direct radioimmunoassay: Serum rT3 distribution and correlation with triiodothyronine (T3), thyroxine (T4) and free thyroxine index (FTI) in various thyroid economy (author's transl)] Bunko H, et al. **Kaku Igaku** 15(7):1033–41, Oct 78 **(Jpn)**

IMMUNOLOGY

Correction for the presence of cross-reactants in saturation assays: application to thyroxine cross-reactivity in 3,3',5'-(reverse)-triiodothyronine radioimmunoassay. Mathur H, et al. **Clin Chim Acta** 91(3):317–27, 1 Feb 79

METABOLISM

Pathways of metabolism of thyroid hormones. Chopra IJ, et al. **Recent Prog Horm Res** 34:521–67, 1978 (132 ref.)

THYROID

IV. Thyroid Antagonists and Inhibitors

CARBIMAZOLE

ADMINISTRATION & DOSAGE

The course of endocrine ophthalmopathy during antithyroid therapy in a prospective study. Solem JH, et al. **Acta Med Scand** 205(1-2):111-4, 1979

Relapse after short-term antithyroid therapy of Graves' disease [letter] Burr WA, et al. **N Engl J Med** 300(4):200, 25 Jan 79

ADVERSE EFFECTS

Acute stomatitis medicamentosa. Two case reports. Smith N. **Aust Dent J** 23(4):305-7, Aug 78

PHARMACODYNAMICS

The formation of tri-iodothyronine and reverse tri-iodothyronine from thyroxine in isolated rat renal tubules. Heyma P, et al. **Clin Sci Mol Med** 55(6):567-72, Dec 78

THERAPEUTIC USE

Failure of the TRH test to predict the clinical course of patients in remission after antithyroid drug therapy for Graves' disease. Irvine WJ, et al. **Acta Endocrinol (Copenh)** 90(1):18-22, Jan 79

The course of endocrine ophthalmopathy during antithyroid therapy in a prospective study. Solem JH, et al. **Acta Med Scand** 205(1-2):111-4, 1979

Prenatal treatment of fetal thyrotoxicosis. Robinson PL, et al. **Br Med J** 1(6160):383-4, 10 Feb 79

Time and tides in Graves's disease: their implications in predicting outcome of treatment. Wilkin TJ, et al. **Br Med J** 1(6156):88-9, 13 Jan 79

Relapse after short-term antithyroid therapy of Graves' disease [letter] Burr WA, et al. **N Engl J Med** 300(4):200, 25 Jan 79

METHIMAZOLE

[Changed body composition by increased total body fat content in experimentally hypothyroid rats] Ratzmann L, et al. **Endokrinologie** 72(2):166-74, May 78 (Eng. Abstr.) **(Ger)**

METABOLISM

The effect of temperature on mixed function amine oxidase intrinsic fluorescence and oxidative activity. Kitchell BB, et al. **Mol Pharmacol** 14(6):1092-8, Nov 78

PHARMACODYNAMICS

Effects of hypothyroidism on the response of the rat colon to morphine. Huidobro-Toro JP, et al. **Eur J Pharmacol** 52(2):191-5, 15 Nov 78

THERAPEUTIC USE

[Follow up studies of the antithyroid drug therapy for hyperthyroidism with special emphasis on the clinical usefulness of TRH and T3-suppression tests during treatment (author's transl)] Tamai H. **Fukuoka Igaku Zasshi** 69(11):486-94, Nov 78 (Eng. Abstr.) **(Jpn)**

METHYLTHIOURACIL

[Changed body composition by increased total body fat content in experimentally hypothyroid rats] Ratzmann L, et al. **Endokrinologie** 72(2):166-74, May 78 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Quantitative histochemical and stereological study of alkaline phosphatase in the rat thyroid gland. Bykov VL, et al. **Histochemistry** 58(1-2):129-34, 24 Nov 78

PROPYLTHIOURACIL

Correlation of DNA accumulation rate with thymidylate synthetase activity in developing rat cerebellum: effect of hypothyroidism. Clark BR, et al. **Biol Neonate** 34(5-6):209-16, 1978

ADMINISTRATION & DOSAGE

The course of endocrine ophthalmopathy during antithyroid therapy in a prospective study. Solem JH, et al. **Acta Med Scand** 205(1-2):111-4, 1979

PHARMACODYNAMICS

Isolation of thyroglobulin messenger RNA from rats: increased yield in propylthiouracil-induced hyperplasia. Scherberg NH. **Biochem Biophys Res Commun** 85(4):1415-23, 29 Dec 78

The formation of tri-iodothyronine and reverse tri-iodothyronine from thyroxine in isolated rat renal tubules. Heyma P, et al. **Clin Sci Mol Med** 55(6):567-72, Dec 78

THERAPEUTIC USE

Plasma cyclic nucleotide levels in hyperthyroidism. Lin T. **Acta Endocrinol (Copenh)** 90(1):62-8, Jan 79

The course of endocrine ophthalmopathy during antithyroid therapy in a prospective study. Solem JH, et al. **Acta Med Scand** 205(1-2):111-4, 1979

THIOURACIL

THERAPEUTIC USE

[Follow up studies of the antithyroid drug therapy for hyperthyroidism with special emphasis on the clinical usefulness of TRH and T3-suppression tests during treatment (author's transl)] Tamai H. **Fukuoka Igaku Zasshi** 69(11):486-94, Nov 78 (Eng. Abstr.) **(Jpn)**

THYROID ANTAGONISTS

METABOLISM

Update: drugs in breast milk. **Med Lett Drugs Ther** 21(5):21-4, 9 Mar 79

PHARMACODYNAMICS

The effect of L-thyroxine, antithyroid substances and L-histidine on either form of catalase in guinea pig liver and brain. Harizanova M, et al. **Folia Med (Plovdiv)** 20(1):42-7, 1978

THERAPEUTIC USE

The course of endocrine ophthalmopathy during antithyroid therapy in a prospective study. Solem JH, et al. **Acta Med Scand** 205(1-2):111-4, 1979

Thyrotoxicosis during pregnancy. Pekonen F, et al. **Ann Chir Gynaecol** 67(5):165-73, 1978 (100 ref.)

[Endocrine ophthalmopathy in Graves disease during antithyroid drug therapy (author's transl)] Wuttke H, et al. **Klin Wochenschr** 57(2):69-74, 15 Jan 79 (Eng. Abstr.) **(Ger)**

[Round-table discussion: surgery in hyperthyroidism] **Langenbecks Arch Chir** 347:157-8, Nov 78 **(Ger)**

[Nonsurgical therapy of hyperthyroidism (author's transl)] Klein E. **Langenbecks Arch Chir** 347:131–6, Nov 78 (Eng. Abstr.) **(Ger)**

[Basedow–Graves' disease: operative treatment (author's transl)] Röher HD. **Langenbecks Arch Chir** 347:137–44, Nov 78 (Eng. Abstr.) **(Ger)**

[Hyperthyroidism and hypothyroidism in general practice. Diagnosis and therapy] Eickenbusch W. **ZFA (Stuttgart)** 55(3):132–43, 31 Jan 79 **(Ger)**

[Follow up studies of the antithyroid drug therapy for hyperthyroidism with special emphasis on the clinical usefulness of TRH and T3–suppression tests during treatment (author's transl)] Tamai H. **Fukuoka Igaku Zasshi** 69(11):486–94, Nov 78 (Eng. Abstr.) **(Jpn)**

V. *Related Topics*

EXOPHTHALMOS

COMPLICATIONS

Spontaneous luxation of the eyeball associated with branch thrombosis of the central retinal vein. Meyer E, et al. **Ann Ophthalmol** 10(12):1681–4, Dec 78

Orbitofacial angiomatosis. Hofeldt AJ, et al. **Arch Ophthalmol** 97(3):484–8, Mar 79

Orbital hemangiopericytoma: a report of a three-year-old child. Kapoor S, et al. **j Pediatr Opthalmol Strabismus** 15(1):40–2, Jan–Feb 78

Ocular cysticercosis in India. Krishna D, et al. **j Pediatr Opthalmol Strabismus** 15(2):96–102, Mar–Apr 78

Melnick–Needles syndrome. Perry LD, et al. **j Pediatr Opthalmol Strabismus** 15(4):226–30, Jul–Aug 78

Ocular findings in a patient with Kugelberg–Welander syndrome: a case report. Waliar PH, et al. **j Pediatr Opthalmol Strabismus** 15(1):15–8, Jan–Feb 78

Surgical management of unilateral and bilateral coronal craniosynostosis: 21 years of experience. Mohr G, et al. **Neurosurgery** 2(2):83–92, Mar–Apr 78

DIAGNOSIS

Spontaneous luxation of the eyeball associated with branch thrombosis of the central retinal vein. Meyer E, et al. **Ann Ophthalmol** 10(12):1681–4, Dec 78

Photorecording exophthalmometer. Krimsky E. **Ophthalmology (Rochester)** 85(11):1186–9, Nov 78

ETIOLOGY

Spontaneous luxation of the eyeball associated with branch thrombosis of the central retinal vein. Meyer E, et al. **Ann Ophthalmol** 10(12):1681–4, Dec 78

Reliability of orbital diagnostic tests: ultrasonography, computerized tomography, and radiography. Dallow RL. **Ophthalmology (Rochester)** 85(11):1218–28, Nov 78

[Ocular complications sustained after the occlusion of a carotid–cavernous fistula with a Fogarty balloon catheter] Devlamynck S, et al. **Rev Otoneuroophtalmol** 50(4):409–12, Jul–Sep 78 **(Fre)**

[Intermittent exophthalmos due to 'valves' in the vena ophthalmica superior] Fricke M, et al. **ROEFO** 130(1):119–21, Jan 79 **(Ger)**

[Localized inflammation of the orbital tissues as a cause of unilateral exophthalmus] Stankiewicz C. **Otolaryngol Pol** 32(6):633–6, 1978 **(Pol)**

[Etiology of exophthalmos] Maksimenko AN. **Oftalmol Zh** 33(7):547–8, 1978 **(Rus)**

PHYSIOPATHOLOGY

Photorecording exophthalmometer. Krimsky E. **Ophthalmology (Rochester)** 85(11):1186–9, Nov 78

RADIOGRAPHY

[Intermittent exophthalmos due to 'valves' in the vena ophthalmica superior] Fricke M, et al. **ROEFO** 130(1):119–21, Jan 79 **(Ger)**

RADIONUCLIDE IMAGING

[Gamma-orbitography with Ga 67 and Tc 99m in exophthalmos caused by thyroid diseases] Bosco F, et al. **Minerva Med** 69(51):3535–8, 27 Oct 78 **(Ita)**

SURGERY

Orbital expansion. Wolfe SA. **Clin Plast Surg** 5(4):513–5, Oct 78

IODIDES

Inhibition by thiocyanate of lactoperoxidase-catalysed oxidation and iodination reactions. Tenovuo J. **Arch Oral Biol** 23(10):899–903, 1978

Studies on modification of tryptophan, methionine, tyrosine and arginine residues of human follicle-stimulating hormone and its subunits. Rathnam P, et al. **Biochim Biophys Acta** 576(1):81–7, 25 Jan 79

ADVERSE EFFECTS

[Goiter in the newborn: comments apropos of 10 case reports] Ponte C, et al. **Lille Med** 23(9):622–8, 1978 **(Fre)**

ANALYSIS

A field test for detecting iodine-enriched salt. Dustin JP, et al. **Bull WHO** 56(4):657–8, 1978

Determination of iodide in nutritional beverage products using an ion selective electrode. Miles P. **J Assoc Off Anal Chem** 61(6):1366–9, Nov 78

PHARMACODYNAMICS

Effect of tri-iodothyronine replacement on the metabolic and pituitary responses to starvation. Gardner DF, et al. **N Engl J Med** 300(11):579–84, 15 Mar 79

THERAPEUTIC USE

The anatomy, physiology, pharmacology and pathology of tracheobronchial mucus secretion and the use of expectorant drugs in human disease. Richardson PS, et al. **Pharmacol Ther [B]** 3(4):441–79, 1978 (248 ref.)

[Varicose veins: sclerosing therapy (author's transl)] Sigg K, et al. **Langenbecks Arch Chir** 347:231–4, Nov 78 (Eng. Abstr.) **(Ger)**

IODINE

Implication of a tyrosyl residue at the active site of mitochondrial L-malate:NAD+ oxidoreductase. Otwell HB, et al. **Biochim Biophys Acta** 527(2):309–19, 8 Dec 78

Study of the tryptophan residues of lysozyme using 1H nuclear magnetic resonance. Cassels R, et al. **Eur J Biochem** 92(1):81–97, 1 Dec 78

Hormonal and nutritional status: critical conditions for endemic goiter epidemiology? Ingenbleek Y, et al. **Metabolism** 28(1):9–19, Jan 79

Thyroid hormones: crystal structure, molecular conformation, binding, and structure-function relationships. Cody V. **Recent Prog Horm Res** 34:437–75, 1978 (80 ref.)

[Our experience with iodization of table salt in Czechoslovakia] Pečený J, et al. **Cesk Pediatr** 34(1):37–8, Jan 79 (Eng. Abstr.) **(Cze)**

ADMINISTRATION & DOSAGE

Iodine-induced hypothyroidism and its effect on the severity of asthma. Korsager S, et al. **Acta Med Scand** 205(1–2):115–7, 1979

Endemic neurological syndromes in the high Andean iodine deficiency region. pp. 366–74. Cruz M, et al. **In: den Hartog Jager, WA, et al., ed. Neurology. Amsterdam, Excerpta Medica, 1978. W3 EX89 no.434 1978.**

[Local therapy of burns in childhood by tanning with povidone-iodine (author's transl)] Hohlfeld M, et al. **MMW** 121(5):181–4, 2 Feb 79 (Eng. Abstr.) **(Ger)**

[Diagnostic possibilities of intravenous urography in the evaluation of renal function] Tiurin EI. **Vestn Rentgenol Radiol** (6):66–9, Nov–Dec 78 **(Rus)**

ADVERSE EFFECTS

Iodine-induced hypothyroidism and its effect on the severity of asthma. Korsager S, et al. **Acta Med Scand** 205(1–2):115–7, 1979

[Iodine-induced thyrotoxicosis] Thorsteinsson B, et al. **Ugeskr Laeger** 141(3):155–7, 15 Jan 79 (Eng. Abstr.) **(Dan)**

[Danger of iodine drugs in the pregnant woman] Crepin G, et al. **Phlebologie** 31(3):279–85, Jul–Sep 78 (Eng. Abstr.) **(Fre)**

[Conservative treatment of other forms of hyperthyroidism (author's transl)] Reinwein D. **Langenbecks Arch Chir** 347:145–50, Nov 78 (Eng. Abstr.) **(Ger)**

ANALYSIS

Endemic goitre, the factors controlling iodine deficiency in soils. Aston SR, et al. **Sci Total Environ** 11(1):99–104, Jan 79

[Absorption of iodine from the air during iodine baths] Sadílková M, et al. **Fysiatr Reumatol Vestn** 57(1):48–52, Jan 79 (Eng. Abstr.) **(Cze)**

[Increased iodine pool in patients studied between 1969 and 1977 (author's transl) (letter)] Sanmarco JL, et al. **Nouv Presse Med** 7(44):4047, 9 Dec 78 (Eng. Abstr.) **(Fre)**

[Practical techniques of activation analysis to agricultural and biological samples (V), (4) Activation analysis of the elements in soil materials (2), Halogen elements (author's transl)] Yuita K. **Radioisotopes** 27(10):613–23, Oct 78 **(Jpn)**

BLOOD

Intraperitoneal irrigation with povidone–iodine solution for the prevention of intra-abdominal abscesses in the bacterially contaminated abdomen. Sindelar WF, et al. **Surg Gynecol Obstet** 148(3):409–11, Mar 79

[Relevance of enzyme histochemistry of rat thyroid gland] Pataki A, et al. **Acta Histochem [Suppl] (Jena)** 14:159–65, 1975 (Eng. Abstr.) **(Ger)**

DEFICIENCY

Endemic neurological syndromes in the high Andean iodine deficiency region. pp. 366–74. Cruz M, et al. **In: den Hartog Jager, WA, et al., ed. Neurology. Amsterdam, Excerpta Medica, 1978. W3 EX89 no.434 1978.**

Goitre zonation in the Kumaon region: a geo-medical study. Akhtar R. **Soc Sci Med** 12(3D–4D):157–63, Dec 78

DIAGNOSTIC USE

[Iodine–rivanol indication of varicose veins of the lower extremities] Sychov MD, et al. **Khirurgiia (Mosk)** (1):101, Jan 79 **(Rus)**

METABOLISM

Leucocyte function in iron-deficiency anemia. Prasad JS. **Am J Clin Nutr** 32(3):550–2, Mar 79

Role of thyroid gland in oxygen toxicity. Galton VA. **Am J Physiol** 235(6):E628–33, Dec 78

Time and tides in Graves's disease: their implications in predicting outcome of treatment. Wilkin TJ, et al. **Br Med J** 1(6156):88–9, 13 Jan 79

Effect of linamarin on thiocyanate production and thyroid activity in rats. Barret MD, et al. **J Toxicol Environ Health** 4(5–6):735–40, Sep–Nov 78

The thyroid--a gland in search of a function. Etkin W. **Perspect Biol Med** 22(1):19–30, Autumn 78

Effect of vasectomy on thyroid function. Goldman M, et al. **Res Commun Chem Pathol Pharmacol** 22(2):423–6, Nov 78

[Danger of iodine drugs in the pregnant woman] Crepin G, et al. **Phlebologie** 31(3):279–85, Jul–Sep 78 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

A new polymer–iodine combination (iodoplex) for treatment of donor sites: a preliminary controlled study. Hirshowitz B, et al. **Ann Plast Surg** 2(1):84–8, Jan 79

Effect of excess iodine supplement on serum total proteins, electrophoretic patterns and body weight of Fayoumi chickens. Emara SH, et al. **Z Ernaehrungswiss** 17(4):191–6, Dec 78

[Action of iodophoric disinfectants and chlorhexidine-containing preparations on human-type tubercle bacilli] Szymaczek-Meyer L, et al. **Pneumonol Pol** 47(1):41–6, Jan 79 (Eng. Abstr.) **(Pol)**

[Effect of a film-forming compound with dodecyl guanidine acetate base on the course of surgical wounds in animals] Kavkalo DN. **Klin Khir** (12):28–31, Dec 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The thyroid--a gland in search of a function. Etkin W. **Perspect Biol Med** 22(1):19–30, Autumn 78

THERAPEUTIC USE

A new polymer–iodine combination (iodoplex) for treatment of donor sites: a preliminary controlled study. Hirshowitz B, et al. **Ann Plast Surg** 2(1):84–8, Jan 79

Iodine in the treatment of alloxan diabetes in rats. Voliti H, et al. **Isr J Med Sci** 14(10):1081–3, Oct 78

Comparison of the antiseptic effect of two Iodophor preparations on hand washing in a well-baby nursery. Amortegui AJ, et al. **JOGN Nurs** 7(6):35–8, Nov–Dec 78

Incidence and treatment of budding yeasts in canine otitis externa. Rausch FD, et al. **Mod Vet Pract** 59(12):914–5, Dec 78

[Local therapy of burns in childhood by tanning with povidone–iodine (author's transl)] Hohlfeld M, et al. **MMW** 121(5):181–4, 2 Feb 79 (Eng. Abstr.) **(Ger)**

[The current status of endemic goiter in Upper Adige and the necessity for iodine prophylaxis] Platzer S. **Minerva Med** 69(60):4193–8, 8 Dec 78 **(Ita)**

[Effect of a film-forming compound with dodecyl guanidine acetate base on the course of surgical wounds in animals] Kavkalo DN. **Klin Khir** (12):28–31, Dec 78 (Eng. Abstr.) **(Rus)**

[Evaluation of the effectiveness of prevention of endemic goiter in the Sverdlovsk district] Mikhailov IuM, et al. **Sov Med** (11):102–5, Nov 78 (Eng. Abstr.) **(Rus)**

TOXICITY

A standard large wound of the corneal epithelium in the rabbit. Moses RA, et al. **Invest Ophthalmol Vis Sci** 18(1):103–6, Jan 79

URINE

[The current status of endemic goiter in Upper Adige and the necessity for iodine prophylaxis] Platzer S. **Minerva Med** 69(60):4193–8, 8 Dec 78 **(Ita)**

IODOPROTEINS

BIOSYNTHESIS

Some disturbances related to iodination and utilisation of thyroglobulin and 27 S iodoprotein in non-toxic multinodular goitre. Sinadinović J, et al. **Endokrinologie** 72(2):155–65, May 78

BLOOD

Characterization of iodoproteins secreted by phagocytosing human polymorphonuclear leukocytes. Stolc V. **J Biol Chem** 254(4):1273–9, 25 Feb 79

ISOLATION & PURIFICATION

Some disturbances related to iodination and utilisation of thyroglobulin and 27 S iodoprotein in non-toxic multinodular goitre. Sinadinović J, et al. **Endokrinologie** 72(2):155–65, May 78

METABOLISM

Some disturbances related to iodination and utilisation of thyroglobulin and 27 S iodoprotein in non-toxic multinodular goitre. Sinadinović J, et al. **Endokrinologie** 72(2):155–65, May 78

[Effects of the length of radioiodine treatment of hyperthyroidism on the distribution of blood levels of calcium and phosphorus as a function of sex and age] Mazzuoli GF, et al. **Minerva Med** 69(60):4181–92, 8 Dec 78 (Eng. Abstr.) **(Ita)**

LONG-ACTING THYROID STIMULATOR

IMMUNOLOGY

[Autoimmunization symptoms in thyroid diseases] Węgier A, et al. **Pol Tyg Lek** 33(52):2011–3, 25 Dec 78 (30 ref.) **(Pol)**

PROTEIN-BOUND IODINE TEST

Tests of thyroid function. Ahuja MM, et al.
J Assoc Physicians India 26(2):109–18, Feb 78

[Familial coincidence of hypertrophic cardiomyopathies and thyroxine-binding globulin deficiency (athyropexinemia) (author's transl)] Kallee E, et al. **Klin Wochenschr** 56(24):1213–6, 15 Dec 78 (Eng. Abstr.) **(Ger)**

[Practical experiences with the TRH rapid test in the diagnosis of thyroid function] Weiske R, et al. **Med Welt** 30(4):123–30, 26 Jan 79 **(Ger)**

THYROXINE BINDING PROTEIN

ANALYSIS

Effect of clomifene on thyroid function in normal men. Feldt-Rasmussen U, et al. **Acta Endocrinol (Copenh)** 90(1):43–51, Jan 79

The T4/TBG ratio and the investigation of thyroid function. Attwood EC, et al. **Clin Biochem** 11(5):218–21, Oct 78

An assessment under routine conditions of an immunoelectrophoretic assay for thyroxine-binding globulin. Attwood EC, et al. **Clin Biochem** 11(6):226–9, Dec 78

Sex steroids and thyroid function tests: the role of estrogen and progestogen. Miyamoto J. **Int J Gynaecol Obstet** 16(1):28–33, 1978

Effect of carbamazepine, phenytoin and phenobarbitone on serum levels of thyroid hormones and thyrotropin in humans. Rootwelt K, et al. **Scand J Clin Lab Invest** 38(8):731–6, Dec 78

[Familial coincidence of hypertrophic cardiomyopathies and thyroxine-binding globulin deficiency (athyropexinemia) (author's transl)] Kallee E, et al. **Klin Wochenschr** 56(24):1213–6, 15 Dec 78 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Thyroxine transport proteins of plasma. Molecular properties and biosynthesis. Robbins J, et al.
Recent Prog Horm Res 34:477–519, 1978 (97 ref.)

BLOOD

Thyroid function in long term haemofiltration. Schneider H, et al. **Proc Eur Dial Transplant Assoc** 15:187–93, 1978

DEFICIENCY

Case 38–1978 [letter] **N Engl J Med** 300(5):262–3, 1 Feb 79

[Familial coincidence of hypertrophic cardiomyopathies and thyroxine-binding globulin deficiency (athyropexinemia) (author's transl)] Kallee E, et al. **Klin Wochenschr** 56(24):1213–6, 15 Dec 78 (Eng. Abstr.) **(Ger)**

[Hereditary thyroxine-binding globulin deficiency combined with hypertrophic obstructive cardiomyopathy] Bohner J, et al. **Verh Dtsch Ges Inn Med** (84):666–70, 1978 **(Ger)**

GENETICS

Thyroxine transport proteins of plasma. Molecular properties and biosynthesis. Robbins J, et al.
Recent Prog Horm Res 34:477–519, 1978 (97 ref.)

ISOLATION & PURIFICATION

Thyroxine transport proteins of plasma. Molecular properties and biosynthesis. Robbins J, et al.
Recent Prog Horm Res 34:477–519, 1978 (97 ref.)

METABOLISM

Serum concentrations of thyrotropin, thyroid hormones and thyroid hormone-binding proteins during acute and recovery stages of idiopathic respiratory distress syndrome. Jacobsen BB, et al. **Acta Paediatr Scand** 68(2):257–64, Mar 79

Dissociable and non-dissociable cytoplasmic protein-thyroid hormone interactions. Yoshida K, et al.
Biochim Biophys Acta 582(2):332–45, 18 Jan 79

ADRENAL

I. *Physical and Functional Aspects*

ADRENAL CORTEX

ANATOMY & HISTOLOGY

Effects of pipecolinomethylhydroxyindane on testicular and adrenocortical function in rats. Kinson GA. **Arch Androl** 1(2):185–91, 1978

[The development of the adrenal cortex in pig (Sus scrofa domestica). (A contribution on the development of the fetal interior zone of the adrenal cortex in pig) (author's transl)] Jost H, et al. **Anat Anz** 144(2):107–27, Jul 78 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Adrenocortical activity in female rats following long-term exposure to treadmill running. Chandra AM, et al. **Endokrinologie** 72(2):239–42, May 78

Developmental changes in rat adrenocortical cell membrane potential. Lymangrover J, et al. **Mech Ageing Dev** 8(6):377–82, Dec 78

High-density lipoproteins in the prevention of atherosclerotic heart disease. Part II. Biochemical role in the pathogenesis of atherosclerosis. Berger GM. **S Afr Med J** 54(17):693–7, 21 Oct 78 (51 ref.)

DRUG EFFECTS

Effects of pipecolinomethylhydroxyindane on testicular and adrenocortical function in rats. Kinson GA. **Arch Androl** 1(2):185–91, 1978

Regulation of adrenocortical steroidogenesis by cyclic 3'–5'-guanosine monophosphate in isolated rat adrenal cells. Harrington CA, et al. **Biochem Biophys Res Commun** 85(1):55–61, 14 Nov 78

Pituitary adrenocortical response to stress during the first day of post-natal life in the rat. Corbier P, et al. **Biol Neonate** 34(3–4):105–11, 1978

Adrenocortical suppression by synthetic corticosteroid drugs: a comparative study of prednisolone and betamethasone. Downie WW, et al. **Br J Clin Pharmacol** 6(5):397–9, Nov 78

Adrenal activity in anorexia nervosa. Walsh BT, et al. **Psychosom Med** 40(6):499–506, Oct 78

Effects of cannabinoids on reproduction and development. Bloch E, et al. **Vitam Horm** 36:203–58, 1978 (236 ref.)

[Histofunctional aspects of the rat adrenals following administration of ethinyl estradiol (histological study)] Breda M, et al. **Boll Soc Ital Biol Sper** 54(1):105–10, 15 Jan 78 **(Ita)**

EMBRYOLOGY

Aspects of the ultrastructure and function of the human fetal adrenal cortex. Jóhannisson E. **Contrib Gynecol Obstet** 5:109–30, 1979 (74 ref.)

[The development of the adrenal cortex in pig (Sus scrofa domestica). (A contribution on the development of the fetal interior zone of the adrenal cortex in pig) (author's transl)] Jost H, et al. **Anat Anz** 144(2):107–27, Jul 78 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Immunohistochemical localization of adrenodoxin and adrenodoxin reductase in bovine adrenal cortex. Mitani F, et al. **Acta Endocrinol (Copenh)** 90(2):317–27, Feb 79

The final step of side-chain cleavage of cholesterol by adrenocortical cytochrome P-450(scc) studied with [22(–18)O]20,22-dihydroxycholesterols, [18O]isocaproaldehyde, [18O]water and atmospheric [18O]oxygen. Duque C, et al. **Biochem Biophys Res Commun** 85(1):317–25, 14 Nov 78

3-Hydroxy-3-methylglutaryl coenzyme A reductase activity in beef adrenal cortex. Preiss B, et al. **Can J Biochem** 56(10):958–62, Oct 78

Crystalline reduced nicotinamide adenine dinucleotide phosphate-adrenodoxin reductase from pig adrenocortical mitochondria. Essential histidyl and cysteinyl residues of the NADPH-binding site and environment of the adrenodoxin-binding site. Hiwatashi A, et al. **J Biochem (Tokyo)** 84(5):1071–86, Nov 78

Adrenocortical cytochrome P-450 side chain cleavage. Preparation of membrane-bound side chain cleavage system from purified components. Hall PF, et al. **J Biol Chem** 254(2):547–52, 25 Jan 79

[N-terminal amino acid sequence of 20S, 22R-cholesterol hydroxylating cytochrome P-450 from bovine adrenal cortex mitochondria] Akhrem AA, et al. **Dokl Akad Nauk SSSR** 243(2):505–7, 1978 **(Rus)**

GROWTH & DEVELOPMENT

Developmental changes in rat adrenocortical cell membrane potential. Lymangrover J, et al. **Mech Ageing Dev** 8(6):377–82, Dec 78

[The development of the adrenal cortex in pig (Sus scrofa domestica). (A contribution on the development of the fetal interior zone of the adrenal cortex in pig) (author's transl)] Jost H, et al. **Anat Anz** 144(2):107–27, Jul 78 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Auto-immune Addison's disease in identical twins. Simmonds JP, et al. **Postgrad Med J** 54(634):552–4, Aug 78

METABOLISM

Immunohistochemical localization of adrenodoxin and adrenodoxin reductase in bovine adrenal cortex. Mitani F, et al. **Acta Endocrinol (Copenh)** 90(2):317–27, Feb 79

Studies on cyclic nucleotides in the adrenal gland. IX. Effects of ACTH on cyclic AMP and steroid production by the zona fasciculata–reticularis of the adrenal cortex. Shima S, et al. **Acta Endocrinol (Copenh)** 90(1):139–46, Jan 79

Biochemical and morphological characteristics of bovine adrenal cortex plasma membrane [proceedings] Pecheux F, et al. **Arch Int Physiol Biochim** 86(4):879–80, Oct 78

Regulation of adrenocortical steroidogenesis by cyclic 3'–5'-guanosine monophosphate in isolated rat adrenal cells. Harrington CA, et al. **Biochem Biophys Res Commun** 85(1):55–61, 14 Nov 78

Pituitary adrenocortical response to stress during the first day of post-natal life in the rat. Corbier P, et al. **Biol Neonate** 34(3–4):105–11, 1978

Aspects of the ultrastructure and function of the human fetal adrenal cortex. Johannisson E. **Contrib Gynecol Obstet** 5:109–30, 1979 (74 ref.)

In vitro tropic action of ACTH upon adrenocortical cyclic nucleotide (cAMP, cGMP) production and corticosterone output in blue (Prionace glauca Linnaeus) and in mako (Isurus oxyrinchus Rafinesque) sharks. Honn KV, et al. **Gen Comp Endocrinol** 36(1):161–9, Sep 78

Pregnenolone biosynthesis in isolated cells of Snell rat adrenocortical carcinoma 494. Mason JI, et al. **Mol Cell Endocrinol** 12(3):299–308, Dec 78

[N-terminal amino acid sequence of 20S, 22R-cholesterol

hydroxylating cytochrome P-450 from bovine adrenal cortex mitochondria] Akhrem AA, et al. **Dokl Akad Nauk SSSR** 243(2):505-7, 1978 **(Rus)**

PATHOLOGY

Adrenal cortical nodules [letter] Tchertkoff V, et al. **Arch Pathol Lab Med** 103(2):100, Feb 79

Testosterone-indued focal myocarditis in rats. II. Morphological and biochemical observations of the adrenal in relation to the pathogenetical mechanism of cardiac lesions. Imai K, et al. **J Toxicol Sci** 3(3):229-41, Aug 78

Effect of dimercaptosuccinic acid on toxicity of Habu snake (Trimeresurus flavoviridis, Hallowell) venom. Kurihara N. **Jpn J Pharmacol** 28(4):553-60, Aug 78

Stereological study of the zona fasciculata of the adrenal cortex in stress situations (hypothermia, catabolism). Rohr HP, et al. **Pathol Res Pract** 162(4):380-97, Aug 78

PHYSIOLOGY

Pituitary adrenocortical response to stress during the first day of post-natal life in the rat. Corbier P, et al. **Biol Neonate** 34(3-4):105-11, 1978

Adrenocortical activity in female rats following long-term exposure to treadmill running. Chandra AM, et al. **Endokrinologie** 72(2):239-42, May 78

The interpretation of physiological correlates of differential housing in laboratory rats. Brain P, et al. **Life Sci** 24(2):99-115, 8 Jan 79 (107 ref.)

The pineal, a tranquillizing organ? Romijn HJ. **Life Sci** 23(23):2257-73, 4 Dec 78 (113 ref.)

Developmental changes in rat adrenocortical cell membrane potential. Lymangrover J, et al. **Mech Ageing Dev** 8(6):377-82, Dec 78

Effect of adrenalectomy on temporal patterns of serum gonadotropin levels. Dunn JD, et al. **Neuroendocrinology** 27(3-4):126-35, 1978

Effects of the duration of individual or group housing on behavioural and adrenocortical reactivity in male mice. Goldsmith JF, et al. **Physiol Behav** 21(5):757-60, Nov 78

Thermal control of mother-young contact in rats. Leon M, et al. **Physiol Behav** 21(5):79O-811, Nov 78

Stimulation of in vitro activation and the acrosome reaction of hamster spermatozoa by catecholamines. Cornett LE, et al. **Proc Natl Acad Sci USA** 75(10):4954-8, Oct 78

Parturition in rodents. Nathanielsz PW. **Semin Perinatol** 2(3):223-34, Jul 78 (86 ref.)

[Age and the relationship between temperature and the cell membrane repolarization process in the adrenal cortex] Gorban' EN. **Biull Eksp Biol Med** 86(12):651-3, Dec 78 (Eng. Abstr.) **(Rus)**

[Adrenocortical function during discontinuous administration of triamcinolone] De Spada EF, et al. **Medicina (B Aires)** 38(5):502-6, Sep-Oct 78 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Adrenal function testing. Dluhy RG. **Compr Ther** 4(12):53-9, Dec 78

Insulin deficient diabetes. Contrasts with other endocrine deficiencies. Nabarro JD, et al. **Diabetologia** 16(1):5-12, Jan 79 (22 ref.)

Endocrine abnormalities associated with chronic renal failure. Lim VS, et al. **Med Clin North Am** 62(6):1341-61, Nov 78 (75 ref.)

Adrenal activity in anorexia nervosa. Walsh BT, et al. **Psychosom Med** 40(6):499-506, Oct 78

Free plasma 11-hydroxycorticosteroids and the response to beta1-24-corticotrophin in regular haemodialysis patients. Thysell H, et al. **Scand J Urol Nephrol** 13(1):95-9, 1979

[Adrenal cortical activity in premature labor] Markovski N, et al. **Akush Ginekol (Sofiia)** 17(6):391-6, 1978 (Eng. Abstr.) **(Bul)**

[Adrenocortical function in obese children] Kiss P, et al. **Cesk Pediatr** 33(10):606-9, Oct 78 (Eng. Abstr.) **(Cze)**

[Determination of adrenal cortex function following acute myocardial infarct undergoing rehabilitation treatment in a sanatorium] Mądro A. **Pol Tyg Lek** 33(51):1969-71, 18 Dec 78 (Eng. Abstr.) **(Pol)**

[Dynamics of the adrenal cortex activity and tyrosine content of blood in influenza] Rass IT, et al. **Ter Arkh** 50(12):107-9, 1978 (Eng. Abstr.) **(Rus)**

SECRETION

Corticotropin responsiveness in the neonatal rat. Guillet R, et al. **Neuroendocrinology** 27(3-4):119-25, 1978

ULTRASTRUCTURE

Ultrastructural changes in the adrenal cortex of rats exposed to extremely low temperatures. Vazquez R, et al. **Anat Histol Embryol** 7(4):289-99, Dec 78

Biochemical and morphological characteristics of bovine adrenal cortex plasma membrane [proceedings] Pecheux F, et al. **Arch Int Physiol Biochim** 86(4):879-80, Oct 78

Aspects of the ultrastructure and function of the human fetal adrenal cortex. Johannisson E. **Contrib Gynecol Obstet** 5:109-30, 1979 (74 ref.)

Determination of the numerical density of spherical and ellipsoidal particles in the adrenal zona glomerulosa, based on distribution measurements. I. Methods. Lustyik G, et al. **Exp Pathol (Jena)** 15(5):260-70, 1978

Testosterone-indued focal myocarditis in rats. II. Morphological and biochemical observations of the adrenal in relation to the pathogenetical mechanism of cardiac lesions. Imai K, et al. **J Toxicol Sci** 3(3):229-41, Aug 78

Stereological study of the zona fasciculata of the adrenal cortex in stress situations (hypothermia, catabolism). Rohr HP, et al. **Pathol Res Pract** 162(4):380-97, Aug 78

[Histofunctional aspects of the rat adrenals following administration of ethinyl estradiol (histological study)] Breda M, et al. **Boll Soc Ital Biol Sper** 54(1):105-10, 15 Jan 78 **(Ita)**

ADRENAL CORTEX FUNCTION TESTS

Assessment of adrenocortical function in asthmatic patients on long-term triamcinolone acetonide treatment. Droszcz W, et al. **Ann Allergy** 42(1):41-3, Jan 79

Flunisolide in chronic bronchial asthma. Webb DR, et al. **Ann Allergy** 42(2):80-2, Feb 79

Free plasma 11-hydroxycorticosteroids and the response to beta1-24-corticotrophin in regular haemodialysis patients. Thysell H, et al. **Scand J Urol Nephrol** 13(1):95-9, 1979

[Adrenal cortical activity in premature labor] Markovski N, et al. **Akush Ginekol (Sofiia)** 17(6):391-6, 1978 (Eng. Abstr.) **(Bul)**

[Steroid-examinations in serum of old men as a functional testing of the suprarenal glands (author's transl)] Freund E, et al. **ZFA (Dresden)** 33(3):273-7, 1978 (Eng. Abstr.) **(Ger)**

[ECG changes in the active form of Itsenko-Cushing disease and in a state of clinical remission] Ryzhikov VD. **Zdravookhr Kirg** (6):22-6, Nov-Dec 78 **(Rus)**

ADRENAL GLANDS

ABNORMALITIES

Congenital hypopituitarism in female infants. Its association with hypoglycemia and hypothyroidism. Kauschansky A, et al. **Am J Dis Child** 133(2):165-9, Feb 79

ANALYSIS

Simultaneous determination of endogenous norepinephrine and dopamine-beta-hydroxylase activity in biological materials by chemical ionization mass fragmentography. Hashimoto Y, et al. **J Chromatogr** 168(1):59-68, 11 Jan 79

[The effect of various organochlorine pesticides on the immunologic reactivity of the white rat] Giurgea R, et al. **Arch Exp Veterinaermed** 32(5):769-74, 1978 (Eng. Abstr.) **(Ger)**

[Changes in the content of eosinophils, corticosterone and catecholamines during liver regeneration following resection] Malyshev VV, et al. **Biull Eksp Biol Med** 86(12):663-4, Dec 78 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Effect of acute and chronic elevated air temperatures, constant (34 degrees) and cyclic (10--34 degrees), on brain and heart norepinephrine of male Japanese quail. Braganza A, et al. **Gen Comp Endocrinol** 36(2):233-7, Oct 78

Effect of stilbestrol on adrenals and prostate in rats. Vad LB, et al. **Indian J Med Res** 68:769-73, Nov 78

The interpretation of physiological correlates of differential housing in laboratory rats. Brain P, et al. **Life Sci** 24(2):99-115, 8 Jan 79 (107 ref.)

BLOOD SUPPLY

Peripheral and adrenal venous levels of steroids in a patient

with virilizing adrenal adenoma. Granoff AB, et al. **Obstet Gynecol** 53(1):111–5, Jan 79

Portal circulations and their relation to counter-current systems. Henderson JR, et al. **Q J Exp Physiol** 63(4):355–69, Oct 78

[Primary hyperaldosteronism due to bilateral adrenal hyperplasia of the adrenals. Study based upon one case and a review of the literature (author's transl)] Herpin D, et al. **Ann Med Interne (Paris)** 129(10):557–64, Oct 78 (50 ref.) (Eng. Abstr.) **(Fre)**

CYTOLOGY

ACTH stimulates late steps in cortisol biosynthesis. McKenna TJ, et al. **Acta Endocrinol (Copenh)** 90(1):122–32, Jan 79

Electron microscopic study of the response of the adrenocortical X-zone in mice treated with sex steroids. Tomooka Y, et al. **Cell Tissue Res** 194(2):269–77, 20 Nov 78

DRUG EFFECTS

Changes in the plasma levels of androstenedione, dehydroepiandrosterone and cortisol after stimulation with ACTH and hCG and suppression with dexamethasone during male puberty. Herrera-Justiniano E, et al. **Acta Endocrinol (Copenh)** 90(1):113–21, Jan 79

Histochemical studies on the long term prostaglandin treatment on adrenal delta5-3beta-hydroxysteroid dehydrogenase and glucose-6-phosphate dehydrogenase activities in rats pretreated with estradiol dipropionate. Sanyal S, et al. **Anat Anz** 144(3):214–9, 1978

The effect of veratridine on the release of catecholamines from the perfused adrenal gland. Ito S, et al. **Br J Pharmacol** 65(2):319–30, Feb 79

Electron microscopic study of the response of the adrenocortical X-zone in mice treated with sex steroids. Tomooka Y, et al. **Cell Tissue Res** 194(2):269–77, 20 Nov 78

Experience with 6-aminoglutethimide in the treatment of metastatic breast cancer. Koelmeyer TD, et al. **Clin Oncol** 4(4):323–7, Dec 78

Adrenal function testing. Dluhy RG. **Compr Ther** 4(12):53–9, Dec 78

Angiotensin II mediation of adrenal catecholamine secretion induced by intrarenal isoprenaline infusion. Feuerstein G, et al. **Eur J Pharmacol** 52(3–4):375–7, 1 Dec 78

Effect of stilbestrol on adrenals and prostate in rats. Vad LB, et al. **Indian J Med Res** 68:769–73, Nov 78

Morphometric study of the reversibility of testicle alterations in rats submitted to hypervitaminosis A. Lamano Carvalho TL, et al. **Int J Vitam Nutr Res** 48(4):316–24, 1978

Morphometric study of testicle alterations in rats submitted to hypervitaminosis A. Lamano Carvalho TL, et al. **Int J Vitam Nutr Res** 48(4):307–15, 1978

Studies on the destruction of adrenal and testicular cytochrome P-450 by spironolactone. Requirement for the 7alpha-thio group and evidence for the loss of the heme and apoproteins of cytochrome P-450. Menard RH, et al. **J Biol Chem** 254(5):1726–33, 10 Mar 79

Effects of polypeptide hormone preparations on steroid production by the human foetal adrenal gland during superfusion [proceedings] Brown TJ, et al. **J Endocrinol** 79(2):60P–61P, Nov 78

Postnatal endocrine dysfunction resulting from prenatal exposure to carbofuran, diazinon or chlordane. Cranmer JS, et al. **J Environ Pathol Toxicol** 2(2):357–69, Nov-Dec 78

Breast carcinoma associated with Klinefelter syndrome: a case report. Brown PW, et al. **J Surg Oncol** 10(5):413–5, 1978

Effect of zinc deficiency and zinc supplementation on adrenals, plasma steroids and thymus in rats. Quarterman J, et al. **Life Sci** 24(2):177–83, 8 Jan 79

The influence of the nervous system upon adrenal gland weight and assayable pituitary MSH. Francis MG, et al. **Neuroendocrinology** 27(5–6):228–38, 1978

Effects of exogenous acetylcholine upon adrenal 17-hydroxycorticosteroid secretion of intact and head X-irradiated dogs. Yamashita K, et al. **Neuroendocrinology** 27(1–2):39–45, 1978

Sexual differentiation of offspring of mothers treated with cortisone during pregnancy. Dahlöf LG, et al. **Physiol Behav** 21(4):673–4, Oct 78

Epinephrine secretion from the perfused adrenal gland produced by scorpion toxin. Jacobs TP, et al. **Toxicol Appl Pharmacol** 46(2):405–9, Nov 78

[Effect of spironolactones on aldosterone synthesis and adrenal metabolism] Aupetit B, et al. **Ann Endocrinol (Paris)** 39(5):355–72, 1978 (Eng. Abstr.) **(Fre)**

[The pill and endocrine diseases] Werner-Zodrow I, et al. **Gynaekol Rundsch** 18(3–4):246–52, 1978 **(Ger)**

[Effect of propranolol and bunotrolol on the sympathico-adrenal activity] Mäurer W, et al. **Verh Dtsch Ges Inn Med** (84):1473–7, 1978 **(Ger)**

[Pathomorphological changes in rat internal organs following long-term administration of neuroleptics] Szczurek Z, et al. **Patol Pol** 29(3):347–58, Jul-Sep 78 (Eng. Abstr.) **(Pol)**

[Adrenocortical function during discontinuous administration of triamcinolone] De Spada EF, et al. **Medicina (B Aires)** 38(5):502–6, Sep-Oct 78 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

Effects of polypeptide hormone preparations on steroid production by the human foetal adrenal gland during superfusion [proceedings] Brown TJ, et al. **J Endocrinol** 79(2):60P–61P, Nov 78

[Adenylate cyclase activity in human embryo adrenals] Ryzhavskiĭ BIa. **Probl Endokrinol (Mosk)** 25(1):28–30, Jan-Feb 79 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Catalases and peroxidases histochemical detection; techniques suitable to discriminate these enzymes. Silveira SR, et al. **Acta Histochem (Jena)** 63(1):1–10, 1978

Histochemical studies on the long term prostaglandin treatment on adrenal delta5-3beta-hydroxysteroid dehydrogenase and glucose-6-phosphate dehydrogenase activities in rats pretreated with estradiol dipropionate. Sanyal S, et al. **Anat Anz** 144(3):214–9, 1978

Early increase in phenylethanolamine-N-methyltransferase activity in a new strain of spontaneously hypertensive rats. Renaud B, et al. **Brain Res** 159(1):149–59, 22 Dec 78

Seasonal variation in adrenal 11beta-hydroxysteroid dehydrogenase activity in the meadow vole (Microtus pennsylvanicus). Ungar F, et al. **Gen Comp Endocrinol** 36(1):111–8, Sep 78

Meldola blue: a new electron carrier for the histochemical demonstration of dehydrogenases (SDH, LDH, G-6-PDH). Kugler P, et al. **Histochemistry** 59(2):97–109, 29 Dec 78

Studies on the destruction of adrenal and testicular cytochrome P-450 by spironolactone. Requirement for the 7alpha-thio group and evidence for the loss of the heme and apoproteins of cytochrome P-450. Menard RH, et al. **J Biol Chem** 254(5):1726–33, 10 Mar 79

Time course of the development of neurotransmitter synthesizing enzymes in the superior cervical ganglion and adrenal gland of the hamster. Jonas P, et al. **J Neurochem** 32(1):241–3, Jan 79

Studies on SK&F 29661, an organ-specific inhibitor of phenylethanolamine N-methyltransferase. Pendleton RG, et al. **J Pharmacol Exp Ther** 208(1):24–30, Jan 79

Increase of ornithine decarboxylase activity elicited by reserpine in the peripheral and central monoaminergic systems of the rat. Deckardt K, et al. **Neurochem Res** 3(6):745–53, Dec 78

Brain and adrenal tyrosine hydroxylase activity after chronic footshock stress. Stone EA, et al. **Pharmacol Biochem Behav** 9(4):551–3, Oct 78

[Adenylate cyclase activity in human embryo adrenals] Ryzhavskiĭ BIa. **Probl Endokrinol (Mosk)** 25(1):28–30, Jan-Feb 79 (Eng. Abstr.) **(Rus)**

[Isoenzymatic characteristics of the adrenals under the effect of extreme factors] Korovnikov KA. **Vestn Akad Med Nauk SSSR** (2):38–48, 1979 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

The effect of hypothalamic hemi-islands on compensatory adrenal growth. Holzwarth MA, et al. **Brain Res** 162(1):33–43, 16 Feb 79

Time course of the development of neurotransmitter synthesizing enzymes in the superior cervical ganglion and adrenal gland of the hamster. Jonas P, et al. **J Neurochem** 32(1):241–3, Jan 79

IMMUNOLOGY

Suitability of leukocyte migration test in assessing immune pathology in rabbits. Vakharia DD, et al. **Indian J Med Res** 68:805–10, Nov 78

INJURIES

[Special aspects of retroperitoneal trauma in children (author's transl)] Flach A. **Langenbecks Arch Chir** 347:193–7, Nov 78 (Eng. Abstr.) **(Ger)**

INNERVATION

The effect of hypothalamic hemi-islands on compensatory adrenal growth. Holzwarth MA, et al. **Brain Res** 162(1):33-43, 16 Feb 79

Choline administration to the rat increases urinary catecholamines. Scally MC, et al. **J Neural Transm** 43(2):103-12, 1978

Does the presence of nerve fibres in the autotransplanted adrenal gland of the sheep indicate extrinsic reinnervation? [proceedings] Harrison FA, et al. **J Physiol (Lond)** 284:3P-4P, Nov 78

METABOLISM

Distribution of tritium-labelled 8-methoxypsoralen in the rat, studied by whole body autoradiography. Wulf HC, et al. **Acta Derm Venereol (Stockh)** 59(2):97-103, 1979

ACTH stimulates late steps in cortisol biosynthesis. McKenna TJ, et al. **Acta Endocrinol (Copenh)** 90(1):122-32, Jan 79

The effect of veratridine on the release of catecholamines from the perfused adrenal gland. Ito S, et al. **Br J Pharmacol** 65(2):319-30, Feb 79

Exocytotic release of catecholamines and dopamine-beta-hydroxylase from the perfused adrenal gland of the rabbit and cat. Sorimachi M, et al. **Br J Pharmacol** 65(1):117-25, Jan 79

Alterations of adrenal and uterine angiotensin II receptors during variation of sodium intake and/or experimental hypertension. Devynck MA, et al. **Clin Sci Mol Med** 55 Suppl 4:171S-174S, Dec 78

Steroidogenic and pressor activity of angiotensin analogues in the rat. Khairallah PA, et al. **Clin Sci Mol Med** 55 Suppl 4:175s-177s, Dec 78

Angiotensin II mediation of adrenal catecholamine secretion induced by intrarenal isoprenaline infusion. Feuerstein G, et al. **Eur J Pharmacol** 52(3-4):375-7, 1 Dec 78

Close relation between hypothalamic and cardiac norepinephrine during stress and its role in acute myocardial infarction disrhythmias. Martinez-Sierra R, et al. **Experientia** 34(12):1611-3, 15 Dec 78

Effects of polypeptide hormone preparations on steroid production by the human foetal adrenal gland during superfusion [proceedings] Brown TJ, et al. **J Endocrinol** 79(2):60P-61P, Nov 78

Studies on the distribution of steroid between medium and tissue after incubation of rat adrenal glands in vitro [proceedings] Sibley CP, et al. **J Endocrinol** 79(2):63P-64P, Nov 78

Postnatal endocrine dysfunction resulting from prenatal exposure to carbofuran, diazinon or chlordane. Cranmer JS, et al. **J Environ Pathol Toxicol** 2(2):357-69, Nov-Dec 78

Testosterone-indued focal myocarditis in rats. II. Morphological and biochemical observations of the adrenal in relation to the pathogenetical mechanism of cardiac lesions. Imai K, et al. **J Toxicol Sci** 3(3):229-41, Aug 78

Effect of zinc deficiency and zinc supplementation on adrenals, plasma steroids and thymus in rats. Quarterman J, et al. **Life Sci** 24(2):177-83, 8 Jan 79

Effects of exogenous acetylcholine upon adrenal 17-hydroxycorticosteroid secretion of intact and head X-irradiated dogs. Yamashita K, et al. **Neuroendocrinology** 27(1-2):39-45, 1978

Gonadal luteinizing hormone receptors and adenylate cyclase: transfer of functional ovarian luteinizing hormone receptors to adrenal fasciculata cells. Dufau ML, et al. **Proc Natl Acad Sci USA** 75(10):4769-73, Oct 78

Hormonal control of parturition in the sheep and goat. Thorburn GD. **Semin Perinatol** 2(3):235-45, Jul 78 (64 ref.)

Gonadotropin receptors and regulation of steroidogenesis in the testis and ovary. Dufau ML, et al. **Vitam Horm** 36:461-592, 1978 (269 ref.)

[Effect of spironolactones on aldosterone synthesis and adrenal metabolism] Aupetit B, et al. **Ann Endocrinol (Paris)** 39(5):355-72, 1978 (Eng. Abstr.) **(Fre)**

[2alpha-Hydroxylation of 5alpha-dihydrotestosterone in the lung of guinea pigs (author's transl)] Lemm U, et al. **Hoppe Seylers Z Physiol Chem** 360(1):35-8, Jan 79 (Eng. Abstr.) **(Ger)**

[Effect of inhalation anesthetics on respiratory system and steroid hydroxylations in rat adrenal mitochondria (author's transl)] Kudo M. **Masui** 28(1):17-26, Jan 79 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Congenital hypopituitarism in female infants. Its association with hypoglycemia and hypothyroidism. Kauschansky A, et al. **Am J Dis Child** 133(2):165-9, Feb 79

Surgical treatment of primary aldosteronism. Sipponen J, et al. **Ann Chir Gynaecol** 67(5):174-9, 1978

Adrenal function testing. Dluhy RG. **Compr Ther** 4(12):53-9, Dec 78

Genetics and pathology of hereditary adrenal hyperplasia in the rabbit: a model for congenital lipoid adrenal hyperplasia. Fox RR, et al. **J Hered** 69(4):251-4, Jul-Aug 78

Testosterone-indued focal myocarditis in rats. II. Morphological and biochemical observations of the adrenal in relation to the pathogenetical mechanism of cardiac lesions. Imai K, et al. **J Toxicol Sci** 3(3):229-41, Aug 78

[Primary hyperaldosteronism due to bilateral adrenal hyperplasia of the adrenals. Study based upon one case and a review of the literature (author's transl)] Herpin D, et al. **Ann Med Interne (Paris)** 129(10):557-64, Oct 78 (50 ref.) (Eng. Abstr.) **(Fre)**

[Pathomorphological changes in rat internal organs following long-term administration of neuroleptics] Szczurek Z, et al. **Patol Pol** 29(3):347-58, Jul-Sep 78 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Glucocorticoid modulation of prolactin receptors on mammary cells of lactating mice. Sakai S, et al. **Biochim Biophys Acta** 582(1):79-88, 4 Jan 79

Physiologic correlates of puberty. Nelson RM. **Clin Obstet Gynecol** 21(4):1137-49, Dec 78

Morphologic changes in the thymus and adrenals of rats after sialoadenectomy or sialoadenectomy combined with thymectomy. Paulo E, et al. **Folia Biol (Krakow)** 26(4):277-86, 1978

Hormonal regulation of cAMP-independent protein phosphokinase activities: thyroxine and cortisol control of enzymes from rat liver cytosol. Pavlovic-Hournac M, et al. **Mol Cell Endocrinol** 12(3):255-65, Dec 78

The influence of the nervous system upon adrenal gland weight and assayable pituitary MSH. Francis MG, et al. **Neuroendocrinology** 27(5-6):228-38, 1978

Adrenal and ovarian regulation of salt and sucrose consumption. Seidenstadt RM, et al. **Physiol Behav** 21(3):313-6, Sep 78

Effects of adrenalectomy on maternal behavior in pregnancy-terminated rats. Siegel HI, et al. **Physiol Behav** 21(5):831-3, Nov 78

Endocrine factors in the modulation of food intake. Bray GA. **Proc Nutr Soc** 37(3):301-9, Dec 78 (53 ref.)

The effect of abdominal evisceration or adrenalectomy on insulin choleresis. Austin GA, et al. **Proc Soc Exp Biol Med** 160(1):50-4, Jan 79

The effects of selected barbituric acid analogues on glycemic responses in mice. Wright GA, et al. **Proc Soc Exp Biol Med** 160(2):241-5, Feb 79

Control of parturition in subhuman primates. Challis JR, et al. **Semin Perinatol** 2(3):247-60, Jul 78 (66 ref.)

Initiation of parturition in the human female. MacDonald PC, et al. **Semin Perinatol** 2(3):273-86, Jul 78

Introduction: history and problems of compensatory adaptation of renal functions and of compensatory hypertrophy of the kidney. Peters G. **Yale J Biol Med** 51(3):235-45, May-Jun 78

[Causes of the onset of labor] Katsulov A. **Akush Ginekol (Sofiia)** 17(6):447-56, 1978 (61 ref.) (Eng. Abstr.) **(Bul)**

[Early effect of adrenalectomy and castration on the demethylating activity of the liver microsomal fraction in male rats] Angelov E. **Eksp Med Morfol** 17(4):182-6, 1978 (Eng. Abstr.) **(Bul)**

[The role of the adrenal gland in sex determination of the duck embryo] van Deth JH, et al. **Acta Morphol Neerl Scand** 16(4):257-66, Nov 78 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Failure to suppress adrenal function in congenital adrenal hyperplasia (21-hydroxylase deficiency). Three case reports. Beazley JM, et al. **Br J Obstet Gynaecol** 85(12):965-9, Dec 78

[Pulmonary hyaline membranes in newborns and adults - morphology and pathogenesis (literature review). Part 2. Pathogenesis] Kretschmar K, et al. **Z Aerztl Fortbild (Jena)** 72(21):1009-13, 1 Nov 78 (89 ref.) **(Ger)**

RADIATION EFFECTS

Effects of exogenous acetylcholine upon adrenal 17-hydroxycorticosteroid secretion of intact and head X-irradiated dogs. Yamashita K, et al. **Neuroendocrinology** 27(1-2):39-45, 1978

RADIOGRAPHY

Computed tomography in the diagnosis of adrenal disease. Korobkin M, et al. **AJR** 132(2):231–8, Feb 79

Surgical treatment of primary aldosteronism. Sipponen J, et al. **Ann Chir Gynaecol** 67(5):174–9, 1978

RADIONUCLIDE IMAGING

Application of the double isotope technique for visualization of the location of the adrenal glands. Ogawa Y, et al. **Bull Osaka Med Sch** 24(1):7–15, Jul 78

[Use of pharmacological preparations for the purpose of improving the visualization of the adrenals with 19-iodocholesterol-131I] Slavnov VN, et al. **Med Radiol (Mosk)** 24(1):37–41, Jan 79 (Eng. Abstr.) **(Rus)**

SECRETION

Studies on the distribution of steroid between medium and tissue after incubation of rat adrenal glands in vitro [proceedings] Sibley CP, et al. **J Endocrinol** 79(2):63P–64P, Nov 78

Spontaneous breast development in an adolescent girl with testicular feminization after castration in early childhood. Andler W, et al. **J Pediatr** 94(2):304–5, Feb 79

Epinephrine secretion from the perfused adrenal gland produced by scorpion toxin. Jacobs TP, et al. **Toxicol Appl Pharmacol** 46(2):405–9, Nov 78

[Effect of adrenocortical hormones on magnesium metabolism] Simões AC, et al. **AMB** 23(1):23–6, Jan 77 **(Por)**

TRANSPLANTATION

Does the presence of nerve fibres in the autotransplanted adrenal gland of the sheep indicate extrinsic reinnervation? [proceedings] Harrison FA, et al. **J Physiol (Lond)** 284:3P–4P, Nov 78

[The role of the adrenal gland in sex determination of the duck embryo] van Deth JH, et al. **Acta Morphol Neerl Scand** 16(4):257–66, Nov 78 (Eng. Abstr.) **(Fre)**

ADRENALECTOMY

Surgical treatment of primary aldosteronism. Sipponen J, et al. **Ann Chir Gynaecol** 67(5):174–9, 1978

Failure to suppress adrenal function in congenital adrenal hyperplasia (21-hydroxylase deficiency). Three case reports. Beazley JM, et al. **Br J Obstet Gynaecol** 85(12):965–9, Dec 78

The effect of hypothalamic hemi-islands on compensatory adrenal growth. Holzwarth MA, et al. **Brain Res** 162(1):33–43, 16 Feb 79

Comparison of the effect of various doses of thyroxine on jejunal disaccharidases in intact and adrenalectomized rats during the first 3 weeks of life. Jumawan J, et al. **Enzyme** 23(3):206–9, 1978

Sodium excretion after bilateral adrenalectomy in rats with experimental cirrhosis. Lopez-Novoa JM, et al. **Experientia** 34(12):1613–4, 15 Dec 78

Morphologic changes in the thymus and adrenals of rats after sialoadenectomy or sialoadenectomy combined with thymectomy. Paulo E, et al. **Folia Biol (Krakow)** 26(4):277–86, 1978

Effect of zinc deficiency and zinc supplementation on adrenals, plasma steroids and thymus in rats. Quarterman J, et al. **Life Sci** 24(2):177–83, 8 Jan 79

Source of ACTH in Cushing's disease [letter] Wahl TO, et al. **N Engl J Med** 300(12):679, 22 Mar 79

Effect of adrenalectomy on temporal patterns of serum gonadotropin levels. Dunn JD, et al. **Neuroendocrinology** 27(3–4):126–35, 1978

The influence of the nervous system upon adrenal gland weight and assayable pituitary MSH. Francis MG, et al. **Neuroendocrinology** 27(5–6):228–38, 1978

Effects of adrenalectomy and constant light on the rat estrous cycle. Hoffmann JC. **Neuroendocrinology** 27(5–6):247–56, 1978

Phaeochromocytoma: notable advance in management. Perkins CM. **Nurs Mirror** 148(6):36–8, 8 Feb 79

Adrenal and ovarian regulation of salt and sucrose consumption. Seidenstadt RM, et al. **Physiol Behav** 21(3):313–6, Sep 78

Effects of adrenalectomy on maternal behavior in pregnancy-terminated rats. Siegel HI, et al. **Physiol Behav** 21(5):831–3, Nov 78

Ventricular tachycardia induced by pacemaker stimuli during late diastole. Occurrence with pheochromocytoma. Quan SF, et al. **Postgrad Med** 65(1):247, 250–1, Jan 79

The effect of abdominal evisceration or adrenalectomy on insulin choleresis. Austin GA, et al. **Proc Soc Exp Biol Med** 160(1):50–4, Jan 79

Effects of adrenalectomy on thyroid function and insulin levels in obese (ob/ob) mice. Yukimura Y, et al. **Proc Soc Exp Biol Med** 159(3):364–7, Dec 78

Hormone receptors: their role in predicting prognosis and response to endocrine therapy. McGuire WL. **Semin Oncol** 5(4):428–33, Dec 78

[Early effect of adrenalectomy and castration on the demethylating activity of the liver microsomal fraction in male rats] Angelov E. **Eksp Med Morfol** 17(4):182–6, 1978 (Eng. Abstr.) **(Bul)**

[Arterial claudication] Levy JB, et al. **Phlebologie** 31(4):363–9, Oct–Dec 78 (Eng. Abstr.) **(Fre)**

[Postoperative long-term results in patients with primary aldosteronism] Philipp T, et al. **Verh Dtsch Ges Inn Med** (84):834–7, 1978 **(Ger)**

[Effect of adrenocortical hormones on magnesium metabolism] Simões AC, et al. **AMB** 23(1):23–6, Jan 77 **(Por)**

[Free fatty acid concentration in the muscles of adrenalectomized rats during activity] Korkach VI, et al. **Patol Fiziol Eksp Ter** (6):75–6, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Primary aldosteronism treated by bilateral resection of the adrenal glands] Dimković D, et al. **Med Pregl** 31(11–12):477–80, 1978 (Eng. Abstr.) **(Scc)**

METHODS

Hypothalmic-pituitary-adrenal function of untreated longterm survivors following subtotal adrenalectomy for Cushing's disease. Kennedy AL, et al. **Ir J Med Sci** 147(12):420–4, Dec 78

[Bilateral adrenalectomy in the treatment of advanced breast cancer] Neto JB. **AMB** 23(1):17–20, Jan 77 (Eng. Abstr.) **(Por)**

MORTALITY

[Bilateral adrenalectomy in the treatment of advanced breast cancer] Neto JB. **AMB** 23(1):17–20, Jan 77 (Eng. Abstr.) **(Por)**

PITUITARY-ADRENAL FUNCTION TESTS

Adrenal function testing. Dluhy RG. **Compr Ther** 4(12):53–9, Dec 78

Radioimmunoassay (RIA) and other saturation assay techniques in clinical medicine. Hazra DK, et al. **J Assoc Physicians India** 26(2):95–101, Feb 78

Adolescent secondary amenorrhea: association with hypothalamic hypothyroidism. Kramer MS, et al. **J Pediatr** 94(2):300–3, Feb 79

Hydrocephalus and amenorrhea. Jawadi MH, et al. **Obstet Gynecol** 53(2):263–6, Feb 79

Coexistent empty sella and prolactin-secreting microadenoma. Swanson JA, et al. **Obstet Gynecol** 53(2):258–63, Feb 79

[Steroid-examinations in serum of old men as a functional testing of the suprarenal glands (author's transl)] Freund E, et al. **ZFA (Dresden)** 33(3):273–7, 1978 (Eng. Abstr.) **(Ger)**

METHODS

Simple test for nocturnal hypoglycaemia in diabetic patients. Moore RA, et al. **Lancet** 1(8113):409–10, 24 Feb 79

II. *Disorders of the Adrenal Glands*

ADDISON'S DISEASE

BLOOD

Immunoreactive beta-MSH in human plasma and in a corticotrophic adenoma culture medium. Its relation to the lipotrophins. Bertagna X, et al. **Acta Endocrinol (Copenh)** 90(1):8–17, Jan 79

Presence of immunoreactive beta-endorphin in plasma of patients with Nelson's syndrome and Addison's disease. Nakai Y, et al. **Life Sci** 23(23):2293–8, 4 Dec 78

CHEMICALLY INDUCED

Addisonian syndrome associated with treosulfan [letter] Fennelly JJ. **Lancet** 1(8107):106, Jan 79

COMPLICATIONS

Saline-resistant hyperkalemia in Addison's disease [letter] Braithwaite SS, et al. **Ann Intern Med** 90(1):133, Jan 79

DIAGNOSIS

[Muscle flaccidity as a leading and warning symptom in endocrinopathies] Pongratz D, et al. **Verh Dtsch Ges Inn Med** (84):846–52, 1978 (35 ref.) **(Ger)**

[Adrenocortical insufficiency in surgical patients (author's transl)] Boeck G, et al. **Zentralbl Chir** 104(1):70–4, 1979 **(Ger)**

DRUG THERAPY

[Inhibition of ACTH hypersecretion in Addison's disease by serotonin-antagonistic agents] Fehm HL, et al. **Verh Dtsch Ges Inn Med** (84):1463–5, 1978 **(Ger)**

[Maximal induction onset and induction time of drug catabolizing human enzymes after administration of rifampicin] Fleischmann R, et al. **Verh Dtsch Ges Inn Med** (84):1608–12, 1978 **(Ger)**

[Addison's disease and pregnancy] Gundersen T. **Tidsskr Nor Laegeforen** 99(2):87–8, 20 Jan 79 (Eng. Abstr.) **(Nor)**

FAMILIAL & GENETIC

Auto-immune Addison's disease in identical twins. Simmonds JP, et al. **Postgrad Med J** 54(634):552–4, Aug 78

IMMUNOLOGY

Auto-immune Addison's disease in identical twins. Simmonds JP, et al. **Postgrad Med J** 54(634):552–4, Aug 78

[HLA and diseases. Physiopathological role of major histocompatibility complex (continued)] Muller JY. **Rev Fr Transfus Immunohematol** 21(4):993–1019, Sep 78 **(Fre)**

ADENOMA, VIRILIZING

BLOOD

Peripheral and adrenal venous levels of steroids in a patient with virilizing adrenal adenoma. Granoff AB, et al. **Obstet Gynecol** 53(1):111–5, Jan 79

SECRETION

Peripheral and adrenal venous levels of steroids in a patient with virilizing adrenal adenoma. Granoff AB, et al. **Obstet Gynecol** 53(1):111–5, Jan 79

ADRENAL CORTEX DISEASES

DRUG THERAPY

[Cortisol plasma concentration in patients with primary adrenal cortex insufficiency during substitution therapy with cortisone acetate] Allolio B, et al. **Verh Dtsch Ges Inn Med** (84):1456–8, 1978 **(Ger)**

[Prednisolone determination in patients with adrenal cortex insufficiency] von Papen C, et al. **Verh Dtsch Ges Inn Med** (84):1453–5, 1978 **(Ger)**

ADRENAL CORTEX NEOPLASMS

Adrenal cortical carcinoma. Sullivan M, et al. **J Urol** 120(6):660–5, Dec 78

COMPLICATIONS

[Primary aldosteronism treated by bilateral resection of the adrenal glands] Dimković D, et al. **Med Pregl** 31(11–12):477–80, 1978 (Eng. Abstr.) **(Scc)**

DIAGNOSIS

Adrenal cortical carcinoma. Sullivan M, et al. **J Urol** 120(6):660–5, Dec 78

Adrenal cortical tumors in children. Zaitoon MM, et al. **Urology** 12(6):645–9, Dec 78

DRUG THERAPY

o,p'--DDD and adrenal carcinoma. McKiernan P, et al. **Ir J Med Sci** 147(12):437–40, Dec 78

METABOLISM

Altered cyclic AMP-dependent protein kinase activity in a mutant adrenocortical tumor cell line. Gutmann NS, et al. **J Cell Physiol** 97(3 Pt 2 Suppl 1):451–60, Dec 78

PATHOLOGY

Adrenal cortical carcinoma. Sullivan M, et al. **J Urol** 120(6):660–5, Dec 78

Adrenal cortical tumors in children. Zaitoon MM, et al. **Urology** 12(6):645–9, Dec 78

[Solitary adenomas of the adrenal cortex in routine autopsies (author's transl)] Belicza M, et al. **Lijec Vjesn** 100(8):478–81, Aug 78 (Eng. Abstr.) **(Scr)**

RADIONUCLIDE IMAGING

o,p'--DDD and adrenal carcinoma. McKiernan P, et al. **Ir J Med Sci** 147(12):437–40, Dec 78

SURGERY

Adrenal cortical tumors in children. Zaitoon MM, et al. **Urology** 12(6):645–9, Dec 78

[Postoperative long-term results in patients with primary aldosteronism] Philipp T, et al. **Verh Dtsch Ges Inn Med** (84):834–7, 1978 **(Ger)**

[Primary aldosteronism treated by bilateral resection of the adrenal glands] Dimković D, et al. **Med Pregl** 31(11–12):477–80, 1978 (Eng. Abstr.) **(Scc)**

THERAPY

Adrenal cortical carcinoma. Sullivan M, et al. **J Urol** 120(6):660–5, Dec 78

ADRENAL GLAND DISEASES

[Hyperplasia of the adrenal medulla] Scorza R, et al. **Minerva Med** 69(55):3785–94, 14 Nov 78 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

[Hyperplasia of the adrenal medulla] Scorza R, et al. **Minerva Med** 69(55):3785–94, 14 Nov 78 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Body ultrasonography (second of two parts). Ferrucci JT Jr. **N Engl J Med** 300(11):590–602, 15 Mar 79 (195 ref.)

[Age factors in adrenal tumors in children] Hofmann S. **Acta Paediatr Acad Sci Hung** 19(3):253–62, 1978 **(Ger)**

[Sonography and phlebography in the investigation of the suprarenals (author's transl)] Hofer B, et al. **ROEFO** 129(6):686–91, Dec 78 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Computed tomography in the diagnosis of adrenal disease. Korobkin M, et al. **AJR** 132(2):231–8, Feb 79

Calcified adrenal cysts. Singh RP, et al. **W Va Med J** 75(1):4–7, Jan 79

[Sonography and phlebography in the investigation of the suprarenals (author's transl)] Hofer B, et al. **ROEFO** 129(6):686–91, Dec 78 (Eng. Abstr.) **(Ger)**

[The iliac route for pneumoretroperitoneum (author's transl)] Granone A, et al. **Radiol Med (Torino)** 64(5):523–30, May 78 **(Ita)**

SURGERY

Calcified adrenal cysts. Singh RP, et al. **W Va Med J** 75(1):4–7, Jan 79

ADRENAL GLAND HYPERFUNCTION

BLOOD

17-Hydroxyprogesterone in normal children and congenital adrenal hyperplasia. Measurement in serum by radioimmunoassay after thin-layer chromatography. Petersen KE, et al. **Acta Paediatr Scand** 68(2):205–11, Mar 79

COMPLICATIONS

Hypoglycaemia and congenital adrenal hyperplasia. Gemelli M, et al. **Acta Paediatr Scand** 68(2):285–6, Mar 79

CONGENITAL

Hypoglycaemia and congenital adrenal hyperplasia. Gemelli M, et al. **Acta Paediatr Scand** 68(2):285–6, Mar 79

17-Hydroxyprogesterone in normal children and congenital adrenal hyperplasia. Measurement in serum by radioimmunoassay after thin-layer chromatography. Petersen KE, et al. **Acta Paediatr Scand** 68(2):205–11, Mar 79

Test for early detection of adrenal hyperplasia is being developed [news] **Am Fam Physician** 19(1):224, Jan 79

Failure to suppress adrenal function in congenital adrenal hyperplasia (21-hydroxylase deficiency). Three case reports. Beazley JM, et al. **Br J Obstet Gynaecol** 85(12):965–9, Dec 78

No linkage between HLA and congenital adrenal hyperplasia due to 11-beta-hydroxylase deficiency [letter] Brautbar C, et al. **N Engl J Med** 300(4):205–6, 25 Jan 79

DIAGNOSIS

Test for early detection of adrenal hyperplasia is being developed [news] **Am Fam Physician** 19(1):224, Jan 79

[Unusual forms of the congenital adrenal cortex hyperplasia syndrome] Lisá L, et al. **Cesk Pediatr** 33(10):603–5, Oct 78 (Eng. Abstr.) **(Cze)**

DRUG THERAPY

Failure to suppress adrenal function in congenital adrenal hyperplasia (21-hydroxylase deficiency). Three case reports. Beazley JM, et al. **Br J Obstet Gynaecol** 85(12):965–9, Dec 78

FAMILIAL & GENETIC

Test for early detection of adrenal hyperplasia is being developed [news] **Am Fam Physician** 19(1):224, Jan 79

No linkage between HLA and congenital adrenal hyperplasia due to 11-beta-hydroxylase deficiency [letter] Brautbar C, et al. **N Engl J Med** 300(4):205–6, 25 Jan 79

Mapping of the 21-hydroxylase deficiency gene within the HLA linkage group. Yang SY, et al. **Transplant Proc** 10(4):753–5, Dec 78

METABOLISM

Hypothalamic corticotrophin releasing factor activity in dogs with pituitary-dependent hyperadrenocorticism. Meijer JC, et al. **J Endocrinol** 79(2):209–13, Nov 78

Radioimmunoassay of 17alpha-hydroxyprogesterone in whole saliva and parotid fluid of children with congenital adrenal hyperplasia [proceedings] Walker RF, et al. **J Endocrinol** 79(2):64P–65P, Nov 78

PHYSIOPATHOLOGY

Failure to suppress adrenal function in congenital adrenal hyperplasia (21-hydroxylase deficiency). Three case reports. Beazley JM, et al. **Br J Obstet Gynaecol** 85(12):965–9, Dec 78

ADRENAL GLAND HYPOFUNCTION

BLOOD

Hypercalcaemia in adolescent tetraplegic patients: case report and review. Steinberg FU, et al. **Paraplegia** 16(1):60–7, May 78

CLASSIFICATION

Metyrapone test with adrenocorticotrophic levels. Separating primary from secondary adrenal insufficiency. Dolman LI, et al. **JAMA** 241(12):1251–3, 23 Mar 79

COMPLICATIONS

Auricular calcification. Chadwick JM, et al. **Int J Dermatol** 17(10):799–801, Dec 78

Evidence for defective immunoregulation in the syndrome of familial candidiasis endocrinopathy. Arulanantham K, et al. **N Engl J Med** 300(4):164–8, 25 Jan 79

Endocrinologic aspects of failure to thrive. Abrams CA. **Pediatr Ann** 7(11):760–6, Nov 78

[Septo-optic dysplasia with antidiuretic hormone deficiency and central adrenocortical insufficiency. Three cases report in infants (author's transl)] Benoit Gonin JJ, et al. **Nouv Presse Med** 7(37):3327–31, 28 Oct 78 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Combined hypothalamic hypothyroidism and secondary adrenal insufficiency. Misdiagnosed as primary hypothyroidism. Farese RV, et al. **Arch Intern Med** 139(1):99–100, Jan 79

Metyrapone test with adrenocorticotrophic levels. Separating primary from secondary adrenal insufficiency. Dolman LI, et al. **JAMA** 241(12):1251–3, 23 Mar 79

[Adrenocortical insufficiency in surgical patients (author's transl)] Boeck G, et al. **Zentralbl Chir** 104(1):70–4, 1979 **(Ger)**

DRUG THERAPY

[Cortisol plasma concentration in patients with primary adrenal cortex insufficiency during substitution therapy with cortisone acetate] Allolio B, et al. **Verh Dtsch Ges Inn Med** (84):1456–8, 1978 **(Ger)**

[Prednisolone determination in patients with adrenal cortex insufficiency] von Papen C, et al. **Verh Dtsch Ges Inn Med** (84):1453–5, 1978 **(Ger)**

[Substitution corticosteroid therapy in chronic destructive pulmonary tuberculosis] Khutorskaia VD, et al. **Klin Med (Mosk)** 56(12):24–9, Dec 78 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Combined hypothalamic hypothyroidism and secondary adrenal insufficiency. Misdiagnosed as primary hypothyroidism. Farese RV, et al. **Arch Intern Med** 139(1):99–100, Jan 79

[Adrenocortical insufficiency in surgical patients (author's transl)] Boeck G, et al. **Zentralbl Chir** 104(1):70–4, 1979 **(Ger)**

FAMILIAL & GENETIC

Evidence for defective immunoregulation in the syndrome of familial candidiasis endocrinopathy. Arulanantham K, et al. **N Engl J Med** 300(4):164–8, 25 Jan 79

THERAPY

[The cortisol and testosterone substitution in patients with adrenal insufficiency and hypogonadism] Nickelsen T, et al. **Verh Dtsch Ges Inn Med** (84):1448–53, 1978 **(Ger)**

[Adrenocortical insufficiency in surgical patients (author's transl)] Boeck G, et al. **Zentralbl Chir** 104(1):70–4, 1979 **(Ger)**

ADRENAL GLAND NEOPLASMS

On the role of protein synthesis in the response of adrenal tumor cells to ACTH. Nakamura M, et al. **Mol Cell Endocrinol** 12(2):209–19, Nov 78

BLOOD

Alterations in plasma norepinephrine concentration during surgical resection of pheochromocytoma. Feldman JM, et al. **Ann Surg** 188(6):758–68, Dec 78

Plasma norepinephrine response to standing in patients with pheochromocytoma or medullary carcinoma of the thyroid. Feldman JM, et al. **Arch Intern Med** 139(1):81–5, Jan 79

The kinetics of plasma noradrenaline in normal and hypertensive subjects. Ghione S, et al. **Clin Sci Mol Med** 55 Suppl 4:89s–92s, Dec 78

Hyperreninemia and secondary hyperaldosteronism in pheochromocytomas. Hung W, et al. **J Pediatr** 94(2):215–7, Feb 79

Peripheral and adrenal venous levels of steroids in a patient with virilizing adrenal adenoma. Granoff AB, et al. **Obstet Gynecol** 53(1):111–5, Jan 79

[Adrenal and extra-adrenal phaeochromocytoma: diagnostic features and localisation by determining plasma catecholamines (author's transl)] Cordes U, et al. **Dtsch Med Wochenschr** 104(9):317–23, 2 Mar 79 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Pheochromocytoma with reversible renal artery stenosis. Velick WF, et al. **AJR** 131(6):1069–71, Dec 78

Double phakomatosis. Riley FC, et al. **Arch Ophthalmol** 97(3):518–20, Mar 79

Colonic and oesophageal disturbance in a patient with multiple endocrine neoplasia, type 2b. Cuthbert JA, et al. **Aust NZ J Med** 8(5):518–20, Oct 78

Adrenal causes of hypertension. Moore TJ, et al. **Compr Ther** 4(12):46–52, Dec 78

Hyperreninemia and secondary hyperaldosteronism in pheochromocytomas. Hung W, et al. **J Pediatr** 94(2):215–7, Feb 79

Malignant hypertension and renal artery stenosis in a child [clinical conference] Wendelken JR, et al. **J Urol** 120(6):745–50, Dec 78

Ventricular tachycardia induced by pacemaker stimuli during late diastole. Occurrence with pheochromocytoma. Quan SF, et al. **Postgrad Med** 65(1):247, 250–1, Jan 79

[Primary hyperaldosteronism due to bilateral adrenal hyperplasia of the adrenals. Study based upon one case and a review of the literature (author's transl)] Herpin D, et al. **Ann Med Interne (Paris)** 129(10):557–64, Oct 78 (50 ref.) (Eng. Abstr.) **(Fre)**

[Secondary amenorrhoea in a case adrenocortical tumour (author's transl)] Benz J, et al. **Geburtshilfe Frauenheilkd** 39(2):157–60, Feb 79 (Eng. Abstr.) **(Ger)**

[Intermittent chronic occlusion of the duodenum caused by pheochromocytoma] Nalli G, et al. **Minerva Med** 69(50):3429–33, 20 Oct 78 (Eng. Abstr.) **(Ita)**

[Errors in diagnosis and treatment of children with symptomatic hypertension] Akzhigitov GN, et al. **Khirurgiia (Mosk)** (12):108–10, Dec 78 **(Rus)**

DIAGNOSIS

Measurement of urinary epinephrine in screening for pheochromocytoma in multiple endocrine neoplasia type II. Hamilton BP, et al. **Am J Med** 65(6):1027–32, Dec 78

Adrenal causes of hypertension. Moore TJ, et al. **Compr Ther** 4(12):46–52, Dec 78

Case report: extra medullary haemopoiesis simulating tumour without apparent cause. Deodhare SG, et al. **Indian J Pathol Microbiol** 21(2):181–3, Apr 78

The liquid-filled stomach--an ultrasonic window to the upper abdomen. Warren PS, et al. **JCU** 6(5):315–20, Oct 78

Thyrotrophin-releasing-hormone test in phaeochromocytoma [letter] Linch DC, et al. **Lancet** 1(8109):210, 27 Jan 79

Alpha blockade and surgical intervention of pheochromocytoma in pregnancy. Burgess GE 3d. **Obstet Gynecol** 53(2):266–70, Feb 79

[Age factors in adrenal tumors in children] Hofmann S. **Acta Paediatr Acad Sci Hung** 19(3):253–62, 1978 **(Ger)**

[Adrenal and extra-adrenal phaeochromocytoma: diagnostic features and localisation by determining plasma catecholamines (author's transl)] Cordes U, et al. **Dtsch Med Wochenschr** 104(9):317–23, 2 Mar 79 (Eng. Abstr.) **(Ger)**

[Problems of pheochromocytoma diagnosis (letter)] Goischke HK. **Dtsch Med Wochenschr** 104(3):109–10, 19 Jan 79 **(Ger)**

[Sonography and phlebography in the investigation of the suprarenals (author's transl)] Hofer B, et al. **ROEFO** 129(6):686–91, Dec 78 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Cytotoxic activity of 1-(o-chlorophenyl)-1-(p-chlorophenyl)-2,2-dichloroethan (mitotane) and its analogs on feminizing adrenal neoplastic cells in culture. Fang VS. **Cancer Res** 39(1):139–45, Jan 79

Falsely high urinary catecholamines induced by labetalol. Kobayashi K, et al. **Tohoku J Exp Med** 127(1):63–9, Jan 79

FAMILIAL & GENETIC

Measurement of urinary epinephrine in screening for pheochromocytoma in multiple endocrine neoplasia type II. Hamilton BP, et al. **Am J Med** 65(6):1027–32, Dec 78

METABOLISM

Free and conjugated catecholamines in human hypertension. Kuchel O, et al. **Clin Sci Mol Med** 55 Suppl 4:77s–80s, Dec 78

NURSING

Phaeochromocytoma: notable advance in management. Perkins CM. **Nurs Mirror** 148(6):36–8, 8 Feb 79

PATHOLOGY

Ectopic ACTH-MSH producing carcinoid tumor with multiple endocrine hyperplasia in a child. Amano S, et al. **Acta Pathol Jpn** 28(5):721–30, Sep 78

Surgical treatment of primary aldosteronism. Sipponen J, et al. **Ann Chir Gynaecol** 67(5):174–9, 1978

Coexistence of bilateral pheochromocytoma and pancreatic islet cell tumor: report of a case and review of the literature. Tateishi R, et al. **Cancer** 42(6):2928–34, Dec 78 (28 ref.)

Renal cell carcinoma with unusual metastases: (a case report). Deodhar SD, et al. **J Postgrad Med** 24(1):54A, 54B, 55–7, Jan 78

Malignant hypertension and renal artery stenosis in a child [clinical conference] Wendelken JR, et al. **J Urol** 120(6):745–50, Dec 78

Thoracoabdominal-median sternotomy for resection of primary adrenal carcinoma extending into inferior vena cava and hepatic vein. Javadpour N, et al. **Urology** 12(6):626–7, Dec 78

[Hemihypertrophy and functioning adrenal tumor (author's transl)] Blesa Sánchez E, et al. **An Esp Pediatr** 11(12):899–902, Dec 78 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Mechanism of the hypertensive effect of droperidol in pheochromocytoma. Oh TE, et al. **Anaesth Intensive Care** 6(4):322–7, Nov 78

Induction of anesthesia in a patient with an undiagnosed pheochromocytoma. Smith DS, et al. **Anesthesiology** 49(5):368–9, Nov 78

Alterations in plasma norepinephrine concentration during surgical resection of pheochromocytoma. Feldman JM, et al. **Ann Surg** 188(6):758–68, Dec 78

Cytotoxic activity of 1-(o-chlorophenyl)-1-(p-chlorophenyl)-2,2-dichloroethan (mitotane) and its analogs on feminizing adrenal neoplastic cells in culture. Fang VS. **Cancer Res** 39(1):139–45, Jan 79

Ventricular tachycardia induced by pacemaker stimuli during late diastole. Occurrence with pheochromocytoma. Quan

SF, et al. **Postgrad Med** 65(1):247, 250–1, Jan 79

RADIOGRAPHY

Computed tomography in the diagnosis of adrenal disease. Korobkin M, et al. **AJR** 132(2):231–8, Feb 79

Surgical treatment of primary aldosteronism. Sipponen J, et al. **Ann Chir Gynaecol** 67(5):174–9, 1978

[Sonography and phlebography in the investigation of the suprarenals (author's transl)] Hofer B, et al. **ROEFO** 129(6):686–91, Dec 78 (Eng. Abstr.) **(Ger)**

[Intermittent chronic occlusion of the duodenum caused by pheochromocytoma] Nalli G, et al. **Minerva Med** 69(50):3429–33, 20 Oct 78 (Eng. Abstr.) **(Ita)**

SECRETION

Peripheral and adrenal venous levels of steroids in a patient with virilizing adrenal adenoma. Granoff AB, et al. **Obstet Gynecol** 53(1):111–5, Jan 79

SURGERY

Surgical treatment of primary aldosteronism. Sipponen J, et al. **Ann Chir Gynaecol** 67(5):174–9, 1978

Alterations in plasma norepinephrine concentration during surgical resection of pheochromocytoma. Feldman JM, et al. **Ann Surg** 188(6):758–68, Dec 78

Adrenal causes of hypertension. Moore TJ, et al. **Compr Ther** 4(12):46–52, Dec 78

Prolonged survival in a patient with pulmonary metastases of a malignant pheochromocytoma. van den Broek PJ, et al. **Neth J Med** 21(6):245–7, 1978

Phaeochromocytoma: notable advance in management. Perkins CM. **Nurs Mirror** 148(6):36–8, 8 Feb 79

Alpha blockade and surgical intervention of pheochromocytoma in pregnancy. Burgess GE 3d. **Obstet Gynecol** 53(2):266–70, Feb 79

Thoracoabdominal-median sternotomy for resection of primary adrenal carcinoma extending into inferior vena cava and hepatic vein. Javadpour N, et al. **Urology** 12(6):626–7, Dec 78

[Secondary amenorrhoea in a case adrenocortical tumour (author's transl)] Benz J, et al. **Geburtshilfe Frauenheilkd** 39(2):157–60, Feb 79 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Cytotoxic activity of 1-(o-chlorophenyl)-1-(p-chlorophenyl)-2,2-dichloroethan (mitotane) and its analogs on feminizing adrenal neoplastic cells in culture. Fang VS. **Cancer Res** 39(1):139–45, Jan 79

URINE

Measurement of urinary epinephrine in screening for pheochromocytoma in multiple endocrine neoplasia type II. Hamilton BP, et al. **Am J Med** 65(6):1027–32, Dec 78

Analysis for urinary catecholamines by liquid chromatography with amperometric detection: methodology and clinical interpretation of results. Moyer TP, et al. **Clin Chem** 25(2):256–63, Feb 79

ADRENAL GLANDS

ABNORMALITIES

Congenital hypopituitarism in female infants. Its association with hypoglycemia and hypothyroidism. Kauschansky A, et al. **Am J Dis Child** 133(2):165–9, Feb 79

INJURIES

[Special aspects of retroperitoneal trauma in children (author's transl)] Flach A. **Langenbecks Arch Chir** 347:193–7, Nov 78 (Eng. Abstr.) **(Ger)**

ADRENOGENITAL SYNDROME

DIAGNOSIS

Ambiguous genitals and the choice of gender. Kiss P, et al. **Acta Paediatr Acad Sci Hung** 19(3):191–8, 1978

The nosology of male pseudohermaphroditism due to androgen insensitivity. Pinsky L. **Birth Defects** 14(6C):73–95, 1978 (88 ref.)

[Unusual forms of the congenital adrenal cortex hyperplasia syndrome] Lisá L, et al. **Cesk Pediatr** 33(10):603–5, Oct 78 (Eng. Abstr.) **(Cze)**

[Age factors in adrenal tumors in children] Hofmann S. **Acta Paediatr Acad Sci Hung** 19(3):253–62, 1978 **(Ger)**

FAMILIAL & GENETIC

The nosology of male pseudohermaphroditism due to androgen insensitivity. Pinsky L. **Birth Defects** 14(6C):73–95, 1978 (88 ref.)

[HL-A associated inheritance of the 21-hydroxylase defect in familial adrenogenital syndrome] Johannsen R, et al. **Verh Dtsch Ges Inn Med** (84):1412–6, 1978 **(Ger)**

BARTTER'S DISEASE

BLOOD

[A case of Bartter's syndrome with various psychotic symptoms (author's transl)] Arai S, et al. **Seishin Shinkeigaku Zasshi** 80(10):583–93, 1978 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

[A case of Bartter's syndrome with various psychotic symptoms (author's transl)] Arai S, et al. **Seishin Shinkeigaku Zasshi** 80(10):583–93, 1978 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

The renal kallikrein-kinin system in human and in experimental hypertension. Carretero OA, et al. **Klin Wochenschr** 56 Suppl 1:113–25, 1978 (101 ref.)

[Edema induced by anti-inflammatory drugs and renal action of prostaglandin E2 (author's transl)] Fabre J. **Praxis** 68(8):243–6, 20 Feb 79 **(Fre)**

CUSHING'S SYNDROME

[Side effects of topical corticosteroid therapy. II. Systemic side effects] Nitzschner H. **Z Aerztl Fortbild (Jena)** 72(21):1021–4, 1 Nov 78 (169 ref.) **(Ger)**

BLOOD

[Nuclear medical and radioimmunological examinations of the adrenal cortical function (author's transl)] Slavnov VN, et al. **Radiol Diagn (Berl)** 19(4):522–8, Aug 78 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Fatal iatrogenic Cushing's syndrome [letter] Nathan AW, et al. **Lancet** 1(8109):207, 27 Jan 79

COMPLICATIONS

EEG changes and serum cortisol levels in cushing's syndrome. Tucker RP, et al. **Clin Electroencephalogr** 9(1):32–7, Jan 78

DIAGNOSIS

[The diagnosis and therapy of Cushing's syndrome] Vrubel F, et al. **Rozhl Chir** 57(12):793–7, Dec 78 (Eng. Abstr.) **(Cze)**

[Age factors in adrenal tumors in children] Hofmann S. **Acta Paediatr Acad Sci Hung** 19(3):253–62, 1978 **(Ger)**

[Sonography and phlebography in the investigation of the suprarenals (author's transl)] Hofer B, et al. **ROEFO** 129(6):686–91, Dec 78 (Eng. Abstr.) **(Ger)**

[Muscle flaccidity as a leading and warning symptom in endocrinopathies] Pongratz D, et al. **Verh Dtsch Ges Inn Med** (84):846–52, 1978 (35 ref.) **(Ger)**

DRUG THERAPY

Treatment of Cushing's disease by O,p'DDD. Survey of 62 cases. Luton JP, et al. **N Engl J Med** 300(9):459–64, 1 Mar 79

[Nuclear medical and radioimmunological examinations of the adrenal cortical function (author's transl)] Slavnov VN, et al. **Radiol Diagn (Berl)** 19(4):522–8, Aug 78 (Eng. Abstr.)

(Ger)

IMMUNOLOGY

ACTH-like activity in immune complexes of patients with oat-cell carcinoma of the lung. Havemann K, et al. **Br J Cancer** 39(1):43-50, Jan 79

METABOLISM

EEG changes and serum cortisol levels in cushing's syndrome. Tucker RP, et al. **Clin Electroencephalogr** 9(1):32-7, Jan 78

The metabolic clearance rate of cortisol in normal subjects and in various disease states. Scavo D, et al. **J Nucl Med Allied Sci** 22(3):113-23, Jul-Sep 78

[ECG changes in the active form of Itsenko-Cushing disease and in a state of clinical remission] Ryzhikov VD. **Zdravookhr Kirg** (6):22-6, Nov-Dec 78 (Rus)

MORTALITY

Fatal iatrogenic Cushing's syndrome [letter] Nathan AW, et al. **Lancet** 1(8109):207, 27 Jan 79

NURSING

Picture quiz: Cushing's syndrome. Iveson-Iveson J. **Nurs Mirror** 148(2):38, 30, 11 Jan 79

PATHOLOGY

[Hemihypertrophy and functioning adrenal tumor (author's transl)] Blesa Sánchez E, et al. **An Esp Pediatr** 11(12):899-902, Dec 78 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

Source of ACTH in Cushing's disease [letter] Wahl TO, et al. **N Engl J Med** 300(12):679, 22 Mar 79

Picture quiz: Cushing's syndrome. Iveson-Iveson J. **Nurs Mirror** 148(2):38, 30, 11 Jan 79

[ECG changes in the active form of Itsenko-Cushing disease and in a state of clinical remission] Ryzhikov VD. **Zdravookhr Kirg** (6):22-6, Nov-Dec 78 (Rus)

RADIOGRAPHY

Computed tomography in the diagnosis of adrenal disease. Korobkin M, et al. **AJR** 132(2):231-8, Feb 79

[Sonography and phlebography in the investigation of the suprarenals (author's transl)] Hofer B, et al. **ROEFO** 129(6):686-91, Dec 78 (Eng. Abstr.) (Ger)

[The neuroradiological findings in Cushing's disease (author's transl)] Nakane T. **Rinsho Hoshasen** 24(1):15-9, Jan 79 (Eng. Abstr.) (Jpn)

RADIOTHERAPY

Treatment of Cushing's disease by O,p'DDD. Survey of 62 cases. Luton JP, et al. **N Engl J Med** 300(9):459-64, 1 Mar 79

SURGERY

Hypothalmic-pituitary-adrenal function of untreated longterm survivors following subtotal adrenalectomy for Cushing's disease. Kennedy AL, et al. **Ir J Med Sci** 147(12):420-4, Dec 78

Source of ACTH in Cushing's disease [letter] Wahl TO, et al. **N Engl J Med** 300(12):679, 22 Mar 79

[The diagnosis and therapy of Cushing's syndrome] Vrubel F, et al. **Rozhl Chir** 57(12):793-7, Dec 78 (Eng. Abstr.) (Cze)

THERAPY

Advances in endocrinology. Hardisty CA, et al. **Practitioner** 221(1324):499-503, Oct 78

HYPERALDOSTERONISM

COMPLICATIONS

Adrenal causes of hypertension. Moore TJ, et al. **Compr Ther** 4(12):46-52, Dec 78

The pathogenesis of cirrhotic ascites. Falaiye JM. **Niger Med J** 8(5):438-42, Sep 78 (22 ref.)

Therapeutic advances in pediatric cardiology. Kaplan S, et al. **Pediatr Clin North Am** 25(4):891-907, Nov 78 (78 ref.)

[A case of Bartter's syndrome with various psychotic symptoms (author's transl)] Arai S, et al. **Seishin Shinkeigaku Zasshi** 80(10):583-93, 1978 (Eng. Abstr.) (Jpn)

DIAGNOSIS

Surgical treatment of primary aldosteronism. Sipponen J, et al. **Ann Chir Gynaecol** 67(5):174-9, 1978

Adrenal causes of hypertension. Moore TJ, et al. **Compr Ther** 4(12):46-52, Dec 78

Primary aldosteronism, a review. Himathongkam T, et al. **J Med Assoc Thai** 62(2):74-82, Feb 79

Aldosterone diagnosis in hypertension: comparative evaluation of radioimmunoassays for urinary aldosterone and 18-OH-corticosterone. Connolly TM, et al. **Klin Wochenschr** 56 Suppl 1:173-81, 1978

Value of the spironolactone test in the diagnosis of primary hyperaldosteronism. Jessurun RF, et al. **Neth J Med** 22(1):23-6, 1979

[Sonography and phlebography in the investigation of the suprarenals (author's transl)] Hofer B, et al. **ROEFO** 129(6):686-91, Dec 78 (Eng. Abstr.) (Ger)

[Muscle flaccidity as a leading and warning symptom in endocrinopathies] Pongratz D, et al. **Verh Dtsch Ges Inn Med** (84):846-52, 1978 (35 ref.) (Ger)

DRUG THERAPY

[Spirolactones and potassium-sparing diuretics] Thibonnier M, et al. **Rev Prat** 28(51):4021-4, 4027-8, 4031-2, 11 Nov 78 (Eng. Abstr.) (Fre)

ETIOLOGY

Hyperreninemia and secondary hyperaldosteronism in pheochromocytomas. Hung W, et al. **J Pediatr** 94(2):215-7, Feb 79

Chronic hypokalemic nephropathy: a clinical study. Bock KD, et al. **Klin Wochenschr** 56 Suppl 1:91-6, 1978

[Primary hyperaldosteronism due to bilateral adrenal hyperplasia of the adrenals. Study based upon one case and a review of the literature (author's transl)] Herpin D, et al. **Ann Med Interne (Paris)** 129(10):557-64, Oct 78 (50 ref.) (Eng. Abstr.) (Fre)

[Primary aldosteronism treated by bilateral resection of the adrenal glands] Dimković D, et al. **Med Pregl** 31(11-12):477-80, 1978 (Eng. Abstr.) (Scc)

IMMUNOLOGY

Aldosterone diagnosis in hypertension: comparative evaluation of radioimmunoassays for urinary aldosterone and 18-OH-corticosterone. Connolly TM, et al. **Klin Wochenschr** 56 Suppl 1:173-81, 1978

METABOLISM

Free and conjugated catecholamines in human hypertension. Kuchel O, et al. **Clin Sci Mol Med** 55 Suppl 4:77s-80s, Dec 78

PHYSIOPATHOLOGY

Primary aldosteronism, a review. Himathongkam T, et al. **J Med Assoc Thai** 62(2):74-82, Feb 79

RADIOGRAPHY

Computed tomography in the diagnosis of adrenal disease. Korobkin M, et al. **AJR** 132(2):231-8, Feb 79

[Primary hyperaldosteronism due to bilateral adrenal hyperplasia of the adrenals. Study based upon one case and a review of the literature (author's transl)] Herpin D, et al. **Ann Med Interne (Paris)** 129(10):557-64, Oct 78 (50 ref.) (Eng. Abstr.) (Fre)

[Sonography and phlebography in the investigation of the suprarenals (author's transl)] Hofer B, et al. **ROEFO** 129(6):686-91, Dec 78 (Eng. Abstr.) (Ger)

RADIONUCLIDE IMAGING

[Primary hyperaldosteronism due to bilateral adrenal hyperplasia of the adrenals. Study based upon one case and a review of the literature (author's transl)] Herpin D, et al. **Ann Med Interne (Paris)** 129(10):557-64, Oct 78 (50 ref.) (Eng. Abstr.) (Fre)

SURGERY

Surgical treatment of primary aldosteronism. Sipponen J, et al. **Ann Chir Gynaecol** 67(5):174–9, 1978

[Postoperative long-term results in patients with primary aldosteronism] Philipp T, et al. **Verh Dtsch Ges Inn Med** (84):834–7, 1978 **(Ger)**

[Primary aldosteronism treated by bilateral resection of the adrenal glands] Dimković D, et al. **Med Pregl** 31(11–12):477–80, 1978 (Eng. Abstr.) **(Scc)**

URINE

Aldosterone diagnosis in hypertension: comparative evaluation of radioimmunoassays for urinary aldosterone and 18-OH-corticosterone. Connolly TM, et al. **Klin Wochenschr** 56 Suppl 1:173–81, 1978

Value of the spironolactone test in the diagnosis of primary hyperaldosteronism. Jessurun RF, et al. **Neth J Med** 22(1):23–6, 1979

ADRENAL

III. *Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analogs*

ADRENAL CORTEX HORMONES

ADMINISTRATION & DOSAGE

Problems with topical steroids. Clarke DM. **Aust Fam Physician** 7(12):1509–10, 1512, 1514, Dec 78

The time of steroid therapy [proceedings] Cove-Smith JR, et al. **Br J Clin Pharmacol** 6(5):465P, Nov 78

Steroid addiction. Kligman AM, et al. **Int J Dermatol** 18(1):23–31, Jan–Feb 79 (35 ref.)

Systemic lupus erythematosus in the older age group: computer analysis. Dimant J, et al. **J Am Geriatr Soc** 27(2):58–61, Feb 79

[Our experience with the management of pituitary dwarfism] Hníková O, et al. **Cesk Pediatr** 33(10):591–3, Oct 78 (Eng. Abstr.) **(Cze)**

[What does conservative therapy of 'idiopathic' facial paresis accomplish?] Oeken FW, et al. **Psychiatr Neurol Med Psychol (Leipz)** 30(9):554–62, Sep 78 (Eng. Abstr.) **(Ger)**

[Side effects of topical corticosteroid therapy. II. Systemic side effects] Nitzschner H. **Z Aerztl Fortbild (Jena)** 72(21):1021–4, 1 Nov 78 (169 ref.) **(Ger)**

ADVERSE EFFECTS

Clinical aspects on 64 cases of juvenile and adult listeriosis in Sweden. Larsson S, et al. **Acta Med Scand** 204(6):503–8, 1978

Case report: acute pancreatitis following corticosteroid and azathioprine therapy. Hamed I, et al. **Am J Med Sci** 276(2):211–9, Sep–Oct 78

Three cases of pulmonary sarcoidosis associated with aspergilloma. Varpela E, et al. **Ann Clin Res** 10(6):313–7, Dec 78

Problems with topical steroids. Clarke DM. **Aust Fam Physician** 7(12):1509–10, 1512, 1514, Dec 78

The time of steroid therapy [proceedings] Cove-Smith JR, et al. **Br J Clin Pharmacol** 6(5):465P, Nov 78

Association of Kaposi's sarcoma and prior immunosuppressive therapy: a 5-year material of Kaposi's sarcoma in Norway. Klepp O, et al. **Cancer** 42(6):2626–30, Dec 78

Effect of topical corticosteroids on the pituitary adrenal system. Kansky A. **Int J Dermatol** 17(10):785–7, Dec 78

Steroid addiction. Kligman AM, et al. **Int J Dermatol** 18(1):23–31, Jan–Feb 79 (35 ref.)

Systemic reactions to topically applied drugs. Pascher F. **Int J Dermatol** 17(10):768–75, Dec 78

Drug-induced pulmonary disease. Filipek WJ. **Postgrad Med** 65(2):131–6, 139–40, Feb 79 (52 ref.)

Avascular necrosis of the femoral head in patients receiving intermittent cytotoxic and corticosteroid therapy for Hodgkin's disease. Hancock BW, et al. **Postgrad Med J** 54(634):545–6, Aug 78

[Acne rosacea] Lauret P, et al. **Rev Prat** 28(47):3611–20, 21 Oct 78 **(Fre)**

[Drug-induced bronchospasm (author's transl)] Strumeliev S. **Allerg Immunol (Leipz)** 24(4):259–63, 1978 (Eng. Abstr.) **(Ger)**

[Side effects of external corticosteroid therapy. 1. Side effects limited to the skin] Nitzschner H. **Z Aerztl Fortbild (Jena)** 72(20):976–80, 15 Oct 78 **(Ger)**

[Side effects of topical corticosteroid therapy. II. Systemic side effects] Nitzschner H. **Z Aerztl Fortbild (Jena)** 72(21):1021–4, 1 Nov 78 (169 ref.) **(Ger)**

ANTAGONISTS & INHIBITORS

Topical betamethasone 17-valerate is an anticorticosteroid in the rat. 1. Dermal atrophy. Young JM, et al. **Br J Dermatol** 99(6):655–63, Dec 78

Topical betamethasone 17-valerate is an anticorticosteroid in the rat. 2. Anti-inflammatory and anti-lymphocyte activities. Young JM, et al. **Br J Dermatol** 99(6):665–73, Dec 78

BIOSYNTHESIS

Regulation of adrenocortical steroidogenesis by cyclic 3'-5'-guanosine monophosphate in isolated rat adrenal cells. Harrington CA, et al. **Biochem Biophys Res Commun** 85(1):55–61, 14 Nov 78

BLOOD

The effect of cortisol on the metabolic actions of insulin in the echidna, Tachyglossus aculeatus (Shaw). Sernia C, et al. **Gen Comp Endocrinol** 36(1):1–6, Sep 78

[Specific glucocorticoid receptor activity in the lungs and concentration of corticosteroids in the plasma of newborn rabbits during the first hours of life (author's transl)] Bichler A, et al. **Arch Gynecol** 226(4):307–13, 29 Dec 78 (Eng. Abstr.) **(Ger)**

[Hormones in ischemic heart disease with the presence of coronary atherosclerosis] Pivovarov VN, et al. **Kardiologiia** 18(12):30–6, Dec 78 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Compounds in the urinary pH 1 extract reacting with corticosteroid and tetrahydrocorticosteroid antisera. Separation of a nonpolar substance with affinity to a tetrahydroaldosterone antiserum. Lichtwald K, et al. **Klin Wochenschr** 56 Suppl 1:169–72, 1978

[The action of corticoids in immunological phenomena] Bogdanikowa B, et al. **Postepy Hig Med Dosw** 32(5):581–603, Sep–Oct 78 (Eng. Abstr.) **(Pol)**

METABOLISM

Treatment of Cushing's disease by O,p'DDD. Survey of 62 cases. Luton JP, et al. **N Engl J Med** 300(9):459–64, 1 Mar 79

[Tryptophan. Peripheral regulation of central function] Møller SE. **Ugeskr Laeger** 141(7):458–61, 12 Feb 79 (Eng. Abstr.) **(Dan)**

[Side effects of topical corticosteroid therapy. II. Systemic side effects] Nitzschner H. **Z Aerztl Fortbild (Jena)** 72(21):1021–4, 1 Nov 78 (169 ref.) **(Ger)**

[Effect of adrenocortical hormones on magnesium metabolism] Simões AC, et al. **AMB** 23(1):23–6, Jan 77 **(Por)**

PHARMACODYNAMICS

The reaction of the normal and pathologically changed skin to tangential vibration effect of drugs on this reaction. Stüttgen G, et al. **Arch Dermatol Res** 263(2):139–52, 10 Nov 78

Uterine and lung uteroglobins in the rabbit. Two similar proteins with differential hormonal regulation. Torkkeli T, et al. **Biochim Biophys Acta** 544(3):578–92, 18 Dec 78

Corticosteroid and neurohypophyseal hormone control of parturition in the guppy, Poecilia reticulata. Kujala GA. **Gen Comp Endocrinol** 36(2):286–96, Oct 78

Effect of topical corticosteroids on the pituitary adrenal system. Kansky A. **Int J Dermatol** 17(10):785–7, Dec 78

The distribution of adenosine deaminase among lymphocyte populations in the rat. Barton R, et al. **J Immunol** 122(1):216–20, Jan 79

Inhibitory effect of steroid compounds on passive transportation of calcium ion in rat rectal smooth muscle. Cheng JT, et al. **Kobe J Med Sci** 24(3):141–52, Sep 78

The effects of anti-inflammatory drugs on prostaglandin production by rheumatoid synovial tissue. Robinson DR, et al. **Prostaglandins Med** 1(6):461–77, Dec 78

The interactions between vitamin B6 and hormones. Rose DP. **Vitam Horm** 36:53–99, 1978 (218 ref.)

[Preventive treatment in caustic stenosis of the oesophagus (author's transl)] Lallemant Y, et al. **Ann Otolaryngol Chir Cervicofac** 95(6):367–72, Jun 78 (Eng. Abstr.) **(Fre)**

[beta2-Microglobulin in renal transplanted patients (author's transl)] Brauman H, et al. **Pathol Biol (Paris)** 26(6):313–6, Sep 78 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

The development of fetal hypothalamic-pituitary gonadal adrenal function. Jenkin G, et al. **Contrib Gynecol Obstet** 5:58–90, 1979 (158 ref.)

Adrenal steroids indirectly modulate morphine and

beta-endorphin effects. Holaday JW, et al. **J Pharmacol Exp Ther** 208(2):176–83, Feb 79

Endocrine factors in the modulation of food intake. Bray GA. **Proc Nutr Soc** 37(3):301–9, Dec 78 (53 ref.)

[Causes of the onset of labor] Katsulov A. **Akush Ginekol (Sofiia)** 17(6):447–56, 1978 (61 ref.) (Eng. Abstr.) **(Bul)**

[Adrenocortical control of epidermal cell differentiation demonstrated by combined morphological and biochemical studies of the in ovo and in vitro development of chick embryonic shank skin (author's transl)] Endo H, et al. **Tanpakushitsu Kakusan Koso** 23(13):1290–302, 1978 (24 ref.) **(Jpn)**

[Effect of adrenal cortex hormones on the intracellular distribution of calcium in adipose tissue as a possible factor in the regulation of its sensitivity to adrenaline and ACTH] Orlov SN, et al. **Dokl Akad Nauk SSSR** 244(3):771–4, 1979 **(Rus)**

SECRETION

Physiological evolution of the renin–angiotensin system. Nishimura H. **Jpn Heart J** 19(5):806–22, Sep 78

[Adrenocorticotropic and steroid secretion in hirsute pregnant women with habitual abortion] Despodova Ts, et al. **Akush Ginekol (Sofiia)** 17(6):417–23, 1978 (Eng. Abstr.) **(Bul)**

THERAPEUTIC USE

Chronic bullous dermatosis of childhood. Del Forno C, et al. **Acta Derm Venereol (Stockh)** 59(2):178–80, 1979

Association of hyperthyroidism with idiopathic thrombocytopenic purpura and haemolytic anaemia. Branehög I, et al. **Acta Med Scand** 205(1–2):125–31, 1979

Clinical aspects on 64 cases of juvenile and adult listeriosis in Sweden. Larsson S, et al. **Acta Med Scand** 204(6):503–8, 1978

The asthmatic. Fink JN. **Am Fam Physician** 18(6):124–7, Dec 78

Drug therapy reviews: treatment of sarcoidosis. Fanburg BL. **Am J Hosp Pharm** 36(3):351–4, Mar 79 (46 ref.)

Neuropsychiatric problems in mixed connective tissue disease. Bennett RM, et al. **Am J Med** 65(6):955–62, Dec 78

Case report: acute pancreatitis following corticosteroid and azathioprine therapy. Hamed I, et al. **Am J Med Sci** 276(2):211–9, Sep–Oct 78

Three cases of pulmonary sarcoidosis associated with aspergilloma. Varpela E, et al. **Ann Clin Res** 10(6):313–7, Dec 78

Pemphigus induced by gold sodium thiomalate [letter] Miyamoto Y, et al. **Arch Dermatol** 114(12):1855, Dec 78

Fate of pemphigus antibody following successful therapy. Preliminary evaluation of pemphigus antibody determinations to regulate therapy. O'Loughlin S, et al. **Arch Dermatol** 114(12):1769–72, Dec 78

Atopic dermatitis [letter] Schoitz JR. **Arch Dermatol** 115(1):110, Jan 79

Problems with topical steroids. Clarke DM. **Aust Fam Physician** 7(12):1509–10, 1512, 1514, Dec 78

Eczema in the young. Turner TW. **Aust Fam Physician** 7(12):1485–8, Dec 78

Leukemic reticuloendotheliosis (hairy cell leukemia). Bouroncle BA. **Blood** 53(3):412–36, Mar 79 (83 ref.)

Pulmonary and pleural lesions in rheumatoid disease. Macfarlane JD, et al. **Br J Dis Chest** 72(4):288–300, Oct 78

Lymphomatoid granulomatosis: a clinicopathologic study of 152 cases. Katzenstein AL, et al. **Cancer** 43(1):360–73, Jan 79

Programmed instruction: cancer care. Cancer chemotherapy: steroid hormones. Pilapil F, et al. **Cancer Nurs** 1(6):473–82, Dec 78

Drug treatment of tuberculous meningitis in childhood. A survey of current practices. McKenzie MS, et al. **Clin Pediatr (Phila)** 18(2):75, 78–9, 82–4, Feb 79 (51 ref.)

Association of pemphigus chronicus with pregnancy. Stanoeva L, et al. **Dermatologica** 158(2):99–103, 1979

Acne angst [letter] Fisher AA. **Int J Dermatol** 17(8):678, Oct 78

Effect of topical corticosteroids on the pituitary adrenal system. Kansky A. **Int J Dermatol** 17(10):785–7, Dec 78

Systemic lupus erythematosus in the older age group: computer analysis. Dimant J, et al. **J Am Geriatr Soc** 27(2):58–61, Feb 79

Corticosteroid therapy in acute myocardial infarction. Alurkar VM, et al. **J Assoc Physicians India** 26(8):721–5, Aug 78

The combined use of cryosurgery and intralesional injections of suspensions of fluorinated adrenocorticosteroids for reducing keloids and hypertrophic scars. Ceilley RI, et al. **J Dermatol Surg Oncol** 5(1):54–6, Jan 79

No panacea for pruritus and still much ignorance [news] **JAMA** 241(10):980–1, 9 Mar 79

Pericarditis. Robinson PH. **Med Times** 107(1):73–8, Jan 79

Corticosteroid–responsive intestinal lymphangiectasia secondary to an inflammatory process. Fleisher TA, et al. **N Engl J Med** 300(11):605–6, 15 Mar 79

Proceedings of the Annual Scientific Meeting of the International Medical Society of Paraplegia held at Stoke Mandeville from 28–30 July 1977 (Part II). Fracture dislocation of the cervical spine: a critique of current management in the United States. Sussman BJ. **Paraplegia** 16(1):15–38, May 78

Facial bone changes with vascular tumors in children. Williams HB. **Plast Reconstr Surg** 63(3):309–16, Mar 79

Atopic dermatitis: clinical and immunologic aspects and treatment. Kaplan RJ, et al. **Postgrad Med** 64(6):52–6, Dec 78

Dermatomyositis: observations on the use of immunosuppressive therapy and review of literature. Cairo–Glasgow study group. El-Ghobarey A, et al. **Postgrad Med J** 54(634):516–27, Aug 78

Changing pattern of clinical features and prognosis in systemic lupus erythematosus. Hashimoto H, et al. **Scand J Rheumatol** 7(4):219–24, 1978

Priapism: surgical or medical treatment? Eriksson A, et al. **Scand J Urol Nephrol** 13(1):1–3, 1979

[Lichen ruber—critical report (author's transl)] Danda J. **Cesk Dermatol** 53(5):344–9, 1978 (50 ref.) (Eng. Abstr.) **(Cze)**

[The management of corrosive oesophagitis (author's transl)] Lallemant Y, et al. **Ann Otolaryngol Chir Cervicofac** 95(6):345–60, Jun 78 (Eng. Abstr.) **(Fre)**

[Preventive treatment in caustic stenosis of the oesophagus (author's transl)] Lallemant Y, et al. **Ann Otolaryngol Chir Cervicofac** 95(6):367–72, Jun 78 (Eng. Abstr.) **(Fre)**

[Evolution towards generalization and cancer of a muco-cutaneous leishmaniasis treated with corticoids. (Report of a Chadian case) (author's transl)] Derrien JP, et al. **Med Trop (Mars)** 38(4):447–51, Jul–Aug 78 (Eng. Abstr.) **(Fre)**

[Wegener's granulomatosis] Riehl M. **Rev Odontostomatol Midi Fr** 35(3):119–41, 1977 **(Fre)**

[Waldenström's macroglobulinemia] Brouet JC. **Rev Prat** 29(3):317–20, 323–4, 329, 11 Jan 79 (Eng. Abstr.) **(Fre)**

[Dermatology in 1978] Touraine R, et al. **Rev Prat** 28(47):3579–86, 21 Oct 78 (28 ref.) **(Fre)**

[Angio-immunoblastic lymphadenopathy (author's transl)] Hug J, et al. **HNO** 27(1):25–8, Jan 79 (Eng. Abstr.) **(Ger)**

[Drug treatment of the lumbago-sciatic-syndrome (author's transl)] Schär J. **Praxis** 68(5):141–2, 30 Jan 79 **(Ger)**

[Corticosteroid therapy in essential iron deficiency anemia] Flenker I, et al. **Verh Dtsch Ges Inn Med** (84):111–4, 1978 **(Ger)**

[Modern therapy and after-care in urogenital tuberculosis] Rothkopf M, et al. **Z Gesamte Inn Med** 33(19):696–701, 1 Oct 78 (Eng. Abstr.) **(Ger)**

[Chronic polyarthritis and erythema anulare centrifugum Darier] Petera P, et al. **Z Rheumatol** 38(1–2):59–66, Jan–Feb 79 (Eng. Abstr.) **(Ger)**

[Disseminated lupus erythematosus and infectious diseases] Vachtenheim J. **Clin Ter** 87(1):3–13, 15 Oct 78 (Eng. Abstr.) **(Ita)**

[Dynamics of lymphocyte dehydrogenase activity in the process of treating chronic lympholeukemia] Nartsissov RP, et al. **Lab Delo** (1):45–8, 1979 **(Rus)**

[Drug therapy of ankylosing spondyloarthritis (Bechterew's disease)] Burdeinyi AP. **Ter Arkh** 50(12):116–25, 1978 (100 ref.) **(Rus)**

[Present-day state of the problem of kraurosis vulvae] Kalamkarian AA, et al. **Vestn Dermatol Venerol** (12):29–33, Dec 78 (51 ref.) **(Rus)**

[Idiopathic retroperitoneal fibrosis: diagnosis, evolution and therapeutic approach in 8 cases] Morales López A, et al. **Arch Esp Urol** 31(5):469–82, Sep–Oct 78 (Eng. Abstr.) **(Spa)**

[Thrombocytopenic purpura associated with infectious mononucleosis] Musso AM, et al. **Medicina (B Aires)** 38(5):545–50, Sep–Oct 78 (Eng. Abstr.) **(Spa)**

[Type II mixed cryoglobulinemia associated to connective tissue disorders. Part I: clinical and laboratory findings (author's transl)] Aguilera S, et al. **Rev Med Chil** 106(10):768–74, Oct 78 (Eng. Abstr.) **(Spa)**

URINE

The effect of chronic ACTH treatment on blood pressure and urinary excretion of steroids in the rat. Haack D, et al. **Klin Wochenschr** 56 Suppl 1:183–6, 1978

[Adrenocortical function in obese children] Kiss P, et al. **Cesk Pediatr** 33(10):606–9, Oct 78 (Eng. Abstr.) **(Cze)**

[Steroid metabolism in primates. XX. Excretion of C21-steroids in urine of women and baboons (Papio hamadryas) during pregnancy] Gontscharow NP, et al. **Endokrinologie** 72(2):136–40, May 78 (Eng. Abstr.) **(Ger)**

[Effect of varied sodium intake on the excretion of desoxycorticosterone, cortisol and aldosterone as well as the ACTH stimulation of those corticoids] Bönner G, et al. **Verh Dtsch Ges Inn Med** (84):1458–62, 1978 **(Ger)**

ALDOSTERONE

ANALOGS & DERIVATIVES

Aldosterone diagnosis in hypertension: comparative evaluation of radioimmunoassays for urinary aldosterone and 18-OH-corticosterone. Connolly TM, et al. **Klin Wochenschr** 56 Suppl 1:173–81, 1978

The effect of chronic ACTH treatment on blood pressure and urinary excretion of steroids in the rat. Haack D, et al. **Klin Wochenschr** 56 Suppl 1:183–6, 1978

Compounds in the urinary pH 1 extract reacting with corticosteroid and tetrahydrocorticosteroid antisera. Separation of a nonpolar substance with affinity to a tetrahydroaldosterone antiserum. Lichtwald K, et al. **Klin Wochenschr** 56 Suppl 1:169–72, 1978

ANALYSIS

[Effect of somatostatin on renin, aldosterone and blood pressure in unilateral renovascular hypertension] Arlart I, et al. **Verh Dtsch Ges Inn Med** (84):824–7, 1978 **(Ger)**

BIOSYNTHESIS

Steroidogenic and pressor activity of angiotensin analogues in the rat. Khairallah PA, et al. **Clin Sci Mol Med** 55 Suppl 4:175s–177s, Dec 78

The participation of prostaglandins in the control of renin release. Oates JA, et al. **Fed Proc** 38(1):72–4, Jan 79

Primary aldosteronism, a review. Himathongkam T, et al. **J Med Assoc Thai** 62(2):74–82, Feb 79

[Effect of spironolactones on aldosterone synthesis and adrenal metabolism] Aupetit B, et al. **Ann Endocrinol (Paris)** 39(5):355–72, 1978 (Eng. Abstr.) **(Fre)**

BLOOD

The effect of the converting enzyme inhibitor SQ 20.881 on kinins, renin-angiotensin-aldosterone and catecholamines in relation to blood pressure in hypertensive patients. Hulthén L, et al. **Acta Med Scand** 204(6):497–502, 1978

Haemodynamic and endocrinological profile of essential hypertension. de Leeuw PW, et al. **Acta Med Scand [Suppl]** 622:5–86, 1978

Cardiovascular and endocrine profile of adrenergic neurone blockade in normal and hypertensive man. Flammer J, et al. **Am J Med** 66(1):34–42, Jan 79

Effects of pipecolinomethylhydroxyindane on testicular and adrenocortical function in rats. Kinson GA. **Arch Androl** 1(2):185–91, 1978

Renin and aldosterone response in human newborns to acute blood volume change [letter] Spennati GF, et al. **Arch Dis Child** 54(1):80, Jan 79

Kinetic variations of plasma renin and aldosterone during active orthostatism in three subtypes of essential hypertension. Cugini P, et al. **Boll Soc Ital Biol Sper** 54(2):116–21, 30 Jan 78

Effects of furosemide on plasma renin and aldosterone in three subtypes of essential hypertension. Cugini P, et al. **Boll Soc Ital Biol Sper** 54(2):111–5, 30 Jan 78

The effects of beta-adrenoceptor blockade on renin, angiotensin, aldosterone and catecholamines at rest and during exercise. Lijnen PJ, et al. **Br J Clin Pharmacol** 7(2):175–81, Feb 79

The role of intrarenal vasoactive substances in the pathogenesis of essential hypertension. Abe K, et al. **Clin Sci Mol Med** 55 Suppl 4:363s–366s, Dec 78

An altered relation between arterial pressure and plasma angiotensin II concentration resulting from prolonged infusion of angiotensin II. Bean BL, et al. **Clin Sci Mol Med** 55 Suppl 4:217s–220s, Dec 78

Noradrenaline secretion by the human kidney. de Leeuw PW, et al. **Clin Sci Mol Med** 55 Suppl 4:85s–87s, Dec 78

Effects of labetalol on systemic and pulmonary haemodynamics at rest and during exercise in hypertensive patients. Fagard R, et al. **Clin Sci Mol Med** 55 Suppl 4:279s–281s, Dec 78

Biochemical correlates of the increase in blood pressure with age. Grim CE, et al. **Clin Sci Mol Med** 55 Suppl 4:377s–379s, Dec 78

Renin--angiotensin system in mild essential hypertension. The functional significance of angiotensin II in untreated and thiazide-treated hypertensive patients. Ibsen H, et al. **Clin Sci Mol Med** 55 Suppl 4:319s–321s, Dec 78

Acid-activated renin responses to hydrochlorothiazide, propranol and indomethacin. McKenzie JK, et al. **Clin Sci Mol Med** 55 Suppl 4:151s–153s, Dec 78

The natural history of hypertension in turkeys. Pagnan A, et al. **Clin Sci Mol Med** 55 Suppl 4:213s–215s, Dec 78

Adrenal function testing. Dluhy RG. **Compr Ther** 4(12):53–9, Dec 78

The effect of angiotensin II blockade by saralasin (1-Sar-8-Ala-angiotensin II) in normal man. Ibsen H, et al. **Eur J Clin Pharmacol** 14(3):171–6, 27 Nov 78

The participation of prostaglandins in the control of renin release. Oates JA, et al. **Fed Proc** 38(1):72–4, Jan 79

A comparative study of the effects of oxprenolol versus propranolol in essential hypertension. Gavras I, et al. **J Clin Pharmacol** 19(1):8–14, Jan 79

Studies on hypertension: changes of humoral factors under long-term administration of thiazide. Mishina N, et al. **Jpn Heart J** 19(4):585–6, Jul 78

Role of renin-angiotensin system in the controls of blood pressure and aldosterone in patients with cirrhosis and ascites. Saito I, et al. **Jpn Heart J** 19(5):741–7, Sep 78

Chronic hypokalemic nephropathy: a clinical study. Bock KD, et al. **Klin Wochenschr** 56 Suppl 1:91–6, 1978

Mineralocorticoids, salt balance and blood pressure after prolonged ACTH administration in juvenile hypertension. Rauh W, et al. **Klin Wochenschr** 56 Suppl 1:161–7, 1978

Aldosterone in myxoedema [letter] Olgaard K, et al. **Lancet** 1(8109):218, 27 Jan 79

Effects of beta 1-selective and non-selective beta-blockade on blood pressure, plasma renin activity and plasma aldosterone in hypertensive patients. van Herwaarden CL, et al. **Neth J Med** 22(1):17–22, 1979

Modifications induced in the renin-angiotensin-aldo-sterone system of rats by alpha-blocking drugs. Palazzoadriano M, et al. **Pharmacol Res Commun** 10(10):925–37, Nov 78

Influence of haemoperfusion on plasma levels of hormones and beta-methyldigoxin. Kokot F, et al. **Proc Eur Dial Transplant Assoc** 15:604–6, 1978

Blood pressure responses to extremes of sodium intake in normal man. Murray RH, et al. **Proc Soc Exp Biol Med** 159(3):432–6, Dec 78

[Primary hyperaldosteronism due to bilateral adrenal hyperplasia of the adrenals. Study based upon one case and a review of the literature (author's transl)] Herpin D, et al. **Ann Med Interne (Paris)** 129(10):557–64, Oct 78 (50 ref.) (Eng. Abstr.) **(Fre)**

[Edema induced by anti-inflammatory drugs and renal action of prostaglandin E2 (author's transl)] Fabre J. **Praxis** 68(8):243–6, 20 Feb 79 **(Fre)**

[Nuclear medical and radioimmunological examinations of the adrenal cortical function (author's transl)] Slavnov VN, et al. **Radiol Diagn (Berl)** 19(4):522–8, Aug 78 (Eng. Abstr.) **(Ger)**

[Plasma levels of cortisol, aldosterone, growth hormone and insulin during halothane-N2O anesthesia and surgery in elderly patients (author's transl)] Taniguchi K, et al. **Masui** 28(1):11–6, Jan 79 (Eng. Abstr.) **(Jpn)**

[Responses of renin-angiotensin-aldosterone system to insulin hypoglycemia in patients with essential hypertension (author's transl)] Ishimaru K, et al. **Nippon Jinzo Gakkai Shi** 20(10):1087–93, Oct 78 (Eng. Abstr.) **(Jpn)**

[Effects of postural changes and volume depletion on renin-angiotensin system (author's transl)] Acuña D, et al. **Rev Esp Fisiol** 34(4):411–6, Dec 78 (Eng. Abstr.) **(Spa)**

DEFICIENCY

Evidence for an unidentified, adrenocorticotrophic hormone-dependent mineralocorticoid maintaining hypertension in young women with hypoaldosteronism. Hoefnagels WH, et al. **Clin Sci Mol Med** 55 Suppl 4:271s–274s, Dec 78

Pediatric management problems (hyperkalemia with hyponatremia). **Pediatr Nurs** 5(1):59, Jan-Feb 79

DIAGNOSTIC USE

Application of the double isotope technique for visualization of the location of the adrenal glands. Ogawa Y, et al. **Bull Osaka Med Sch** 24(1):7–15, Jul 78

HISTORY

An appreciation of Professor Franz Gross on the twentieth anniversary of the publication of his concept of the interrelationships between aldosterone and renin. Liddle GW. **Klin Wochenschr** 56 Suppl 1:3–4, 1978

IMMUNOLOGY

Aldosterone diagnosis in hypertension: comparative evaluation of radioimmunoassays for urinary aldosterone and 18-OH-corticosterone. Connolly TM, et al. **Klin Wochenschr** 56 Suppl 1:173–81, 1978

Compounds in the urinary pH 1 extract reacting with corticosteroid and tetrahydrocorticosteroid antisera. Separation of a nonpolar substance with affinity to a tetrahydroaldosterone antiserum. Lichtwald K, et al. **Klin Wochenschr** 56 Suppl 1:169–72, 1978

METABOLISM

Effect of spironolactone and its main metabolite canrenone on the renin-angiotensin-aldosterone-system during long-term treatment in rats. Erbler HC. **Acta Endocrinol (Copenh)** 90(1):147–56, Jan 79

The pathophysiology of sodium balance. Levy M. **Hosp Pract** 13(11):105–6, Nov 78

Renin-aldosterone system and urinary electrolytes after amiloride, hydrochlorothiazide and the combination. Lammintausta R, et al. **Int J Clin Pharmacol Biopharm** 16(11):503–7, Nov 78

Disorders of acid-base balance. Sabatini S, et al. **Med Clin North Am** 62(6):1223–55, Nov 78 (49 ref.)

Occupancy of aldosterone binding sites in rat kidney cytosol. Warnock DG, et al. **Mol Cell Endocrinol** 12(2):221–33, Nov 78

PHARMACODYNAMICS

Inhibition of toad urinary bladder sodium transport by carbamylcholine: possible role of cyclic GMP. Sahib MK, et al. **Am J Physiol** 235(6):F586–91, Dec 78

Mineralocorticoid effects on cation transport by cortical collecting tubules in vitro. Schwartz GJ, et al. **Am J Physiol** 235(6):F576–85, Dec 78

Renal potassium transport: contributions of individual nephron segments and populations. Wright FS, et al. **Am J Physiol** 235(6):F515–27, Dec 78 (124 ref.)

Enhancement by L-dopa of the renal action of aldosterone in the rat. Adam WR. **Clin Exp Pharmacol Physiol** 6(1):87–96, Jan–Feb 79

Towards a molecular definition of mechanisms and pathways of membrane transport. de Sousa RC. **J Membr Biol** 40 Spec No:347–54, 1978 (38 ref.)

Stimulation of urinary acidification by aldosterone and inhibitors of RNA and protein synthesis. Ludens JH, et al. **J Membr Biol** 40 Spec No:199–211, 1978

Epithelial cell electrolytes in relation to transepithelial sodium transport across toad urinary bladder. Macknight AD, et al. **J Membr Biol** 40 Spec No:247–60, 1978

Role of RNA in the action of aldosterone on Na+ transport. Rossier BC. **J Membr Biol** 40 Spec No:187–97, 1978 (44 ref.)

Comparison of toad bladder aldosterone-induced proteins and proteins synthesized in vitro using aldosterone-induced messenger RNA as template. Scott WN, et al. **J Membr Biol** 40 Spec No:213–20, 1978

Segmental heterogeneity of epithelial transport in rat large intestine. Fromm M, et al. **Pfluegers Arch** 378(1):71–83, 15 Dec 78

[Effect of aldosterone on the response of segments of the isolated coronary artery to noradrenaline] Bettini V, et al. **Boll Soc Ital Biol Sper** 54(5):453–5, 15 Mar 78 **(Ita)**

[Effect of aldosterone on the response of segments of the isolated hepatic artery to noradrenaline] Bettini V, et al. **Boll Soc Ital Biol Sper** 54(5):450–2, 15 Mar 78 **(Ita)**

[Study on potassium transport in the intestine compensatory potassium excretion mechanism increasing factors of potassium secretion (author's transl)] Hayashida Y. **Nippon Jinzo Gakkai Shi** 20(6):619–40, Jun 78 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Sodium excretion after bilateral adrenalectomy in rats with experimental cirrhosis. Lopez-Novoa JM, et al. **Experientia** 34(12):1613–4, 15 Dec 78

Primary aldosteronism, a review. Himathongkam T, et al. **J Med Assoc Thai** 62(2):74–82, Feb 79

Symposium: Renin-angiotensin-aldosterone system and hypertension. **Klin Wochenschr** 56 Suppl 1:1–191, 1978

An appreciation of Professor Franz Gross on the twentieth anniversary of the publication of his concept of the interrelationships between aldosterone and renin. Liddle GW. **Klin Wochenschr** 56 Suppl 1:3–4, 1978

The renin-angiotensin-aldosterone system. Past, present and future. Vecsei P, et al. **Klin Wochenschr** 56 Suppl 1:5–21, 1978 (231 ref.)

Mineralocorticoids in normal and hypertensive pregnancies. Ehrlich EN. **Semin Perinatol** 2(1):61–71, Jan 78 (61 ref.)

[Structural foundation for the functional connections of the endocrine apparatus and nervous system of the kidneys] Serov VV, et al. **Arkh Patol** 40(11):3–11, 1978 (76 ref.) (Eng. Abstr.) **(Rus)**

SECRETION

Mineralocorticoids in normal and hypertensive pregnancies. Ehrlich EN. **Semin Perinatol** 2(1):61–71, Jan 78 (61 ref.)

[The hypophysis and regulation of the diurnal rhythm of aldosterone secretion] Solc J, et al. **Cesk Pediatr** 33(10):580–1, Oct 78 (Eng. Abstr.) **(Cze)**

[Effect of long-term hemodialysis on renin activity, aldosterone, cortisol, serum potassium, serum sodium and blood pressure] Vetter W, et al. **Verh Dtsch Ges Inn Med** (84):832–4, 1978 **(Ger)**

[Effect of oral sodium load on the renin and aldosterone secretion in essential hypertension. Comparison to normal persons] Witassek F, et al. **Verh Dtsch Ges Inn Med** (84):795–7, 1978 **(Ger)**

[Daily variations in the secretion of several hormones in obesity] Epshteĭn EV. **Probl Endokrinol (Mosk)** 25(1):15–9, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

URINE

Acupuncture in narcotic withdrawal: a preliminary report on biochemical changes in the blood and urine of heroin addicts. Wen HL, et al. **Bull Narc** 30(2):31–9, Apr–Jun 78

Removal of contaminating substances before gas-liquid-chromatographic determination of aldosterone in urine. Graef V, et al. **Clin Chem** 25(1):141–3, Jan 79

The renin-aldosterone system in dihydralazine therapy during hypertensive pregnancy. Lammintausta R. **Int J Clin Pharmacol Biopharm** 16(12):581–4, Dec 78

Renin-aldosterone system and urinary electrolytes after amiloride, hydrochlorothiazide and the combination. Lammintausta R, et al. **Int J Clin Pharmacol Biopharm** 16(11):503–7, Nov 78

Aldosterone diagnosis in hypertension: comparative evaluation of radioimmunoassays for urinary aldosterone and 18-OH-corticosterone. Connolly TM, et al. **Klin Wochenschr** 56 Suppl 1:173–81, 1978

The effect of chronic ACTH treatment on blood pressure and urinary excretion of steroids in the rat. Haack D, et al. **Klin Wochenschr** 56 Suppl 1:183–6, 1978

Compounds in the urinary pH 1 extract reacting with corticosteroid and tetrahydrocorticosteroid antisera. Separation of a nonpolar substance with affinity to a tetrahydroaldosterone antiserum. Lichtwald K, et al. **Klin Wochenschr** 56 Suppl 1:169–72, 1978

Mineralocorticoids, salt balance and blood pressure after prolonged ACTH administration in juvenile hypertension. Rauh W, et al. **Klin Wochenschr** 56 Suppl 1:161–7, 1978

A renal abnormality as a possible cause of 'essential' hypertension. Bianchi G, et al. **Lancet** 1(8109):173–7, 27 Jan 79

Is 'idiopathic' edema idiopathic? MacGregor GA, et al. **Lancet** 1(8113):397–400, 24 Feb 79

Value of the spironolactone test in the diagnosis of primary hyperaldosteronism. Jessurun RF, et al. **Neth J Med** 22(1):23–6, 1979

[The hypophysis and regulation of the diurnal rhythm of aldosterone secretion] Solc J, et al. **Cesk Pediatr** 33(10):580–1, Oct 78 (Eng. Abstr.) **(Cze)**

[Effect of varied sodium intake on the excretion of desoxycorticosterone, cortisol and aldosterone as well as the ACTH stimulation of those corticoids] Bönner G, et al. **Verh Dtsch Ges Inn Med** (84):1458–62, 1978 **(Ger)**

[Effect of oral sodium load on the renin and aldosterone secretion in essential hypertension. Comparison to normal persons] Witassek F, et al. **Verh Dtsch Ges Inn Med** (84):795–7, 1978 **(Ger)**

[Effects of postural changes and volume depletion on renin-angiotensin system (author's transl)] Acuña D, et al. **Rev Esp Fisiol** 34(4):411–6, Dec 78 (Eng. Abstr.) **(Spa)**

ALDOSTERONE ANTAGONISTS

METABOLISM

Occupancy of aldosterone binding sites in rat kidney cytosol. Warnock DG, et al. **Mol Cell Endocrinol** 12(2):221–33, Nov 78

PHARMACODYNAMICS

[Effect of spironolactones on aldosterone synthesis and adrenal metabolism] Aupetit B, et al. **Ann Endocrinol (Paris)** 39(5):355–72, 1978 (Eng. Abstr.) **(Fre)**

[Pharmacology of diuretics] Breteau M, et al. **Rev Prat** 28(51):3971–2, 3975–6, 3981–3, 11 Nov 78 **(Fre)**

ANDROSTENEDIONE

ANALOGS & DERIVATIVES

Bioconversion of sitosterol to useful steroidal intermediates by mutants of Mycobacterium fortuitum. Wovcha MG, et al. **Biochim Biophys Acta** 531(3):308–21, 22 Dec 78

ANTAGONISTS & INHIBITORS

Mechanism of action of aminoglutethimide in breast cancer [letter] Santen RJ, et al. **Lancet** 1(8106):44–5, 6 Jan 79

BIOSYNTHESIS

Effects of pipecolinomethylhydroxyindane on testicular and adrenocortical function in rats. Kinson GA. **Arch Androl** 1(2):185–91, 1978

BLOOD

Changes in the plasma levels of androstenedione, dehydroepiandrosterone and cortisol after stimulation with ACTH and hCG and suppression with dexamethasone during male puberty. Herrera-Justiniano E, et al. **Acta Endocrinol (Copenh)** 90(1):113–21, Jan 79

Steroid levels in the serum and seminal plasma during clomiphene therapy in hypofertile men. Sas M, et al. **Acta Med Acad Sci Hung** 35(2):159–65, 1978

Effect of testosterone application on hormone concentrations of androgens and estrogens in male patients with cirrhosis of the liver. Kley HK, et al. **Gastroenterology** 76(2):235–41, Feb 79

Plasma hormone levels and the conversion of androstenedione to oestrone in women with endometrial cancer [proceedings] Reed MJ, et al. **J Endocrinol** 79(2):54P–55P, Nov 78

Androgen insensitivity as a cause of infertility in otherwise normal men. Aiman J, et al. **N Engl J Med** 300(5):223–7, 1 Feb 79

Peripheral and adrenal venous levels of steroids in a patient with virilizing adrenal adenoma. Granoff AB, et al. **Obstet Gynecol** 53(1):111–5, Jan 79

Peripheral and ovarian venous concentrations of various steroid hormones in virilizing ovarian tumors. Meldrum DR, et al. **Obstet Gynecol** 53(1):36–43, Jan 79

The effects of Premarin and norgestrel on plasma FSH, LH and androstenedione in post-menopausal women. Sexton L, et al. **Postgrad Med J** 54(2):42–6, 1978

Plasma hormone profiles after the menopause and bilateral oöphorectomy. Studd JW, et al. **Postgrad Med J** 54(2):25–30, 1978

[Hormonal dynamics during pregnancy: critical discussion and clinical interpretations] Bélisle S. **Can Med Assoc J** 119(11):1307–9, 9 Dec 78 (Eng. Abstr.) **(Fre)**

METABOLISM

Steroid levels in the serum and seminal plasma during clomiphene therapy in hypofertile men. Sas M, et al. **Acta Med Acad Sci Hung** 35(2):159–65, 1978

Bioconversion of sitosterol to useful steroidal intermediates by mutants of Mycobacterium fortuitum. Wovcha MG, et al. **Biochim Biophys Acta** 531(3):308–21, 22 Dec 78

Testosterone production with hydatidiform moles--in vitro and in vivo studies. Chew PC, et al. **Br J Obstet Gynaecol** 86(1):37–40, Jan 79

Observations on the determination of fetal sex in early pregnancy. Zondek LH, et al. **Contrib Gynecol Obstet** 5:91–108, 1979 (70 ref.)

Cellular regulation of the metabolism of androgens in rat oral mucosa. II. Product activation of 17 beta-hydroxysteroid oxidoreductase enzyme system. Vittek J, et al. **J Dent Res** 58(2):638–41, Feb 79

Characterization of cytochrome P-450-dependent aminopyrine N-demethylase in rat brain: comparison with hepatic aminopyrine N-demethylation. Marietta MP, et al. **J Pharmacol Exp Ther** 208(2):271–9, Feb 79

The effect of alcohol ingestion on hepatic aromatase activity and plasma steroid hormones in the rat. Gordon GG, et al. **Metabolism** 28(1):20–4, Jan 79

Steroid metabolism in human breast cancer cell lines. Raju U, et al. **Steroids** 32(5):669–80, Dec 78

[Bioconversion of steroids in mutants of Nocardia restrictus] Miclo A, et al. **C R Soc Biol (Paris)** 172(3):534–41, 1978 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Cellular regulation of the metabolism of androgens in rat oral mucosa. II. Product activation of 17 beta-hydroxysteroid oxidoreductase enzyme system. Vittek J, et al. **J Dent Res** 58(2):638–41, Feb 79

Effect of several androgens, cyproterone acetate or estrogen-progesterone on the prolactin-releasing activity of arginine vasotocin in castrated male rats. Vaughan MK, et al. **Mol Cell Endocrinol** 12(3):309–18, Dec 78

PHYSIOLOGY

Reproductive hormone function: the perimenopausal period and beyond. Korenman SG, et al. **Clin Endocrinol Metab** 7(3):625–43, Nov 78 (82 ref.)

Cyclic changes in antral fluid hormone concentrations in humans. McNatty KP. **Clin Endocrinol Metab** 7(3):577–600, Nov 78

URINE

[Mechanism of a decrease in urinary testosterone excretion in chronic fluoride poisoning] Tokar' VI, et al. **Gig Tr Prof Zabol** (1):37–9, 1979 **(Rus)**

ANDROSTERONE

METABOLISM

The specificity of the human uterine receptor. Fanchenko ND, et al. **Acta Endocrinol (Copenh)** 90(1):167–75, Jan 79

PHARMACODYNAMICS

Effect of several androgens, cyproterone acetate or estrogen-progesterone on the prolactin-releasing activity of arginine vasotocin in castrated male rats. Vaughan MK, et al. **Mol Cell Endocrinol** 12(3):309–18, Dec 78

URINE

Steroid excretion in anorexia nervosa patients. Vanluchene E, et al. **Acta Endocrinol (Copenh)** 90(1):133–8, Jan 79

BECLOMETHASONE

THERAPEUTIC USE

The asthmatic. Fink JN. **Am Fam Physician** 18(6):124–7, Dec 78

BETAMETHASONE

ADMINISTRATION & DOSAGE

Atopic eczema and allergy in early childhood. Hill D, et al. **Med J Aust** 2(6 Suppl):7–8, 2 Dec 78

ADVERSE EFFECTS

Adrenocortical suppression by synthetic corticosteroid drugs: a comparative study of prednisolone and betamethasone. Downie WW, et al. **Br J Clin Pharmacol** 6(5):397–9, Nov 78

ANALOGS & DERIVATIVES

Topical betamethasone 17-valerate is an anticorticosteroid in the rat. 1. Dermal atrophy. Young JM, et al. **Br J Dermatol** 99(6):655-63, Dec 78

Topical betamethasone 17-valerate is an anticorticosteroid in the rat. 2. Anti-inflammatory and anti-lymphocyte activities. Young JM, et al. **Br J Dermatol** 99(6):665-73, Dec 78

ANTAGONISTS & INHIBITORS

Topical betamethasone 17-valerate is an anticorticosteroid in the rat. 1. Dermal atrophy. Young JM, et al. **Br J Dermatol** 99(6):655-63, Dec 78

PHARMACODYNAMICS

Effects of betamethasone on phospholipid content, composition and biosynthesis in the fetal rabbit lung. Rooney SA, et al. **Biochim Biophys Acta** 572(1):64-76, 29 Jan 79

BETAMETHASONE 17-VALERATE

ADVERSE EFFECTS

Steroid addiction. Kligman AM, et al. **Int J Dermatol** 18(1):23-31, Jan-Feb 79 (35 ref.)

PHARMACODYNAMICS

Topical betamethasone 17-valerate is an anticorticosteroid in the rat. 1. Dermal atrophy. Young JM, et al. **Br J Dermatol** 99(6):655-63, Dec 78

Topical betamethasone 17-valerate is an anticorticosteroid in the rat. 2. Anti-inflammatory and anti-lymphocyte activities. Young JM, et al. **Br J Dermatol** 99(6):665-73, Dec 78

Comparative study of the vasoconstrictor activity of halopredone acetate in a modified McKenzie test. Rampini E, et al. **Eur J Clin Pharmacol** 14(5):325-9, 18 Dec 78

THERAPEUTIC USE

Topical betamethasone 17-valerate is an anticorticosteroid in the rat. 2. Anti-inflammatory and anti-lymphocyte activities. Young JM, et al. **Br J Dermatol** 99(6):665-73, Dec 78

*

CORTICOSTERONE

ANALOGS & DERIVATIVES

Seasonal variation in adrenal 11beta-hydroxysteroid dehydrogenase activity in the meadow vole (Microtus pennsylvanicus). Ungar F, et al. **Gen Comp Endocrinol** 36(1):111-8, Sep 78

Aldosterone diagnosis in hypertension: comparative evaluation of radioimmunoassays for urinary aldosterone and 18-OH-corticosterone. Connolly TM, et al. **Klin Wochenschr** 56 Suppl 1:173-81, 1978

ANALYSIS

[Researches on the physiopathologic effects of rapeseed oil with high and low erucic acid content] Ziemlanski S, et al. **Ann Nutr Aliment** 32(4):781-800, 1978 (Eng. Abstr.) **(Fre)**

BIOSYNTHESIS

Studies on cyclic nucleotides in the adrenal gland. IX. Effects of ACTH on cyclic AMP and steroid production by the zona fasciculata-reticularis of the adrenal cortex. Shima S, et al. **Acta Endocrinol (Copenh)** 90(1):139-46, Jan 79

Regulation of adrenocortical steroidogenesis by cyclic 3'-5'-guanosine monophosphate in isolated rat adrenal cells. Harrington CA, et al. **Biochem Biophys Res Commun** 85(1):55-61, 14 Nov 78

Studies on the distribution of steroid between medium and tissue after incubation of rat adrenal glands in vitro [proceedings] Sibley CP, et al. **J Endocrinol** 79(2):63P-64P, Nov 78

*CLOBETASOL See page 94.

BLOOD

Significance of the chronobiological approach in carrying out aging studies. Scheving LE, et al. **Adv Exp Med Biol** 108:57-96, 1978

Effects of pipecolinomethylhydroxyindane on testicular and adrenocortical function in rats. Kinson GA. **Arch Androl** 1(2):185-91, 1978

Pituitary adrenocortical response to stress during the first day of post-natal life in the rat. Corbier P, et al. **Biol Neonate** 34(3-4):105-11, 1978

The effects of opiate receptor agonists and antagonists on the stress-induced secretion of corticosterone in mice. Gibson A, et al. **Br J Pharmacol** 65(1):139-46, Jan 79

The effect of hypothalamic hemi-islands on compensatory adrenal growth. Holzwarth MA, et al. **Brain Res** 162(1):33-43, 16 Feb 79

Adrenaline, noradrenaline and dopamine levels in specific brain stem areas of acutely immobilized rats. Saavedra JM, et al. **Brain Res** 160(2):271-80, 12 Jan 79

A three hours study of the response of plasma corticosterone and of three liver enzymes in rats subjected to stress in the late afternoon or during the morning hours. Németh S. **Endokrinologie** 72(2):223-30, May 78

Beta-lipotropin and endorphins: implications of current knowledge. Guillemin R. **Hosp Pract** 13(11):53-60, Nov 78

Postnatal endocrine dysfunction resulting from prenatal exposure to carbofuran, diazinon or chlordane. Cranmer JS, et al. **J Environ Pathol Toxicol** 2(2):357-69, Nov-Dec 78

Plasma corticosterone responses to stress following chronic oral administration of diazepam in the rat. Barlow SM, et al. **J Pharm Pharmacol** 31(1):23-6, Jan 79

Physiological changes in rats exposed to cold/restraint stress. Beattie D. **Life Sci** 23(23):2307-13, 4 Dec 78

The effect of recaging into groups or into isolation on the pituitary adrenal response tc immobilization of different age groups of C57BL/6J mice. Redgate ES, et al. **Life Sci** 23(25):2467-74, 18 Dec 78

Influence of corticosteroids on lymphocyte recirculation. Lundin PM, et al. **Lymphology** 11(4):216-21, Dec 78

Effect of adrenalectomy on temporal patterns of serum gonadotropin levels. Dunn JD, et al. **Neuroendocrinology** 27(3-4):126-35, 1978

ACTH release after tuberal electrical stimulation in rats with various cuts around the medial basal hypothalamus. Makara GB, et al. **Neuroendocrinology** 27(3-4):109-18, 1978

The development of the serum corticosterone rhythm in rats. Ramaley JA. **Neuroendocrinology** 27(3-4):97-108, 1978

Effects of age of blinding on rhythmic pituitary-adrenal function in female rats. Swan C, et al. **Neuroendocrinology** 27(3-4):175-85, 1978

Effect of stress on brain histamine. Mazurkiewicz-Kwilecki IM, et al. **Pharmacol Biochem Behav** 9(4):465-8, Oct 78

Effects of cold stress on tumor growth. Burchfield SR, et al. **Physiol Behav** 21(4):537-40, Oct 78

Effects of the duration of individual or group housing on behavioural and adrenocortical reactivity in male mice. Goldsmith JF, et al. **Physiol Behav** 21(5):757-60, Nov 78

Sensitive pituitary-adrenal responsiveness to varying intensities of psychological stimulation. Hennessy MB, et al. **Physiol Behav** 21(3):295-7, Sep 78

On the role of angiotensin in the cerebellum. Thomas CB, et al. **Proc Soc Exp Biol Med** 160(2):278-80, Feb 79

Hormone changes triggered by aggression in a natural population of blackbirds. Harding CF, et al. **Science** 203(4383):918-20, 2 Mar 79

The fluorometric assay of rat plasma corticosterone: evaluation of nonspecific fluorescence. Butte JC, et al. **Steroids** 32(5):607-14, Dec 78

[Changes in the content of eosinophils, corticosterone and catecholamines during liver regeneration following resection] Malyshev VV, et al. **Biull Eksp Biol Med** 86(12):663-4, Dec 78 (Eng. Abstr.) **(Rus)**

[Role of endogenous glucocorticoids in the regulation of migration and recirculation of the hematopoietic stem cells] Moroz BB, et al. **Patol Fiziol Eksp Ter** (5):9-15, Sep-Oct 78 (Eng. Abstr.) **(Rus)**

METABOLISM

A comparison of the glucocorticoid receptor in cytosol from rat liver and hippocampus. Wrange O. **Biochim Biophys Acta** 582(2):346-57, 18 Jan 79

Pituitary adrenocortical response to stress during the first day of post-natal life in the rat. Corbier P, et al. **Biol Neonate** 34(3-4):105-11, 1978

In vitro tropic action of ACTH upon adrenocortical cyclic nucleotide (cAMP, cGMP) production and corticosterone output in blue (Prionace glauca Linnaeus) and in mako (Isurus oxyrinchus Rafinesque) sharks. Honn KV, et al.

Gen Comp Endocrinol 36(1):161–9, Sep 78

Seasonal variation in adrenal 11beta-hydroxysteroid dehydrogenase activity in the meadow vole (Microtus pennsylvanicus). Ungar F, et al. **Gen Comp Endocrinol** 36(1):111–8, Sep 78

Specific interaction of corticosteroids with binding sites in the plasma membranes of the rat anterior pituitary gland. Koch B, et al. **J Endocrinol** 79(2):215–22, Nov 78

Postnatal endocrine dysfunction resulting from prenatal exposure to carbofuran, diazinon or chlordane. Cranmer JS, et al. **J Environ Pathol Toxicol** 2(2):357–69, Nov–Dec 78

[Effect of increased pressure on the state of the hypophyseal-adrenal and gonadal systems (experimental data)] Kirillov VF, et al. **Gig Tr Prof Zabol** (1):39–41, 1979 **(Rus)**

PHARMACODYNAMICS

Mineralocorticoid effects on cation transport by cortical collecting tubules in vitro. Schwartz GJ, et al. **Am J Physiol** 235(6):F576–85, Dec 78

In vitro effects of hormonal stimuli upon tyrosinase and peroxidase activities in murine melanomas. Abramowitz J, et al. **Biochem Biophys Res Commun** 85(3):1067–73, 14 Dec 78

Role of monoamines in mediating the action of hormones on learning and memory. pp. 249–68. Telegdy G, et al. **In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978.**

Pituitary-adrenal axis and oral morphine consumption in rats. Van Ree JM, et al. **Pharmacol Biochem Behav** 9(4):493–8, Oct 78

Estrogen control of prolactin synthesis in vitro. Lieberman ME, et al. **Proc Natl Acad Sci USA** 75(12):5946–9, Dec 78

[Glucocorticoid hormones and the regulation of energy metabolism in the brain] Vol'skiĭ GG. **Nerv Sist** 18:39–53, 1978 (66 ref.) **(Rus)**

SECRETION

Studies on the distribution of steroid between medium and tissue after incubation of rat adrenal glands in vitro [proceedings] Sibley CP, et al. **J Endocrinol** 79(2):63P–64P, Nov 78

Corticotropin responsiveness in the neonatal rat. Guillet R, et al. **Neuroendocrinology** 27(3–4):119–25, 1978

URINE

Evaluation of stress and its effects on the immune system of hand-reared mule deer fawns (Odocoileus hemionus). Trindle BD, et al. **J Wildl Dis** 14(4):523–37, Oct 78

The effect of chronic ACTH treatment on blood pressure and urinary excretion of steroids in the rat. Haack D, et al. **Klin Wochenschr** 56 Suppl 1:183–6, 1978

CORTISONE

ADMINISTRATION & DOSAGE

Predisposing factors in systemic and central nervous system candidiasis: histopathological and cultural observations in the rat. Otero RB, et al. **Mycopathologia** 64(2):113–20, 16 Oct 78

[Addison's disease and pregnancy] Gundersen T. **Tidsskr Nor Laegeforen** 99(2):87–8, 20 Jan 79 (Eng. Abstr.) **(Nor)**

ANALOGS & DERIVATIVES

Steroid excretion in anorexia nervosa patients. Vanluchene E, et al. **Acta Endocrinol (Copenh)** 90(1):133–8, Jan 79

BLOOD

Vitiligo and anti-malarials [letter] Gokhale BB. **Int J Dermatol** 17(10):843, Dec 78

IMMUNOLOGY

Compounds in the urinary pH 1 extract reacting with corticosteroid and tetrahydrocorticosteroid antisera. Separation of a nonpolar substance with affinity to a tetrahydroaldosterone antiserum. Lichtwald K, et al. **Klin Wochenschr** 56 Suppl 1:169–72, 1978

METABOLISM

The specificity of the human uterine receptor. Fanchenko ND, et al. **Acta Endocrinol (Copenh)** 90(1):167–75, Jan 79

PHARMACODYNAMICS

Frequency-dependence of the metabolism of 3H-noradrenaline released from rabbit isolated aorta: effects of a combination of cocaine and corticosterone or hydrocortisone. Schrold J, et al. **Acta Pharmacol Toxicol (Copenh)** 44(1):13–21, Jan 79

Hymenolepis nana: protective immunity against mouse-derived cysticercoids induced by initial inoculation with eggs. Ito A. **Exp Parasitol** 117(1):12–9, Nov 78

The effect of cortisone on the accumulation, activation, and necrosis of macrophages in tuberculous lesions. McCue RE, et al. **Inflammation** 3(2):159–76, Jun 78

Differential response of early erythropoietic and granulopoietic progenitors to dexamethasone and cortisone. Zalman F, et al. **J Exp Med** 149(1):67–72, 1 Jan 79

Generation of T helper cells in vitro. V. Antigen-specific Ly1+ T cells mediate the helper effect and induce feedback suppression. McDougal JS, et al. **J Immunol** 122(2):437–42, Feb 79

The differing effects of cortisone treatment on protein turnover of normally active and immobilized rat soleus muscles [proceedings] Goldspink DF, et al. **J Physiol (Lond)** 284:183P–184P, Nov 78

Age dependent reaction of mouse thymus cells with autologous and syngeneic erythrocytes. Ghanta VK, et al. **Mech Ageing Dev** 8(5):329–39, Nov 78

An Lyt differentiated thymocyte subpopulation detected by flow microfluorometry. Mathieson BJ, et al. **Nature** 277(5696):478–80, 8 Feb 79

Sexual differentiation of offspring of mothers treated with cortisone during pregnancy. Dahlöf LG, et al. **Physiol Behav** 21(4):673–4, Oct 78

Collaborative role of macrophages in interactions between parental and F1 hybrid strain lymphocytes. Yamashita A, et al. **Transplantation** 26(6):426–9, Dec 78

[High sexual selectivity of hydrazine derivatives potentiating the antitumor effect of cytostatics] Tret'iakov AV. **Dokl Akad Nauk SSSR** 243(2):537–9, 1978 **(Rus)**

[Glucocorticoid hormones and the regulation of energy metabolism in the brain] Vol'skiĭ GG. **Nerv Sist** 18:39–53, 1978 (66 ref.) **(Rus)**

THERAPEUTIC USE

Hypercalcaemia in adolescent tetraplegic patients: case report and review. Steinberg FU, et al. **Paraplegia** 16(1):60–7, May 78

[Rheumatoid polyarthritis] Fabre J. **Brux Med** (12):655–61, Dec 78 **(Fre)**

[Diagnosis and therapy of Posner-Schlossman syndrome] Hollwich F. **Ber Zusammenkunft Dtsch Ophthalmol Ges** (75):364–6, 1978 (Eng. Abstr.) **(Ger)**

[Therapy in neurology. 1. Chronic headache] von Albert HH. **Fortschr Med** 97(2):53–9, 11 Jan 79 **(Ger)**

[Cortisol plasma concentration in patients with primary adrenal cortex insufficiency during substitution therapy with cortisone acetate] Allolio B, et al. **Verh Dtsch Ges Inn Med** (84):1456–8, 1978 **(Ger)**

[Maximal induction onset and induction time of drug catabolizing human enzymes after administration of rifampicin] Fleischmann R, et al. **Verh Dtsch Ges Inn Med** (84):1608–12, 1978 **(Ger)**

[Addison's disease and pregnancy] Gundersen T. **Tidsskr Nor Laegeforen** 99(2):87–8, 20 Jan 79 (Eng. Abstr.) **(Nor)**

URINE

[Effect of varied sodium intake on the excretion of desoxycorticosterone, cortisol and aldosterone as well as the ACTH stimulation of those corticoids] Bönner G, et al. **Verh Dtsch Ges Inn Med** (84):1458–62, 1978 **(Ger)**

DEHYDROEPIANDROSTERONE

Enzymatic sulfation of steroids--VII. Hepatic cortisol sulfation and glucocorticoid sulfotransferases in old and young male rats. Singer SS, et al. **Exp Gerontol** 13(6):425–9, 1978

BIOSYNTHESIS

Effects of polypeptide hormone preparations on steroid production by the human foetal adrenal gland during superfusion [proceedings] Brown TJ, et al. **J Endocrinol** 79(2):60P–61P, Nov 78

BLOOD

Changes in the plasma levels of androstenedione, dehydroepiandrosterone and cortisol after stimulation with ACTH and hCG and suppression with dexamethasone during male puberty. Herrera-Justiniano E, et al. **Acta Endocrinol (Copenh)** 90(1):113–21, Jan 79

Effect of epimestrol on gonadotropin and prolactin plasma levels and response to luteinizing hormone-releasing hormone/thyrotropin-releasing hormone in secondary amenorrhea and oligomenorrhea. Genazzani AR, et al. **Fertil Steril** 30(6):654–60, Dec 78

Peripheral and adrenal venous levels of steroids in a patient with virilizing adrenal adenoma. Granoff AB, et al. **Obstet Gynecol** 53(1):111–5, Jan 79

Peripheral and ovarian venous concentrations of various steroid hormones in virilizing ovarian tumors. Meldrum DR, et al. **Obstet Gynecol** 53(1):36–43, Jan 79

Fetal considerations. Metabolic clearance rate of maternal plasma dehydroisoandrosterone sulfate. Worley RJ, et al. **Semin Perinatol** 2(1):15–28, Jan 78 (37 ref.)

[Diagnosis of placental sulphatase deficiency (author's transl)] Bailer P, et al. **Z Geburtshilfe Perinatol** 182(5):384–8, Oct 78 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

[Diagnosis of placental sulphatase deficiency (author's transl)] Bailer P, et al. **Z Geburtshilfe Perinatol** 182(5):384–8, Oct 78 (Eng. Abstr.) **(Ger)**

METABOLISM

Testosterone production with hydatidiform moles--in vitro and in vivo studies. Chew PC, et al. **Br J Obstet Gynaecol** 86(1):37–40, Jan 79

Fetal considerations. Metabolic clearance rate of maternal plasma dehydroisoandrosterone sulfate. Worley RJ, et al. **Semin Perinatol** 2(1):15–28, Jan 78 (37 ref.)

[Hormonal dynamics during pregnancy: critical discussion and clinical interpretations] Bélisle S. **Can Med Assoc J** 119(11):1307–9, 9 Dec 78 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Effect of intravenous calcium load on the serum calcium level in postmenopausal osteoporosis (a study of the pathogenesis, and diagnostic use of the test). Holló I, et al. **Acta Med Acad Sci Hung** 35(1):53–9, 1978

Collagenolytic activity and steroid levels after administration of dehydroepiandrosterone sulfate. Mochizuki M, et al. **Int J Gynaecol Obstet** 16(3):248–53, 1978–79

URINE

[Fluorophotometric determination of dehydroepiandrosterone sulfate in urine by ion-pair extraction (author's transl)] Maeda M, et al. **Yakugaku Zasshi** 98(11):1556–60, Nov 78 (Eng. Abstr.) **(Jpn)**

DESOXYCORTICOSTERONE

Nervous system and hypertension. Chalmers JP. **Clin Sci Mol Med** 55 Suppl 4:45s–56s, Dec 78

Alterations of adrenal and uterine angiotensin II receptors during variation of sodium intake and/or experimental hypertension. Devynck MA, et al. **Clin Sci Mol Med** 55 Suppl 4:171S–174S, Dec 78

Altered activity of the sodium-potassium pump in arteries of rats with steroid hypertension. Pamnani MB, et al. **Clin Sci Mol Med** 55 Suppl 4:41s–43s, Dec 78

Hypertension and brain catecholamine distribution in the Hebrew University Sabra, H and N rats. Zamir N, et al. **Clin Sci Mol Med** 55 Suppl 4:105s–107s, Dec 78

Plasma prolactin concentrations in hypertensive rats. Flack JD, et al. **J Pharm Pharmacol** 31(1):61, Jan 79

ANALOGS & DERIVATIVES

Compounds in the urinary pH 1 extract reacting with corticosteroid and tetrahydrocorticosteroid antisera. Separation of a nonpolar substance with affinity to a tetrahydroaldosterone antiserum. Lichtwald K, et al. **Klin Wochenschr** 56 Suppl 1:169–72, 1978

BLOOD

Testosterone-induced focal myocarditis in rats. I. Morphological and biochemical studies with special reference to pathogenetical mechanism and species differences. Imai K, et al. **J Toxicol Sci** 3(3):215–28, Aug 78

DIAGNOSTIC USE

Contribution of peripheral pooling to the renal response to immersion in the dog. Zucker IH, et al. **J Appl Physiol** 45(5):786–90, Nov 78

IMMUNOLOGY

Compounds in the urinary pH 1 extract reacting with corticosteroid and tetrahydrocorticosteroid antisera. Separation of a nonpolar substance with affinity to a tetrahydroaldosterone antiserum. Lichtwald K, et al. **Klin Wochenschr** 56 Suppl 1:169–72, 1978

METABOLISM

[Electron paramagnetic resonance study of the interactions between steroid hormones and binding proteins] Basset M, et al. **Biochimie** 60(8):715–24, 1978 (Eng. Abstr.) **(Fre)**

[Effect of inhalation anesthetics on respiratory system and steroid hydroxylations in rat adrenal mitochondria (author's transl)] Kudo M. **Masui** 28(1):17–26, Jan 79 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Increase in urinary excretion of phosphates, hydroxyproline, and cAMP during acetate desoxycorticosterone + saline treatment in the rat. Berthelot A, et al. **Arch Int Pharmacodyn Ther** 235(2):196–203, Oct 78

Variations in endogenous phosphodiesterase activator content of rat aorta. Lugnier C, et al. **Eur J Pharmacol** 53(1):109–12, 15 Dec 78

Effects of deoxycorticosterone acetate on regeneration of axons in the mammalian central nervous system. Knowles JF, et al. **Exp Neurol** 62(1):1–15, Oct 78

Mechanisms influencing urinary sodium excretion. pp. 179–90. de Wardener HE. **In: Dickinson CJ, Marks J, ed. Developments in cardiovascular medicine. Lancaster, Eng., MTP Press, 1978. WG 100.3 D489 1978.**

Effect of methylprednisolone and polymyxin B sulfate on endotoxin-induced inhibition of human neutrophil chemotaxis. Issekutz AC, et al. **J Lab Clin Med** 92(6):873–82, Dec 78

Ischemic acute renal failure in DOCA-salt-loaded and Goldblatt hypertensive rats. Ploth DW, et al. **J Lab Clin Med** 92(6):1009–18, Dec 78

Hypertension: its effect on the stimulated release of dopamine-beta-hydroxylase in the rat. Algate DR, et al. **J Pharm Pharmacol** 30(12):766–70, Dec 78

The dominance of adrenergic mechanisms in mediating hypotensive drug-induced renin release in the conscious rat. Keeton TK, et al. **J Pharmacol Exp Ther** 208(2):303–9, Feb 79

[Pregnancy-connected hypotension - the influence of mineralo-corticoids on fetal nutrition (author's transl)] Grünberger W, et al. **Geburtshilfe Frauenheilkd** 38(12):1070–4, Dec 78 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Mineralocorticoids in normal and hypertensive pregnancies. Ehrlich EN. **Semin Perinatol** 2(1):61–71, Jan 78 (61 ref.)

SECRETION

Mineralocorticoids in normal and hypertensive pregnancies. Ehrlich EN. **Semin Perinatol** 2(1):61–71, Jan 78 (61 ref.)

THERAPEUTIC USE

[Pregnancy-connected hypotension - the influence of mineralo-corticoids on fetal nutrition (author's transl)] Grünberger W, et al. **Geburtshilfe Frauenheilkd** 38(12):1070–4, Dec 78 (Eng. Abstr.) **(Ger)**

[Preparations with mineralocorticoid action in the overall treatment of peptic ulcer in children] Bielousov IuV, et al.

Pediatr Akush Ginekol (6):19–21, Nov–Dec 78 **(Ukr)**

URINE

[Effect of varied sodium intake on the excretion of desoxycorticosterone, cortisol and aldosterone as well as the ACTH stimulation of those corticoids] Bönner G, et al. **Verh Dtsch Ges Inn Med** (84):1458–62, 1978 **(Ger)**

DEXAMETHASONE

[Specific glucocorticoid receptor activity in the lungs and concentration of corticosteroids in the plasma of newborn rabbits during the first hours of life (author's transl)] Bichler A, et al. **Arch Gynecol** 226(4):307–13, 29 Dec 78 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Adrenal activity in anorexia nervosa. Walsh BT, et al. **Psychosom Med** 40(6):499–506, Oct 78

[Interferon prophylaxis of dentritic keratitis recurrence during local steroid therapy] Sundmacher R, et al. **Ber Zusammenkunft Dtsch Ophthalmol Ges** (75):344–6, 1978 **(Ger)**

ANALOGS & DERIVATIVES

[Plasma cortisol in asthmatics treated with aerosol inhalations of dexametazon-21-isonicotinate (author's transl)] Ouředník A, et al. **Cas Lek Cesk** 117(44–45):1405–8, 1978 (Eng. Abstr.) **(Cze)**

ANTAGONISTS & INHIBITORS

Effects of an anabolic steroid and vitamin B complex upon myopathy induced by corticosteroids. Sakai Y, et al. **Eur J Pharmacol** 52(3–4):353–9, 1 Dec 78

BLOOD

[Effect of proteolytic enzymes on the level of cortisol- and dexamethasone-binding proteins in donor blood plasma] Golikov PP. **Probl Gematol Pereliv Krovi** 24(1):11–3, Jan 79 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Canine plasma cortisol (hydrocortisone) measured by radioimmunoassay: clinical absence of diurnal variation and results of ACTH stimulation and dexamethasone suppression tests. Johnston SD, et al. **Am J Vet Res** 39(11):1766–70, Nov 78

METABOLISM

A comparison of the glucocorticoid receptor in cytosol from rat liver and hippocampus. Wrange O. **Biochim Biophys Acta** 582(2):346–57, 18 Jan 79

Specific interaction of corticosteroids with binding sites in the plasma membranes of the rat anterior pituitary gland. Koch B, et al. **J Endocrinol** 79(2):215–22, Nov 78

PHARMACODYNAMICS

Changes in the plasma levels of androstenedione, dehydroepiandrosterone and cortisol after stimulation with ACTH and hCG and suppression with dexamethasone during male puberty. Herrera-Justiniano E, et al. **Acta Endocrinol (Copenh)** 90(1):113–21, Jan 79

Mineralocorticoid effects on cation transport by cortical collecting tubules in vitro. Schwartz GJ, et al. **Am J Physiol** 235(6):F576–85, Dec 78

Hydrocortisone inhibits DMSO – induced differentiation of Friend erythroleukemia cells. Santoro MG, et al. **Biochem Biophys Res Commun** 85(4):1510–7, 29 Dec 78

Induction of mitochondrial phosphoenolpyruvate carboxykinase in cultured human fibroblasts. Arinze IJ, et al. **Biochim Biophys Acta** 521(2):792–804, 21 Dec 78

Adrenal function testing. Dluhy RG. **Compr Ther** 4(12):53–9, Dec 78

Plasminogen activator synthesis by cultured human embryonic lung cells: characterization of the suppressive effect of corticosteroids. Rifkin DB. **J Cell Physiol** 97(3 Pt 2 Suppl 1):421–8, Dec 78

Hypothalamic corticotrophin releasing factor activity in dogs with pituitary-dependent hyperadrenocorticism. Meijer JC, et al. **J Endocrinol** 79(2):209–13, Nov 78

Differential response of early erythropoietic and granulopoietic progenitors to dexamethasone and cortisone. Zalman F, et al. **J Exp Med** 149(1):67–72, 1 Jan 79

Effect of methylprednisolone and polymyxin B sulfate on endotoxin-induced inhibition of human neutrophil chemotaxis. Issekutz AC, et al. **J Lab Clin Med** 92(6):873–82, Dec 78

Adrenal steroids indirectly modulate morphine and beta-endorphin effects. Holaday JW, et al. **J Pharmacol Exp Ther** 208(2):176–83, Feb 79

Depilatory effects of certain chemicals during the first hair growth cycle in sucking mice. Panaretto BA, et al. **Lab Anim** 12(4):185–92, Oct 78

Umbilical cord and neonatal cortisol levels. Effect of gestational and neonatal factors. Kauppila A, et al. **Obstet Gynecol** 52(6):666–72, Dec 78

Glucocorticoid inhibition of FSH-induced estrogen production in cultured rat granulosa cells. Hsueh AJ, et al. **Steroids** 32(5):639–48, Dec 78

THERAPEUTIC USE

Evidence for an unidentified, adrenocorticotrophic hormone-dependent mineralocorticoid maintaining hypertension in young women with hypoaldosteronism. Hoefnagels WH, et al. **Clin Sci Mol Med** 55 Suppl 4:271s–274s, Dec 78

Umbilical cord and neonatal cortisol levels. Effect of gestational and neonatal factors. Kauppila A, et al. **Obstet Gynecol** 52(6):666–72, Dec 78

[Adrenocorticotropic and steroid secretion in hirsute pregnant women with habitual abortion] Despodova Ts, et al. **Akush Ginekol (Sofiia)** 17(6):417–23, 1978 (Eng. Abstr.) **(Bul)**

DEXAMETHASONE ISONICOTINATE

THERAPEUTIC USE

[Plasma cortisol in asthmatics treated with aerosol inhalations of dexametazon-21-isonicotinate (author's transl)] Ouředník A, et al. **Cas Lek Cesk** 117(44–45):1405–8, 1978 (Eng. Abstr.) **(Cze)**

ESTRONE

ADMINISTRATION & DOSAGE

[Sex hormones and the infection process] Rudzit EA, et al. **Patol Fiziol Eksp Ter** (6):77–83, Nov–Dec 78 (50 ref.) **(Rus)**

ADVERSE EFFECTS

[Estrogen substitution and endometrial carcinoma] Kruyver GP. **Ned Tijdschr Geneeskd** 123(10):383–7, 10 Mar 79 (Eng. Abstr.) **(Dut)**

ANALOGS & DERIVATIVES

Appearance of oestrone sulphate in the allantoic fluid of the cow. Robertson HA, et al. **J Endocrinol** 79(2):243–4, Nov 78

[In vitro comparative metabolism of 6,7-3H estrone and 6,7-3H estrone-3-sulfate in maternal and fetal guinea-pig liver] Goutte-Coussieu C, et al. **Biochimie** 60(8):795–8, 1978 (Eng. Abstr.) **(Fre)**

[Effect of estrogen-gestagen on calcium metabolism] Nadjafi-Triebsch C, et al. **Gynaekol Rundsch** 18 Suppl 1:162–4, 1978 **(Ger)**

ANALYSIS

Existence of an estrogen-like compound in the ovary of the shrimp Parapenaeus fissurus. Jeng SS, et al. **Gen Comp Endocrinol** 36(2):211–4, Oct 78

[Immuno-enzymatic estimation of steroids (author's transl)] Gros C, et al. **Ann Biol Clin (Paris)** 36(4):393–6, 1978 (Eng. Abstr.) **(Fre)**

ANTAGONISTS & INHIBITORS

Mechanism of action of aminoglutethimide in breast cancer [letter] Santen RJ, et al. **Lancet** 1(8106):44–5, 6 Jan 79

BIOSYNTHESIS

Mechanism of action of aminoglutethimide in breast cancer [letter] Santen RJ, et al. **Lancet** 1(8106):44–5, 6 Jan 79

BLOOD

Enhanced testosterone in female patients with anorexia nervosa: its normalization after weight gain. Baranowska B, et al. **Acta Endocrinol (Copenh)** 90(2):328–35, Feb 79

Effect of stress on the profile of plasma steroids in baboons (Papio hamadryas). Goncharov NP, et al. **Acta Endocrinol (Copenh)** 90(2):372–84, Feb 79

Plasma levels of oestrone and oestradiol–17beta in postmenopausal women. Badawy SZ, et al. **Br J Obstet Gynaecol** 86(1):56–63, Jan 79

Plasma levels of oestrone, oestradiol and gonadotrophins in postmenopausal women after oral and vaginal administration of conjugated equine oestrogens (Premarin). Englund DE, et al. **Br J Obstet Gynaecol** 85(12):957–64, Dec 78

Effect of testosterone application on hormone concentrations of androgens and estrogens in male patients with cirrhosis of the liver. Kley HK, et al. **Gastroenterology** 76(2):235–41, Feb 79

Stimulation of estrogen and luteinizing hormone secretion in postpartum beef cows. Echternkamp SE. **J Anim Sci** 47(2):521–31, Aug 78

Plasma hormone levels and the conversion of androstenedione to oestrone in women with endometrial cancer [proceedings] Reed MJ, et al. **J Endocrinol** 79(2):54P–55P, Nov 78

Androgen insensitivity as a cause of infertility in otherwise normal men. Aiman J, et al. **N Engl J Med** 300(5):223–7, 1 Feb 79

Plasma hormone profiles after the menopause and bilateral oöphorectomy. Studd JW, et al. **Postgrad Med J** 54(2):25–30, 1978

[Diagnosis of placental sulphatase deficiency (author's transl)] Bailer P, et al. **Z Geburtshilfe Perinatol** 182(5):384–8, Oct 78 (Eng. Abstr.) **(Ger)**

METABOLISM

Localization, metabolism, and binding of estrogens in the male rat. Robinette CL, et al. **Arch Biochem Biophys** 191(2):517–24, Dec 78

Mechanism of glucose transfer to steroids by rabbit liver microsomes. Comerton AM, et al. **Can J Biochem** 56(11):1082–5, Nov 78

Appearance of oestrone sulphate in the allantoic fluid of the cow. Robertson HA, et al. **J Endocrinol** 79(2):243–4, Nov 78

The effect of alcohol ingestion on hepatic aromatase activity and plasma steroid hormones in the rat. Gordon GG, et al. **Metabolism** 28(1):20–4, Jan 79

[In vitro comparative metabolism of 6,7–3H estrone and 6,7–3H estrone–3–sulfate in maternal and fetal guinea–pig liver] Goutte–Coussieu C, et al. **Biochimie** 60(8):795–8, 1978 (Eng. Abstr.) **(Fre)**

[Metabolism of estradiol–17 beta 3–propyl–ether compared to that of estradiol–17 beta in perfused rat liver] Tresca JP, et al. **Can J Biochem** 56(10):985–92, Oct 78 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

[The effect of local anaesthetics on uterine blood flow and O2–consumption in non–pregnant sheep (author's transl)] Lanz E, et al. **Anaesthesist** 28(1):18–24, Jan 79 (Eng. Abstr.) **(Ger)**

[Effect of estrogen–gestagen on calcium metabolism] Nadjafi–Triebsch C, et al. **Gynaekol Rundsch** 18 Suppl 1:162–4, 1978 **(Ger)**

[Effect of estrone on the response of the isolated hepatic artery to adrenaline in the presence of pyrogallol] Bettini V, et al. **Boll Soc Ital Biol Sper** 54(5):446–9, 15 Mar 78 **(Ita)**

[11–azasteroids. V. Hormonal properties of 11–azaestranes] Ivanenko TI, et al. **Probl Endokrinol (Mosk)** 25(1):62–8, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Cyclic changes in antral fluid hormone concentrations in humans. McNatty KP. **Clin Endocrinol Metab** 7(3):577–600, Nov 78

SECRETION

Stimulation of estrogen and luteinizing hormone secretion in postpartum beef cows. Echternkamp SE. **J Anim Sci** 47(2):521–31, Aug 78

URINE

The concentrations of urinary oestrone–3–glucuronide, LH and pregnanediol–3alpha–glucuronide as indices of ovarian function. Collins WP, et al. **Acta Endocrinol (Copenh)** 90(2):336–48, Feb 79

ETIOCHOLANOLONE

[Effect of prednisolone on experimental etiocholanolone fever and its therapeutic use in leukapheresis] Groth W, et al. **Verh Dtsch Ges Inn Med** (84):134–8, 1978 **(Ger)**

METABOLISM

Steroid metabolism in human breast cancer cell lines. Raju U, et al. **Steroids** 32(5):669–80, Dec 78

URINE

Steroid excretion in anorexia nervosa patients. Vanluchene E, et al. **Acta Endocrinol (Copenh)** 90(1):133–8, Jan 79

FLUDROCORTISONE

ADMINISTRATION & DOSAGE

[Addison's disease and pregnancy] Gundersen T. **Tidsskr Nor Laegeforen** 99(2):87–8, 20 Jan 79 (Eng. Abstr.) **(Nor)**

THERAPEUTIC USE

[Addison's disease and pregnancy] Gundersen T. **Tidsskr Nor Laegeforen** 99(2):87–8, 20 Jan 79 (Eng. Abstr.) **(Nor)**

FLUMETHASONE

PHARMACODYNAMICS

Depilatory effects of certain chemicals during the first hair growth cycle in sucking mice. Panaretto BA, et al. **Lab Anim** 12(4):185–92, Oct 78

FLUOCINOLONE ACETONIDE

ANALOGS & DERIVATIVES

Flunisolide in chronic bronchial asthma. Webb DR, et al. **Ann Allergy** 42(2):80–2, Feb 79

ANTAGONISTS & INHIBITORS

Topical betamethasone 17–valerate is an anticorticosteroid in the rat. 2. Anti–inflammatory and anti–lymphocyte activities. Young JM, et al. **Br J Dermatol** 99(6):665–73, Dec 78

PHARMACODYNAMICS

Comparative study of the vasoconstrictor activity of halopredone acetate in a modified McKenzie test. Rampini E, et al. **Eur J Clin Pharmacol** 14(5):325–9, 18 Dec 78

THERAPEUTIC USE

Flunisolide in chronic bronchial asthma. Webb DR, et al. **Ann Allergy** 42(2):80–2, Feb 79

*

FLUPREDNISOLONE

ANALOGS & DERIVATIVES

Comparative study of the vasoconstrictor activity of halopredone acetate in a modified McKenzie test. Rampini E, et al. **Eur J Clin Pharmacol** 14(5):325–9, 18 Dec 78

*FLUOCORTOLONE See page 94

PHARMACODYNAMICS

Comparative study of the vasoconstrictor activity of halopredone acetate in a modified McKenzie test. Rampini E, et al. **Eur J Clin Pharmacol** 14(5):325–9, 18 Dec 78

GLUCOCORTICOIDS

Enzymatic sulfation of steroids. V. Partial purification and some properties of sulfotransferase III, the major glucocorticoid sulfotransferase of liver cytosols from male rats. Singer SS, et al. **Can J Biochem** 56(11):1028–35, Nov 78

[Progress in the field of drug development. 11.] Henkler G, et al. **Pharmazie** 33(9):551–67, Sep 78 (306 ref.) **(Ger)**

ADMINISTRATION & DOSAGE

A domiciliary study of urinary circadian rhythms in rheumatoid patients with particular reference to the effects of the time of administration of corticosteroid drugs [proceedings] Knapp MS, et al. **Br J Clin Pharmacol** 6(5):461P–462P, Nov 78

Growth and glucocorticoids in children with kidney disease. Travis LB, et al. **Kidney Int** 14(4):365–8, Oct 78 (25 ref.)

ADVERSE EFFECTS

Growth and glucocorticoids in children with kidney disease. Travis LB, et al. **Kidney Int** 14(4):365–8, Oct 78 (25 ref.)

Failure to thrive associated with renal disease. Friedman J, et al. **Pediatr Ann** 7(11):767–73, Nov 78 (55 ref.)

[Influence of drugs used in obstetrics on carbohydrate metabolism (author's transl)] Mitzkat HJ, et al. **Z Geburtshilfe Perinatol** 182(5):331–42, Oct 78 (140 ref.) (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

Effects of an anabolic steroid and vitamin B complex upon myopathy induced by corticosteroids. Sakai Y, et al. **Eur J Pharmacol** 52(3–4):353–9, 1 Dec 78

The effect of glucocorticoid antagonizing factor on hepatoma cells. Goodrum KJ, et al. **Proc Soc Exp Biol Med** 159(3):359–63, Dec 78

BLOOD

Luteolysis, growth hormone, glucocorticoids, prolactin and milk production in lactating dairy cows given prostaglandin F2alpha. Renegar RH, et al. **J Anim Sci** 47(2):532–7, Aug 78

[Glucocorticoid secretion and metabolism under general anesthesia in urological patients] Mozhaev GA. **Anesteziol Reanimatol** (6):50–6, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

METABOLISM

Enzymatic sulfation of steroids—VII. Hepatic cortisol sulfation and glucocorticoid sulfotransferases in old and young male rats. Singer SS, et al. **Exp Gerontol** 13(6):425–9, 1978

PHARMACODYNAMICS

Hydrocortisone inhibits DMSO – induced differentiation of Friend erythroleukemia cells. Santoro MG, et al. **Biochem Biophys Res Commun** 85(4):1510–7, 29 Dec 78

Increase of cardiac taurine by glucocorticoids. Matsuda T, et al. **Biochem Pharmacol** 27(24):2973–5, 1978

The regulation of amino acid transport in animal cells. Guidotti GG, et al. **Biochim Biophys Acta** 515(4):329–66, 15 Dec 78 (430 ref.)

Effects of hormones on osteocyte function and perilacunar wall structure. Baud CA, et al. **Clin Orthop** (136):270–81, Oct 78 (81 ref.)

Interactions of locally produced humoral substances in regulation of the microcirculation. pp. 98–106. Altura BM, et al. **In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.** (33 ref.)

Plasminogen activator synthesis by cultured human embryonic lung cells: characterization of the suppressive effect of corticosteroids. Rifkin DB. **J Cell Physiol** 97(3 Pt 2 Suppl 1):421–8, Dec 78

Synthesis of specific lipids associated with the hormone-induced resistance of tumor cells to humoral immune killing. Schlager SI, et al. **J Immunol** 122(1):108–14, Jan 79

Mechanisms of glucocorticoid inhibition of growth. Baxter JD. **Kidney Int** 14(4):330–3, Oct 78 (30 ref.)

Glucocorticoid and antibiotic effects on hepatic microcirculation and associated host responses in lethal gram-negative bacteremia. Balis JU, et al. **Lab Invest** 40(1):55–65, Jan 79

Hormonal regulation of Leydig cell function. Purvis K, et al. **Mol Cell Endocrinol** 12(2):123–38, Nov 78 (65 ref.)

A selective decrease of collagen peptide synthesis by dermal polysomes isolated from glucocorticoid-treated newborn rats. McNelis B, et al. **Mol Pharmacol** 14(6):1167–75, Nov 78

Glucocorticoids regulate the concentration of 1,25-dihydroxycholecalciferol receptors in bone. Manolagas SC, et al. **Nature** 277(5694):314–5, 22 Jan 79

Endothelial cell physiology, perturbations and responses. Barnhart MI, et al. **Semin Thromb Hemostas** 5(2):50–86, Fall 78 (212 ref.)

Glucocorticoid inhibition of FSH-induced estrogen production in cultured rat granulosa cells. Hsueh AJ, et al. **Steroids** 32(5):639–48, Dec 78

[Glucocorticoid hormones and the regulation of energy metabolism in the brain] Vol'skiĭ GG. **Nerv Sist** 18:39–53, 1978 (66 ref.) **(Rus)**

PHYSIOLOGY

Thyrotropin releasing hormone, somatostatin, and galactorrhea [letter] DiNicola AF. **Am J Clin Nutr** 32(2):279–8, Feb 79

Action of growth factors in the cell cycle. Rudland PS, et al. **Biochim Biophys Acta** 560(1):91–133, 4 Feb 79 (276 ref.)

Glucocorticoid modulation of prolactin receptors on mammary cells of lactating mice. Sakai S, et al. **Biochim Biophys Acta** 582(1):79–88, 4 Jan 79

Role of spermidine in casein gene expression in the rabbit. Houdebine LM, et al. **Biochimie** 60(8):735–41, 1978

Control of parturition in subhuman primates. Challis JR, et al. **Semin Perinatol** 2(3):247–60, Jul 78 (66 ref.)

Steroid hormone regulation of specific gene expression. Chan L, et al. **Vitam Horm** 36:259–95, 1978 (202 ref.)

[Importance of endogenous glucocorticoids for liver growth] Junge U, et al. **Verh Dtsch Ges Inn Med** (84):1098–100, 1978 **(Ger)**

[Dynamics and quantification of carbohydrate metabolism] Hinghofer-Szalkay H. **Wien Med Wochenschr** 129(1):1–8, 15 Jan 79 **(Ger)**

[Glucocorticoid hormones and the regulation of energy metabolism in the brain] Vol'skiĭ GG. **Nerv Sist** 18:39–53, 1978 (66 ref.) **(Rus)**

SECRETION

[Glucocorticoid secretion and metabolism under general anesthesia in urological patients] Mozhaev GA. **Anesteziol Reanimatol** (6):50–6, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Bronchial asthma and pathological processes in the nasopharynx. I. Clinical analysis during remission and attack. Obtulowicz K, et al. **Ann Allergy** 42(1):44–8, Jan 79

Flunisolide in chronic bronchial asthma. Webb DR, et al. **Ann Allergy** 42(2):80–2, Feb 79

To be or not to VIP [editorial] Jaffe BM. **Gastroenterology** 76(2):417–20, Feb 79

Growth and glucocorticoids in children with kidney disease. Travis LB, et al. **Kidney Int** 14(4):365–8, Oct 78 (25 ref.)

Glucocorticoid and antibiotic effects on hepatic microcirculation and associated host responses in lethal gram-negative bacteremia. Balis JU, et al. **Lab Invest** 40(1):55–65, Jan 79

The anatomy, physiology, pharmacology and pathology of tracheobronchial mucus secretion and the use of expectorant drugs in human disease. Richardson PS, et al. **Pharmacol Ther [B]** 3(4):441–79, 1978 (248 ref.)

Drugs in the treatment of asthma. Svedmyr N, et al. **Pharmacol Ther [B]** 3(4):397–440, 1978 (428 ref.)

[Modern internal therapy of skin diseases (author's transl)] Goerz G. **MMW** 121(4):133–6, 26 Jan 79 (Eng. Abstr.) **(Ger)**

[Glucocorticoids in dental surgery and maxillofacial surgery] Tischendorf L, et al. **Stomatol DDR** 28(12):914–9, Dec 78 (Eng. Abstr.) **(Ger)**

[Problems of juvenile poisoning (Ingestion accidents)] Rechlin

R, et al. **Z Aerztl Fortbild (Jena)** 72(20):960–6, 15 Oct 78 (50 ref.) **(Ger)**

[Influence of drugs used in obstetrics on carbohydrate metabolism (author's transl)] Mitzkat HJ, et al. **Z Geburtshilfe Perinatol** 182(5):331–42, Oct 78 (140 ref.) (Eng. Abstr.) **(Ger)**

HYDROCORTISONE

ADMINISTRATION & DOSAGE

Interaction by cholestyramine on the uptake of hydrocortisone in the gastrointestinal tract. Johansson C, et al. **Acta Med Scand** 204(6):509–12, 1978

Nursing management of adriamycin extravasation. Barlock AL, et al. **Am J Nurs** 79(1):94–6, Jan 79

Iodochlorhydroxyquin–hydrocortisone treatment of fungal infections. Double-blind trial. Maibach HI. **Arch Dermatol** 114(12):1773–5, Dec 78

Pulmonary and circulatory function in preterm lambs treated with hydrocortisone in utero. Thibeault DW, et al. **Biol Neonate** 34(5–6):238–47, 1978

Symposium on nutritional requirements of the surgical patient. 2. Peripheral parenteral nutrition. Freeman JB. **Can J Surg** 21(6):489–92, Nov 78

Synergistic interactions of physiologic increments of glucagon, epinephrine, and cortisol in the dog: a model for stress-induced hyperglycemia. Eigler N, et al. **J Clin Invest** 63(1):114–23, Jan 79

[Effects of dopamine and hydrocortisone in the acute endotoxin shock in the anesthetized dog] Vyhnánek F, et al. **Rozhl Chir** 57(11):749–56, Nov 78 (Eng. Abstr.) **(Cze)**

[Nasal drops, JO 1016] Gaillard J, et al. **J Fr Otorhinolaryngol** 27(7):487–8, Sep 78 **(Fre)**

[Interferon prophylaxis of dentritic keratitis recurrence during local steroid therapy] Sundmacher R, et al. **Ber Zusammenkunft Dtsch Ophthalmol Ges** (75):344–6, 1978 **(Ger)**

[Effect of a single dose of various antirheumatic drugs on blood gastrin levels and on the acid secretion of the stomach] Curtarelli G, et al. **Minerva Dietol Gastroenterol** 24(2):101–6, Apr–Jun 78 (Eng. Abstr.) **(Ita)**

[Hematopoietic organs in mice following a single administration of hydrocortisone] Shvets VN, et al. **Biull Eksp Biol Med** 87(1):12–6, Jan 79 (Eng. Abstr.) **(Rus)**

[Selective exposure of bone marrow lymphocytes to massive doses of hydrocortisone for the purpose of facilitating the ultrastructural identification of hematopoietic stem cells] Butenko ZA, et al. **Dokl Akad Nauk SSSR** 244(4):1030–2, 1979 **(Rus)**

[Complications in local use of corticosteroid hormones] Redin VA. **Ortop Travmatol Protez** (11):47–51, Nov 78 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Iodochlorhydroxyquin–hydrocortisone treatment of fungal infections. Double-blind trial. Maibach HI. **Arch Dermatol** 114(12):1773–5, Dec 78

[Complications in local use of corticosteroid hormones] Redin VA. **Ortop Travmatol Protez** (11):47–51, Nov 78 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Steroid excretion in anorexia nervosa patients. Vanluchene E, et al. **Acta Endocrinol (Copenh)** 90(1):133–8, Jan 79

Clinical experiences with a new steroid-antibacterial preparation in the treatment of infected eczema. (A pilot study in twenty-eight patients). Blair C, et al. **Br J Clin Pract** 32(10):289–90, Oct 78

[Nasal drops, JO 1016] Gaillard J, et al. **J Fr Otorhinolaryngol** 27(7):487–8, Sep 78 **(Fre)**

ANALYSIS

Evaluation of a competitive binding assay for cortisol using horse transcortin. Stahl F, et al. **Endokrinologie** 72(2):214–22, May 78

Control of parturition in subhuman primates. Challis JR, et al. **Semin Perinatol** 2(3):247–60, Jul 78 (66 ref.)

[Immuno-enzymatic estimation of steroids (author's transl)] Gros C, et al. **Ann Biol Clin (Paris)** 36(4):393–6, 1978 (Eng. Abstr.) **(Fre)**

[Study of the hypothalamo-pituitary adrenal function in 16 patients after surgery for pituitary tumor (author's transl)] Laurent MF, et al. **Ann Endocrinol (Paris)** 39(4):267–79, Jul–Aug 78 (Eng. Abstr.) **(Fre)**

[The effects of intermittent noises on man (author's transl)] Yamamura K, et al. **Nippon Eiseigaku Zasshi** 33(3):521–7, Aug 78 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

The effect of glucocorticoid antagonizing factor on hepatoma cells. Goodrum KJ, et al. **Proc Soc Exp Biol Med** 159(3):359–63, Dec 78

[Disruption of tyrosine aminotransferase induction by hydrocortisone in the livers of mice which had received o-aminoazotoluene] Kaledin VI, et al. **Dokl Akad Nauk SSSR** 244(1):233–7, Feb 79 **(Rus)**

BIOSYNTHESIS

ACTH stimulates late steps in cortisol biosynthesis. McKenna TJ, et al. **Acta Endocrinol (Copenh)** 90(1):122–32, Jan 79

Effects of polypeptide hormone preparations on steroid production by the human foetal adrenal gland during superfusion [proceedings] Brown TJ, et al. **J Endocrinol** 79(2):60P–61P, Nov 78

BLOOD

Effect of stress on the profile of plasma steroids in baboons (Papio hamadryas). Goncharov NP, et al. **Acta Endocrinol (Copenh)** 90(2):372–84, Feb 79

Changes in the plasma levels of androstenedione, dehydroepiandrosterone and cortisol after stimulation with ACTH and hCG and suppression with dexamethasone during male puberty. Herrera-Justiniano E, et al. **Acta Endocrinol (Copenh)** 90(1):113–21, Jan 79

Interaction by cholestyramine on the uptake of hydrocortisone in the gastrointestinal tract. Johansson C, et al. **Acta Med Scand** 204(6):509–12, 1978

Cardiovascular and endocrine profile of adrenergic neurone blockade in normal and hypertensive man. Flammer J, et al. **Am J Med** 66(1):34–42, Jan 79

Adrenergic mechanisms in recovery from hypoglycemia in man: adrenergic blockade. Clarke WL, et al. **Am J Physiol** 236(2):E147–52, Feb 79

Canine plasma cortisol (hydrocortisone) measured by radioimmunoassay: clinical absence of diurnal variation and results of ACTH stimulation and dexamethasone suppression tests. Johnston SD, et al. **Am J Vet Res** 39(11):1766–70, Nov 78

Similar responsiveness of diabetic ketoacidosis to low-dose insulin by intramuscular injection and albumin-free infusion. Sacks HS, et al. **Ann Intern Med** 90(1):36–42, Jan 79

Plasma norepinephrine response to standing in patients with pheochromocytoma or medullary carcinoma of the thyroid. Feldman JM, et al. **Arch Intern Med** 139(1):81–5, Jan 79

Adrenocortical suppression by synthetic corticosteroid drugs: a comparative study of prednisolone and betamethasone. Downie WW, et al. **Br J Clin Pharmacol** 6(5):397–9, Nov 78

Determination of serum cortisol and 11-deoxycortisol by liquid chromatography. Reardon GE, et al. **Clin Chem** 25(1):122–6, Jan 79

Radioimmunological determination of apparent free cortisol concentration: some physiological and clinical applications. Clerico A, et al. **Clin Chim Acta** 91(3):227–31, 1 Feb 79

EEG changes and serum cortisol levels in cushing's syndrome. Tucker RP, et al. **Clin Electroencephalogr** 9(1):32–7, Jan 78

Adrenal function testing. Dluhy RG. **Compr Ther** 4(12):53–9, Dec 78

The regulation of plasma ketone body concentration by counter-regulatory hormones in man. III. Effects of norepinephrine in normal man. Schade DS, et al. **Diabetes** 28(1):5–10, Jan 79

Evaluation of a competitive binding assay for cortisol using horse transcortin. Stahl F, et al. **Endokrinologie** 72(2):214–22, May 78

Induced varicoceles in rhesus monkeys. Kay R, et al. **Fertil Steril** 31(2):195–9, Feb 79

Maternal, cord and neonatal blood sugar, plasma insulin and cortisol levels in full term normal vaginal deliveries and neonatal hypoglycemia. Misra PK, et al. **Indian Pediatr** 15(9):715–8, Sep 78

Effect of topical corticosteroids on the pituitary adrenal system. Kansky A. **Int J Dermatol** 17(10):785–7, Dec 78

Radioimmunoassay (RIA) and other saturation assay techniques in clinical medicine. Hazra DK, et al. **J Assoc Physicians India** 26(2):95–101, Feb 78

Effect of corticotrophin on cortisol secretion in castrated rhesus monkeys. Farver CF, et al. **J Endocrinol** 79(2):247–8, Nov 78

Hypothalamic corticotrophin releasing factor activity in dogs

with pituitary-dependent hyperadrenocorticism. Meijer JC, et al. **J Endocrinol** 79(2):209–13, Nov 78

A simple method for determining the free cortisol index in plasma: measurements in human pregnancy. Nolten WE, et al. **J Lab Clin Med** 93(1):146–53, Jan 79

Inhibition of fetal lung maturation by indomethacin in pregnant rabbits. Bustos R, et al. **J Perinat Med** 6(5):240–5, 1978

Metyrapone test with adrenocorticotrophic levels. Separating primary from secondary adrenal insufficiency. Dolman LI, et al. **JAMA** 241(12):1251–3, 23 Mar 79

Psychoendocrinology. de la Fuente-JR, et al. **Mayo Clin Proc** 54(2):109–18, Feb 79 (95 ref.)

Metabolism of cortisol by human thrombocytes. Arie R, et al. **Metabolism** 28(1):67–9, Jan 79

Effects of pinealectomy of rams on secretory profiles of luteinizing hormone, testosterone, prolactin and cortisol. Barrell GK, et al. **Neuroendocrinology** 27(5–6):216–27, 1978

Peripheral and adrenal venous levels of steroids in a patient with virilizing adrenal adenoma. Granoff AB, et al. **Obstet Gynecol** 53(1):111–5, Jan 79

Umbilical cord and neonatal cortisol levels. Effect of gestational and neonatal factors. Kauppila A, et al. **Obstet Gynecol** 52(6):666–72, Dec 78

Peripheral and ovarian venous concentrations of various steroid hormones in virilizing ovarian tumors. Meldrum DR, et al. **Obstet Gynecol** 53(1):36–43, Jan 79

Hypercalcaemia in adolescent tetraplegic patients: case report and review. Steinberg FU, et al. **Paraplegia** 16(1):60–7, May 78

The effect of abdominal evisceration or adrenalectomy on insulin choleresis. Austin GA, et al. **Proc Soc Exp Biol Med** 160(1):50–4, Jan 79

Growth hormone and cortisol responses, tranquillizer usage, and their association with survival from myocardial infarction. Freebury DR, et al. **Psychosom Med** 40(6):462–77, Oct 78

Control of parturition in subhuman primates. Challis JR, et al. **Semin Perinatol** 2(3):247–60, Jul 78 (66 ref.)

Initiation of parturition in the human female. MacDonald PC, et al. **Semin Perinatol** 2(3):273–86, Jul 78

Thermoregulation in surfers and nonsurfers immersed in cold water. Rochelle RD, et al. **Undersea Biomed Res** 5(4):377–90, Dec 78

[Plasma cortisol in asthmatics treated with aerosol inhalations of dexametazon-21-isonicotinate (author's transl)] Ouředník A, et al. **Cas Lek Cesk** 117(44–45):1405–8, 1978 (Eng. Abstr.) **(Cze)**

[Adrenocortical function in obese children] Kiss P, et al. **Cesk Pediatr** 33(10):606–9, Oct 78 (Eng. Abstr.) **(Cze)**

[Plasma cortisol, insulin and glycemia levels in diabetic mothers and their newborn infants] Přibylová H, et al. **Cesk Pediatr** 33(10):601–2, Oct 78 (Eng. Abstr.) **(Cze)**

[Operative stress during electroacupuncture and enflurane anaesthesia assessed by serum cortisol (author's transl)] Stellpflug H, et al. **Prakt Anaesth** 13(6):483–8, Dec 78 (Eng. Abstr.) **(Ger)**

[Nuclear medical and radioimmunological examinations of the adrenal cortical function (author's transl)] Slavnov VN, et al. **Radiol Diagn (Berl)** 19(4):522–8, Aug 78 (Eng. Abstr.) **(Ger)**

[Cortisol plasma concentration in patients with primary adrenal cortex insufficiency during substitution therapy with cortisone acetate] Allolio B, et al. **Verh Dtsch Ges Inn Med** (84):1456–8, 1978 **(Ger)**

[Side effects of topical corticosteroid therapy. II. Systemic side effects] Nitzschner H. **Z Aerztl Fortbild (Jena)** 72(21):1021–4, 1 Nov 78 (169 ref.) **(Ger)**

[Hemodynamics and metabolic parameters during use of the antihypertensive agent diazoxide] Drobny H, et al. **Z Gesamte Inn Med** 33(23):856–61, 1 Dec 78 (Eng. Abstr.) **(Ger)**

[Effect of a strongyloides infection on the formation of gastrin and other hormones in swine] Enigk K, et al. **Zentralbl Veterinaermed [B]** 25(9):697–706, Nov 78 (Eng. Abstr.) **(Ger)**

[Effect of reserpine on blood cortisol response to insulin-induced hypoglycemia in the normal subject] Sellini M, et al. **Boll Soc Ital Biol Sper** 54(2):122–6, 30 Jan 78 **(Ita)**

[Behavior of plasma cortisol, ACTH and STH in subjects performing controlled work on the bicycle ergometer] Fratto D. **Minerva Med** 69(53):3665–72, 3 Nov 78 (Eng. Abstr.) **(Ita)**

[Clinical results of serum cortisol determination with 'Cortisol-Eiken'] Shimizu T, et al. **Horumon To Rinsho** 26(10):1051–3, Oct 78 **(Jpn)**

[Plasma levels of cortisol, aldosterone, growth hormone and insulin during halothane-N2O anesthesia and surgery in elderly patients (author's transl)] Taniguchi K, et al. **Masui** 28(1):11–6, Jan 79 (Eng. Abstr.) **(Jpn)**

[Indices of cortisol binding to plasma proteins in the course of surgical treatment of hyperthyroidism] Puchalski Z. **Pol Przegl Chir** 50(9):761–4, Sep 78 (Eng. Abstr.) **(Pol)**

[Effect of proteolytic enzymes on the level of cortisol- and dexamethasone-binding proteins in donor blood plasma] Golikov PP. **Probl Gematol Pereliv Krovi** 24(1):11–3, Jan 79 (Eng. Abstr.) **(Rus)**

METABOLISM

The specificity of the human uterine receptor. Fanchenko ND, et al. **Acta Endocrinol (Copenh)** 90(1):167–75, Jan 79

Interaction by cholestyramine on the uptake of hydrocortisone in the gastrointestinal tract. Johansson C, et al. **Acta Med Scand** 204(6):509–12, 1978

Sex hormone binding globulin and transcortin in human and baboon males. Karr JP, et al. **Arch Androl** 1(2):123–9, 1978

Binding of steroids to the cytoplasmic receptor of the embryonic chick retina: kinetics and structural considerations. Piperberg JB. **Arch Biochem Biophys** 191(1):367–74, Nov 78

Acupuncture in narcotic withdrawal: a preliminary report on biochemical changes in the blood and urine of heroin addicts. Wen HL, et al. **Bull Narc** 30(2):31–9, Apr–Jun 78

Enzymatic sulfation of steroids--VII. Hepatic cortisol sulfation and glucocorticoid sulfotransferases in old and young male rats. Singer SS, et al. **Exp Gerontol** 13(6):425–9, 1978

Metabolism of cortisol by the foetus and neonate. Taylor NF, et al. **J Endocrinol** 79(2):61P–62P, Nov 78

The metabolic clearance rate of cortisol in normal subjects and in various disease states. Scavo D, et al. **J Nucl Med Allied Sci** 22(3):113–23, Jul–Sep 78

Adrenal activity in anorexia nervosa. Walsh BT, et al. **Psychosom Med** 40(6):499–506, Oct 78

[Prednisolone determination in patients with adrenal cortex insufficiency] von Papen C, et al. **Verh Dtsch Ges Inn Med** (84):1453–5, 1978 **(Ger)**

[Status of the ACTH circadian rhythm and specific features of cortisol metabolism in surgical patients] Velikanova LI. **Sov Med** (12):100–4, Dec 78 (Eng. Abstr.) **(Rus)**

[Changes in the level and metabolism of a number of hormones (insulin, somatotropin, thyrotropin, thyroid hormones, ACTH and cortisol) in myocardial infarct in vitro and in vivo according to the radioisotope dilution tests] Leshchinskiĭ LA, et al. **Ter Arkh** 50(12):34–41, 1978 **(Rus)**

PHARMACODYNAMICS

The influence of corticosteroids on prostaglandin release from various organs. Grodzińska L, et al. **Acta Biol Med Ger** 37(5–6):891–3, 1976

Frequency-dependence of the metabolism of 3H-noradrenaline released from rabbit isolated aorta: effects of a combination of cocaine and corticosterone or hydrocortisone. Schrold J, et al. **Acta Pharmacol Toxicol (Copenh)** 44(1):13–21, Jan 79

Regulation by sex hormones of immunoglobulins in rat uterine and vaginal secretions. Wira CR, et al. **Adv Exp Med Biol** 107:531–9, 1978

Effects of chronic administration of delta8- and delta9-tetrahydro-cannabinol on hepatic tyrosine aminotransferase activity in mice. Wrenn JM, et al. **Arch Int Pharmacodyn Ther** 235(1):4–8, Sep 78

Glucocorticoid-dependent development of glycogen synthase phosphatase in foetal rat liver [proceedings] Vanstapel F, et al. **Arch Int Physiol Biochim** 86(4):966–7, Oct 78

Interrelationship between stimulation of prostaglandin E and hyaluronate production by poly (I) . poly (C) and interferon in synovial fibroblast culture. Yaron M, et al. **Arthritis Rheum** 21(6):694–8, Jul–Aug 78

Hydrocortisone inhibits DMSO - induced differentiation of Friend erythroleukemia cells. Santoro MG, et al. **Biochem Biophys Res Commun** 85(4):1510–7, 29 Dec 78

Epidermal growth factor stimulates prostaglandin production and bone resorption in cultured mouse calvaria. Tashjian AH Jr, et al. **Biochem Biophys Res Commun** 85(3):966–75, 14 Dec 78

Isoenzyme composition of hepatic phenylalanine hydroxylase in developing rats after treatment with cortisol, alpha-methylphenylalanine and p-chlorophenylalanine in vivo. Del Valle JA, et al. **Biochem Med** 20(2):247–55, Oct 78

Induction of mitochondrial phosphoenolpyruvate carboxykinase in cultured human fibroblasts. Arinze IJ, et al. **Biochim Biophys Acta** 521(2):792–804, 21 Dec 78

Precocious induction of pepsinogen in the stomach of suckling mice by hormones. Kumegawa M, et al. **Biochim Biophys Acta** 543(2):243–50, 3 Oct 78

Effects of prostaglandin E1 on the metabolism in rat parathyroid gland in vitro. Licata AA, et al. **Biochim Biophys Acta** 582(1):59–66, 4 Jan 79

Effects of betamethasone on phospholipid content, composition and biosynthesis in the fetal rabbit lung. Rooney SA, et al. **Biochim Biophys Acta** 572(1):64–76, 29 Jan 79

Glucocorticoid modulation of prolactin receptors on mammary cells of lactating mice. Sakai S, et al. **Biochim Biophys Acta** 582(1):79–88, 4 Jan 79

Pulmonary and circulatory function in preterm lambs treated with hydrocortisone in utero. Thibeault DW, et al. **Biol Neonate** 34(5–6):238–47, 1978

The effects of some hydrophobic gases on the pulmonary surfactant system. Daniels S, et al. **Br J Pharmacol** 65(2):229–35, Feb 79

Cytotoxic activity of interferon-treated macrophages studied by various inhibitors. Schultz RM, et al. **Cancer Treat Rep** 62(11):1889–92, Nov 78

Ribonucleic acid labelling perfused livers of protein-fed and protein-deprived rats. Christensson PI, et al. **Cytobios** 20(79–80):199–217, 1977

The interaction of hydrocortisone, interferon and the Epstein--Barr virus in lymphoid cells. Leyritz M, et al. **Eur J Cancer** 14(12):1377–81, Dec 78

The effects of leucocytic and serum factors on fibrinogen biosynthesis in cultured hepatocytes. Rupp RG, et al. **Exp Cell Res** 118(1):23–30, Jan 79

The effect of cortisol on the metabolic actions of insulin in the echidna, Tachyglossus aculeatus (Shaw). Sernia C, et al. **Gen Comp Endocrinol** 36(1):1–6, Sep 78

Do natural killer cells engage in regulated reactions against self to ensure homeostasis? Cudkowicz G, et al. **Immunol Rev** 44:13–41, 1979 (104 ref.)

Quantitative characterization of domes in primary mouse mammary epithelial tumor cell cultures. Young LJ, et al. **In Vitro** 14(11):895–902, Nov 78

Induction of aspartate transcarbamylase of the spleen of rats of various ages by hydrocortisone. Patnaik SK. **J Biochem (Tokyo)** 84(5):1315–7, Nov 78

Antibiotics in acrylic bone cement. In vivo studies. Welch AB. **J Biomed Mater Res** 12(6):843–55, Nov 78

Plasminogen activator synthesis by cultured human embryonic lung cells: characterization of the suppressive effect of corticosteroids. Rifkin DB. **J Cell Physiol** 97(3 Pt 2 Suppl 1):421–8, Dec 78

Synergistic interactions of physiologic increments of glucagon, epinephrine, and cortisol in the dog: a model for stress-induced hyperglycemia. Eigler N, et al. **J Clin Invest** 63(1):114–23, Jan 79

Synthesis of specific lipids associated with the hormone-induced resistance of tumor cells to humoral immune killing. Schlager SI, et al. **J Immunol** 122(1):108–14, Jan 79

Effect of methylprednisolone and polymyxin B sulfate on endotoxin-induced inhibition of human neutrophil chemotaxis. Issekutz AC, et al. **J Lab Clin Med** 92(6):873–82, Dec 78

Activation of brain tryptophan hydroxylase by a phosphorylating system. Lysz TW, et al. **J Neurosci Res** 3(5–6):411–8, 1978

Interaction between alpha adrenergic and serotonergic activation of canine saphenous veins. Curro FA, et al. **J Pharmacol Exp Ther** 207(3):936–49, Dec 78

Depilatory effects of certain chemicals during the first hair growth cycle in sucking mice. Panaretto BA, et al. **Lab Anim** 12(4):185–92, Oct 78

Hormonal regulation of cAMP-independent protein phosphokinase activities: thyroxine and cortisol control of enzymes from rat liver cytosol. Pavlovic-Hournac M, et al. **Mol Cell Endocrinol** 12(3):255–65, Dec 78

The influence of the nervous system upon adrenal gland weight and assayable pituitary MSH. Francis MG, et al. **Neuroendocrinology** 27(5–6):228–38, 1978

Cortisol effects on protein utilization in growing rats [proceedings] Moreiras-Varela O, et al. **Proc Nutr Soc** 37(3):90A, Dec 78

Longterm effects of neonatal treatment with cortisol and/or estrogen in the female BALB/c mouse. Ways SC, et al. **Proc Soc Exp Biol Med** 160(1):94–8, Jan 79

Destruction of sensitized erythrocytes by human monocytes in vitro: effects of cytochalasin B, hydrocortisone and colchicine. Fleer A, et al. **Scand J Immunol** 8(6):515–24, 1978

Glucocorticoid inhibition of FSH-induced estrogen production in cultured rat granulosa cells. Hsueh AJ, et al. **Steroids** 32(5):639–48, Dec 78

Intrathymic and extrathymic T cell maturation. Stutman O. **Transplant Rev** 42:138–84, 1978 (164 ref.)

[Pulse cytophotometrical investigations about the resistance of DNA against acid hydrolysis influenced by ageing and cortisol (author's transl)] Krug H, et al. **Acta Histochem (Jena)** 63(1):105–13, 1978 (Eng. Abstr.) **(Ger)**

[The influence of pregnancy specific serum factors on the mitogen induced culture of lymphocytes (author's transl)] Kreienberg R, et al. **Geburtshilfe Frauenheilkd** 39(2):121–9, Feb 79 (Eng. Abstr.) **(Ger)**

[Effect of a single dose of various antirheumatic drugs on blood gastrin levels and on the acid secretion of the stomach] Curtarelli G, et al. **Minerva Dietol Gastroenterol** 24(2):101–6, Apr–Jun 78 (Eng. Abstr.) **(Ita)**

[Adrenocortical control of epidermal cell differentiation demonstrated by combined morphological and biochemical studies of the in ovo and in vitro development of chick embryonic shank skin (author's transl)] Endo H, et al. **Tanpakushitsu Kakusan Koso** 23(13):1290–302, 1978 (24 ref.) **(Jpn)**

[Effect of hydrocortisone on differentiation of white rat embryonal submandibular gland epithelium in organ culture] Krichevskaia IE. **Arkh Anat Gistol Embriol** 75(12):54–8, Dec 78 (Eng. Abstr.) **(Rus)**

[Effects of cortisol on lipid and lipoprotein synthesis in rat hepatocytes] Titov VN, et al. **Biokhimiia** 43(11):2002–10, Nov 78 (Eng. Abstr.) **(Rus)**

[Hematopoietic organs in mice following a single administration of hydrocortisone] Shvets VN, et al. **Biull Eksp Biol Med** 87(1):12–6, Jan 79 (Eng. Abstr.) **(Rus)**

[Glucocorticoid hormones and the regulation of energy metabolism in the brain] Vol'skiĭ GG. **Nerv Sist** 18:39–53, 1978 (66 ref.) **(Rus)**

PHYSIOLOGY

Influence of androgens on beta-glucuronidase activity in liver, kidney and submandibular salivary gland of the mouse. Hosoi K, et al. **Arch Oral Biol** 23(10):905–9, 1978

Post-transcriptional stimulation of casein synthesis by thyroid hormone. Houdebine LM, et al. **Biochimie** 60(8):809–12, 1978

Role of spermidine in casein gene expression in the rabbit. Houdebine LM, et al. **Biochimie** 60(8):735–41, 1978

SECRETION

Effect of corticotrophin on cortisol secretion in castrated rhesus monkeys. Farver CF, et al. **J Endocrinol** 79(2):247–8, Nov 78

[Effect of long-term hemodialysis on renin activity, aldosterone, cortisol, serum potassium, serum sodium and blood pressure] Vetter W, et al. **Verh Dtsch Ges Inn Med** (84):832–4, 1978 **(Ger)**

[Daily variations in the secretion of several hormones in obesity] Epshtein EV. **Probl Endokrinol (Mosk)** 25(1):15–9, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Iodochlorhydroxyquin-hydrocortisone treatment of fungal infections. Double-blind trial. Maibach HI. **Arch Dermatol** 114(12):1773–5, Dec 78

Clinical experiences with a new steroid-antibacterial preparation in the treatment of infected eczema. (A pilot study in twenty-eight patients). Blair C, et al. **Br J Clin Pract** 32(10):289–90, Oct 78

Effective treatment of inadvertent intramuscular administration of vincristine [letter] Choy DS. **JAMA** 241(7):695, 16 Feb 79

Atopic dermatitis: clinical and immunologic aspects and treatment. Kaplan RJ, et al. **Postgrad Med** 64(6):52–6, Dec 78

A model of experimental endotoxin shock in monkeys and its therapeutic control. Hájek M, et al. **Z Exp Chir** 11(5):317–21, 1978

The effects of hydrocortisone and dopamine on circulatory alterations in experimental acute endotoxin shock in dogs. Vyhnánek F, et al. **Z Exp Chir** 11(5):322–7, 1978

[The cortisol and testosterone substitution in patients with adrenal insufficiency and hypogonadism] Nickelsen T, et al. **Verh Dtsch Ges Inn Med** (84):1448–53, 1978 **(Ger)**

[Prednisolone determination in patients with adrenal cortex insufficiency] von Papen C, et al. **Verh Dtsch Ges Inn Med** (84):1453–5, 1978 **(Ger)**

[Sclerous and atrophic lichen of the penis in prepubertal boys] Jänner M, et al. **Z Hautkr** 53(24):923–8, 15 Dec 78 **(Ger)**

[Controlled clinical evaluation of a new anti-hemorrhoid drug, using a completely randomized experimental plan] Nini G, et al. **Clin Ter** 86(6):545–59, 30 Sep 78 (Eng. Abstr.) **(Ita)**

[New therapeutic trends in Mendelson's syndrome.

Description of a clinical case] Azzollini CV, et al. **Minerva Anestesiol** 44(5):339–47, May 78 (Eng. Abstr.) **(Ita)**

[Complications in local use of corticosteroid hormones] Redin VA. **Ortop Travmatol Protez** (11):47–51, Nov 78 (Eng. Abstr.) **(Rus)**

[Effect of hyperoxia combined with hydrocortisone administration on respiration of rat brain mitochondria] Podvigina TT, et al. **Vopr Med Khim** 24(6):762–5, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

URINE

The measurement of change in endogenous affective disorders. von Zerssen D, et al. **Arch Psychiatr Nervenkr** 226(2):95–112, 14 Nov 78

The effect of oestradiol valerate therapy on coagulation factors and lipid and oestrogen levels in oöphorectomised women. Saunders DM, et al. **Aust NZ J Obstet Gynaecol** 18(3):198–201, Aug 78

Adrenal function testing. Dluhy RG. **Compr Ther** 4(12):53–9, Dec 78

Evaluation of a competitive binding assay for cortisol using horse transcortin. Stahl F, et al. **Endokrinologie** 72(2):214–22, May 78

Evaluation of stress and its effects on the immune system of hand-reared mule deer fawns (Odocoileus hemionus). Trindle BD, et al. **J Wildl Dis** 14(4):523–37, Oct 78

Simple test for nocturnal hypoglycaemia in diabetic patients. Moore RA, et al. **Lancet** 1(8113):409–10, 24 Feb 79

Treatment of Cushing's disease by O,p'DDD. Survey of 62 cases. Luton JP, et al. **N Engl J Med** 300(9):459–64, 1 Mar 79

HYDROCORTISONE, TOPICAL

ADMINISTRATION & DOSAGE

Atopic eczema and allergy in early childhood. Hill D, et al. **Med J Aust** 2(6 Suppl):7–8, 2 Dec 78

[Local hydrocortisone treatment of ganglia and hygromas in children] Besser IuV, et al. **Khirurgiia (Mosk)** (12):105–6, Dec 78 **(Rus)**

ADVERSE EFFECTS

Photocontact dermatitis to hydrocortisone. Rietschel RL. **Contact Dermatitis** 4(6):334–7, Dec 78

PHARMACODYNAMICS

Comparative study of the vasoconstrictor activity of halopredone acetate in a modified McKenzie test. Rampini E, et al. **Eur J Clin Pharmacol** 14(5):325–9, 18 Dec 78

THERAPEUTIC USE

Clinical experiences with a new steroid–antibacterial preparation in the treatment of infected eczema. (A pilot study in twenty-eight patients). Blair C, et al. **Br J Clin Pract** 32(10):289–90, Oct 78

Comparison of Tretinoin and a composite formulation in the treatment of acne. Brookes DB, et al. **Br J Clin Pract** 32(12):349–52, Dec 78

Daktacort in inflammatory skin disease. McVie DH, et al. **Br J Clin Pract** 32(12):353–7, Dec 78

11-HYDROXYCORTICOSTEROIDS

BLOOD

Influence of epiphysectomy on the circadian rhythm of the glucocorticoid, androgenic, estrogenic, and gestagenic function of the endocrine glands. Golikov PP, et al. **Neurosci Behav Physiol** 8(4):281–4, Oct–Dec 77

Free plasma 11-hydroxycorticosteroids and the response to beta1–24–corticotrophin in regular haemodialysis patients. Thysell H, et al. **Scand J Urol Nephrol** 13(1):95–9, 1979

[Steroid–examinations in serum of old men as a functional testing of the suprarenal glands (author's transl)] Freund E, et al. **ZFA (Dresden)** 33(3):273–7, 1978 (Eng. Abstr.) **(Ger)**

[Dynamics of the adrenal cortex activity and tyrosine content of blood in influenza] Rass IT, et al. **Ter Arkh** 50(12):107–9, 1978 (Eng. Abstr.) **(Rus)**

[Effect of hyperoxia combined with hydrocortisone administration on respiration of rat brain mitochondria] Podvigina TT, et al. **Vopr Med Khim** 24(6):762–5, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

METABOLISM

Effect of zinc deficiency and zinc supplementation on adrenals, plasma steroids and thymus in rats. Quarterman J, et al. **Life Sci** 24(2):177–83, 8 Jan 79

RADIATION EFFECTS

[Change in the 11-hydroxycorticosteroid level and 11 beta-hydroxysteroid dehydrogenase activity in rats under gamma neutron irradiation] Litskevich LA, et al. **Radiobiologiia** 18(6):887–90, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

17-HYDROXYCORTICOSTEROIDS

BIOSYNTHESIS

Peripheral and ovarian venous concentrations of various steroid hormones in virilizing ovarian tumors. Meldrum DR, et al. **Obstet Gynecol** 53(1):36–43, Jan 79

BLOOD

Determination of serum cortisol and 11-deoxycortisol by liquid chromatography. Reardon GE, et al. **Clin Chem** 25(1):122–6, Jan 79

Peripheral and adrenal venous levels of steroids in a patient with virilizing adrenal adenoma. Granoff AB, et al. **Obstet Gynecol** 53(1):111–5, Jan 79

Peripheral and ovarian venous concentrations of various steroid hormones in virilizing ovarian tumors. Meldrum DR, et al. **Obstet Gynecol** 53(1):36–43, Jan 79

[Changes in hemodynamic and endocrine–metabolic parameters in the early post–resuscitation period] Volkov AV, et al. **Biull Eksp Biol Med** 87(1):3–6, Jan 79 (Eng. Abstr.) **(Rus)**

METABOLISM

Effects of exogenous acetylcholine upon adrenal 17-hydroxycorticosteroid secretion of intact and head X-irradiated dogs. Yamashita K, et al. **Neuroendocrinology** 27(1–2):39–45, 1978

URINE

Adolescent suicide: epidemiological and biological aspects. Petzel SV, et al. **Adolesc Psychiatry** 6:239–66, 1978

Adrenal function testing. Dluhy RG. **Compr Ther** 4(12):53–9, Dec 78

Endocrine status in normal British, Japanese and Hawaiian–Japanese women. Hayward JL, et al. **Eur J Cancer** 14(11):1221–8, Nov 78

Is the rhythm amplitude related to the ability to phase-shift circadian rhythms of shift-workers? Reinberg A, et al. **J Physiol (Paris)** 74(4):405–9, 1978

Treatment of Cushing's disease by O,p'DDD. Survey of 62 cases. Luton JP, et al. **N Engl J Med** 300(9):459–64, 1 Mar 79

[Urinary excretion of adrenaline, noradrenaline and 17-hydroxycorticosteroids. Differences during 120 hours of fasting and sleep deprivation] Veselková A, et al. **Cas Lek Cesk** 111(50):1550–3, 15 Dec 78 (Eng. Abstr.) **(Cze)**

[A study in twins of the urinary excretion of vanilmandelic acid, 17-keto-steroids, 17-hydroxycorticosteroids, and creatinine] Darlu P, et al. **Arch Int Physiol Biochim** 86(4):787–97, Oct 78 (Eng. Abstr.) **(Fre)**

[Hormonal status and the clinical course of ovarian cancer] Livshits MA, et al. **Akush Ginekol (Mosk)** (12):29–31, Dec 78 (Eng. Abstr.) **(Rus)**

[Adrenocortical function during discontinuous administration of triamcinolone] De Spada EF, et al. **Medicina (B Aires)** 38(5):502–6, Sep–Oct 78 (Eng. Abstr.) **(Spa)**

*

18-HYDROXYCORTICOSTERONE

IMMUNOLOGY

Aldosterone diagnosis in hypertension: comparative

*11-HYDROXYCORTICOSTEROIDS, SYNTHETIC See page 100

evaluation of radioimmunoassays for urinary aldosterone and 18-OH-corticosterone. Connolly TM, et al. **Klin Wochenschr** 56 Suppl 1:173-81, 1978

URINE

Aldosterone diagnosis in hypertension: comparative evaluation of radioimmunoassays for urinary aldosterone and 18-OH-corticosterone. Connolly TM, et al. **Klin Wochenschr** 56 Suppl 1:173-81, 1978

The effect of chronic ACTH treatment on blood pressure and urinary excretion of steroids in the rat. Haack D, et al. **Klin Wochenschr** 56 Suppl 1:183-6, 1978

18-HYDROXYDESOXYCORTICOSTE

IMMUNOLOGY

Aldosterone diagnosis in hypertension: comparative evaluation of radioimmunoassays for urinary aldosterone and 18-OH-corticosterone. Connolly TM, et al. **Klin Wochenschr** 56 Suppl 1:173-81, 1978

SECRETION

Studies on the distribution of steroid between medium and tissue after incubation of rat adrenal glands in vitro [proceedings] Sibley CP, et al. **J Endocrinol** 79(2):63P-64P, Nov 78

URINE

Aldosterone diagnosis in hypertension: comparative evaluation of radioimmunoassays for urinary aldosterone and 18-OH-corticosterone. Connolly TM, et al. **Klin Wochenschr** 56 Suppl 1:173-81, 1978

The effect of chronic ACTH treatment on blood pressure and urinary excretion of steroids in the rat. Haack D, et al. **Klin Wochenschr** 56 Suppl 1:183-6, 1978

HYDROXYPREGNENOLONE

BLOOD

Effect of stress on the profile of plasma steroids in baboons (Papio hamadryas). Goncharov NP, et al. **Acta Endocrinol (Copenh)** 90(2):372-84, Feb 79

Peripheral and adrenal venous levels of steroids in a patient with virilizing adrenal adenoma. Granoff AB, et al. **Obstet Gynecol** 53(1):111-5, Jan 79

Peripheral and ovarian venous concentrations of various steroid hormones in virilizing ovarian tumors. Meldrum DR, et al. **Obstet Gynecol** 53(1):36-43, Jan 79

METABOLISM

ACTH stimulates late steps in cortisol biosynthesis. McKenna TJ, et al. **Acta Endocrinol (Copenh)** 90(1):122-32, Jan 79

17-KETOSTEROIDS

METABOLISM

Adrenal cortical tumors in children. Zaitoon MM, et al. **Urology** 12(6):645-9, Dec 78

PHARMACODYNAMICS

Control of obesity in Avy/a mice by 5alpha-androstan-17-one. Yen TT, et al. **Experientia** 34(12):1542-3, 15 Dec 78

URINE

Hyperthecosis syndrome. Clinical, endocrinologic and histologic findings. Karam K, et al. **Acta Obstet Gynecol Scand** 58(1):73-9, 1979

17-Hydroxyprogesterone in normal children and congenital adrenal hyperplasia. Measurement in serum by radioimmunoassay after thin-layer chromatography. Petersen KE, et al. **Acta Paediatr Scand** 68(2):205-11, Mar 79

A reliable method for evaluating drug compliance in children with cancer. Smith SD, et al. **Cancer** 43(1):169-73, Jan 79

*PARAMETHASONE See page 100

Adrenal function testing. Dluhy RG. **Compr Ther** 4(12):53-9, Dec 78

[Significance of urinary 17 ketosteroid spectrum determination in children and juveniles] Straková M, et al. **Cesk Pediatr** 33(10):610-2, Oct 78 (Eng. Abstr.) **(Cze)**

[Bamifylline. Conditions of its interference in the estimation of urinary 17-oxosteroids. Method of estimation using Zimmermann's reaction (author's transl)] Thévenet M, et al. **Ann Biol Clin (Paris)** 36(4):369-74, 1978 (Eng. Abstr.) **(Fre)**

[A study in twins of the urinary excretion of vanilmandelic acid, 17-keto-steroids, 17-hydroxycorticosteroids, and creatinine] Darlu P, et al. **Arch Int Physiol Biochim** 86(4):787-97, Oct 78 (Eng. Abstr.) **(Fre)**

[Prolactin in the sterile male] Hermabessiére J, et al. **J Urol Nephrol (Paris)** 83 Suppl 2:577-83, 1977 **(Fre)**

[The heterogeneity of micropolycystic ovary syndrome. 77 cases (author's transl)] Bremond A, et al. **Nouv Presse Med** 7(41):3733-6, 25 Nov 78 (Eng. Abstr.) **(Fre)**

[Structure and function of steroid active cells in the postmenopausal ovary (electron microscopic and histochemical studies)] Mestwerdt W, et al. **Acta Histochem [Suppl] (Jena)** 14:255-70, 1975 **(Ger)**

[Hormonal status and the clinical course of ovarian cancer] Livshits MA, et al. **Akush Ginekol (Mosk)** (12):29-31, Dec 78 (Eng. Abstr.) **(Rus)**

METHYLPREDNISOLONE

PHARMACODYNAMICS

Effect of methylprednisolone and polymyxin B sulfate on endotoxin-induced inhibition of human neutrophil chemotaxis. Issekutz AC, et al. **J Lab Clin Med** 92(6):873-82, Dec 78

Glucocorticoid and antibiotic effects on hepatic microcirculation and associated host responses in lethal gram-negative bacteremia. Balis JU, et al. **Lab Invest** 40(1):55-65, Jan 79

THERAPEUTIC USE

Glucocorticoid and antibiotic effects on hepatic microcirculation and associated host responses in lethal gram-negative bacteremia. Balis JU, et al. **Lab Invest** 40(1):55-65, Jan 79

MINERALOCORTICOIDS

METABOLISM

The renin-angiotensin-aldosterone system. Past, present and future. Vecsei P, et al. **Klin Wochenschr** 56 Suppl 1:5-21, 1978 (231 ref.)

PHARMACODYNAMICS

The renal kallikrein-kinin system in human and in experimental hypertension. Carretero OA, et al. **Klin Wochenschr** 56 Suppl 1:113-25, 1978 (101 ref.)

*

PREDNISOLONE

ADVERSE EFFECTS

Adrenocortical suppression by synthetic corticosteroid drugs: a comparative study of prednisolone and betamethasone. Downie WW, et al. **Br J Clin Pharmacol** 6(5):397-9, Nov 78

METABOLISM

[Prednisolone determination in patients with adrenal cortex insufficiency] von Papen C, et al. **Verh Dtsch Ges Inn Med** (84):1453-5, 1978 **(Ger)**

PHARMACODYNAMICS

Synthesis of specific lipids associated with the hormone-induced resistance of tumor cells to humoral immune killing. Schlager SI, et al. **J Immunol** 122(1):108-14, Jan 79

Influence of corticosteroids on lymphocyte recirculation.

Lundin PM, et al. **Lymphology** 11(4):216–21, Dec 78

THERAPEUTIC USE

[Effect of prednisolone on experimental etiocholanolone fever and its therapeutic use in leukapheresis] Groth W, et al. **Verh Dtsch Ges Inn Med** (84):134–8, 1978 **(Ger)**

[Prednisolone determination in patients with adrenal cortex insufficiency] von Papen C, et al. **Verh Dtsch Ges Inn Med** (84):1453–5, 1978 **(Ger)**

[Problems of juvenile poisoning (Ingestion accidents)] Rechlin R, et al. **Z Aerztl Fortbild (Jena)** 72(20):960–6, 15 Oct 78 (50 ref.) **(Ger)**

PREDNISOLONE, TOPICAL

ANALYSIS

A bioavailability comparison in rabbits of two steroids formulated as high-viscosity gels and reference aqueous preparations. Schoenwald RD, et al. **Invest Ophthalmol Vis Sci** 18(1):61–6, Jan 79

METABOLISM

A bioavailability comparison in rabbits of two steroids formulated as high-viscosity gels and reference aqueous preparations. Schoenwald RD, et al. **Invest Ophthalmol Vis Sci** 18(1):61–6, Jan 79

PREDNISONE

ADMINISTRATION & DOSAGE

Growth and glucocorticoids in children with kidney disease. Travis LB, et al. **Kidney Int** 14(4):365–8, Oct 78 (25 ref.)

ADVERSE EFFECTS

A reliable method for evaluating drug compliance in children with cancer. Smith SD, et al. **Cancer** 43(1):169–73, Jan 79

Growth and glucocorticoids in children with kidney disease. Travis LB, et al. **Kidney Int** 14(4):365–8, Oct 78 (25 ref.)

THERAPEUTIC USE

A reliable method for evaluating drug compliance in children with cancer. Smith SD, et al. **Cancer** 43(1):169–73, Jan 79

Growth and glucocorticoids in children with kidney disease. Travis LB, et al. **Kidney Int** 14(4):365–8, Oct 78 (25 ref.)

PREGNANETRIOL

URINE

17-Hydroxyprogesterone in normal children and congenital adrenal hyperplasia. Measurement in serum by radioimmunoassay after thin-layer chromatography. Petersen KE, et al. **Acta Paedintr Scand** 68(2):205–11, Mar 79

TETRAHYDROCORTISOL

IMMUNOLOGY

Compounds in the urinary pH 1 extract reacting with corticosteroid and tetrahydrocorticosteroid antisera. Separation of a nonpolar substance with affinity to a tetrahydroaldosterone antiserum. Lichtwald K, et al. **Klin Wochenschr** 56 Suppl 1:169–72, 1978

URINE

Steroid excretion in anorexia nervosa patients. Vanluchene E, et al. **Acta Endocrinol (Copenh)** 90(1):133–8, Jan 79

[Steroid metabolism in primates. XX. Excretion of C21-steroids in urine of women and baboons (Papio hamadryas) during pregnancy] Gontscharow NP, et al. **Endokrinologie** 72(2):136–40, May 78 (Eng. Abstr.) **(Ger)**

TETRAHYDROCORTISONE

ANALOGS & DERIVATIVES

[Steroid metabolism in primates. XX. Excretion of C21-steroids in urine of women and baboons (Papio hamadryas) during pregnancy] Gontscharow NP, et al. **Endokrinologie** 72(2):136–40, May 78 (Eng. Abstr.) **(Ger)**

URINE

Steroid excretion in anorexia nervosa patients. Vanluchene E, et al. **Acta Endocrinol (Copenh)** 90(1):133–8, Jan 79

[Steroid metabolism in primates. XX. Excretion of C21-steroids in urine of women and baboons (Papio hamadryas) during pregnancy] Gontscharow NP, et al. **Endokrinologie** 72(2):136–40, May 78 (Eng. Abstr.) **(Ger)**

TRIAMCINOLONE

ADMINISTRATION & DOSAGE

[Adrenocortical function during discontinuous administration of triamcinolone] De Spada EF, et al. **Medicina (B Aires)** 38(5):502–6, Sep–Oct 78 (Eng. Abstr.) **(Spa)**

ANALOGS & DERIVATIVES

A selective decrease of collagen peptide synthesis by dermal polysomes isolated from glucocorticoid-treated newborn rats. McNelis B, et al. **Mol Pharmacol** 14(6):1167–75, Nov 78

PHARMACODYNAMICS

A selective decrease of collagen peptide synthesis by dermal polysomes isolated from glucocorticoid-treated newborn rats. McNelis B, et al. **Mol Pharmacol** 14(6):1167–75, Nov 78

[Adrenocortical function during discontinuous administration of triamcinolone] De Spada EF, et al. **Medicina (B Aires)** 38(5):502–6, Sep–Oct 78 (Eng. Abstr.) **(Spa)**

TRIAMCINOLONE ACETONIDE

ANTAGONISTS & INHIBITORS

Topical betamethasone 17-valerate is an anticorticosteroid in the rat. 2. Anti-inflammatory and anti-lymphocyte activities. Young JM, et al. **Br J Dermatol** 99(6):665–73, Dec 78

Topical betamethasone 17-valerate is an anticorticosteroid in the rat. 1. Dermal atrophy. Young JM, et al. **Br J Dermatol** 99(6):655–63, Dec 78

THERAPEUTIC USE

The combined use of cryosurgery and intralesional injections of suspensions of fluorinated adrenocorticosteroids for reducing keloids and hypertrophic scars. Ceilley RI, et al. **J Dermatol Surg Oncol** 5(1):54–6, Jan 79

CLOBETASOL

Fatal iatrogenic Cushing's syndrome :letter: Nathan AW, et al. Lancet I(8109):207, 27 Jan 79

FLUOCORTOLONE

(Time of persistence of fluocortolone hexanoate in the knee-joint after intra-articular injection) Mutzel W, et al. Dtsch Med Wochenschr 104(8):293–5, 23 Feb 79 (Ger)

(Advances in topical therapy of skin diseases) Happle R. MMW 121(4):141–4, 26 Jan 79 (Ger)

IV. Related Topics

AMINOGLUTETHIMIDE

ADMINISTRATION & DOSAGE

Breast carcinoma associated with Klinefelter syndrome: a case report. Brown PW, et al. **J Surg Oncol** 10(5):413–5, 1978

ADVERSE EFFECTS

Experience with 6-aminoglutethimide in the treatment of metastatic breast cancer. Koelmeyer TD, et al. **Clin Oncol** 4(4):323–7, Dec 78

METABOLISM

ACTH stimulates late steps in cortisol biosynthesis. McKenna TJ, et al. **Acta Endocrinol (Copenh)** 90(1):122–32, Jan 79

PHARMACODYNAMICS

On the role of protein synthesis in the response of adrenal tumor cells to ACTH. Nakamura M, et al. **Mol Cell Endocrinol** 12(2):209–19, Nov 78

THERAPEUTIC USE

Experience with 6-aminoglutethimide in the treatment of metastatic breast cancer. Koelmeyer TD, et al. **Clin Oncol** 4(4):323–7, Dec 78

Mechanism of action of aminoglutethimide in breast cancer [letter] Santen RJ, et al. **Lancet** 1(8106):44–5, 6 Jan 79

DDD

ADMINISTRATION & DOSAGE

Treatment of Cushing's disease by O,p'DDD. Survey of 62 cases. Luton JP, et al. **N Engl J Med** 300(9):459–64, 1 Mar 79

ADVERSE EFFECTS

Treatment of Cushing's disease by O,p'DDD. Survey of 62 cases. Luton JP, et al. **N Engl J Med** 300(9):459–64, 1 Mar 79

THERAPEUTIC USE

Treatment of Cushing's disease by O,p'DDD. Survey of 62 cases. Luton JP, et al. **N Engl J Med** 300(9):459–64, 1 Mar 79

METYRAPONE

DIAGNOSTIC USE

Steroid excretion in anorexia nervosa patients. Vanluchene E, et al. **Acta Endocrinol (Copenh)** 90(1):133–8, Jan 79

Determination of serum cortisol and 11-deoxycortisol by liquid chromatography. Reardon GE, et al. **Clin Chem** 25(1):122–6, Jan 79

Adrenal function testing. Dluhy RG. **Compr Ther** 4(12):53–9, Dec 78

Metyrapone test with adrenocorticotrophic levels. Separating primary from secondary adrenal insufficiency. Dolman LI, et al. **JAMA** 241(12):1251–3, 23 Mar 79

[Study of the hypothalamo-pituitary adrenal function in 16 patients after surgery for pituitary tumor (author's transl)] Laurent MF, et al. **Ann Endocrinol (Paris)** 39(4):267–79, Jul–Aug 78 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Liver microsomal epoxide hydrase: activation, inhibition, and immunological properties of the purified enzyme. Levin W, et al. **Mol Pharmacol** 14(6):1107–20, Nov 78

PITUITARY-ADRENAL SYSTEM

DRUG EFFECTS

Pituitary adrenocortical response to stress during the first day of post-natal life in the rat. Corbier P, et al. **Biol Neonate** 34(3–4):105–11, 1978

Effect of topical corticosteroids on the pituitary adrenal system. Kansky A. **Int J Dermatol** 17(10):785–7, Dec 78

The physiological action of progesterone and the pharmacological effects of progestogens--a short review. Neumann F. **Postgrad Med J** 54(2):11–24, 1978 (28 ref.)

Effects of cannabinoids on reproduction and development. Bloch E, et al. **Vitam Horm** 36:203–58, 1978 (236 ref.)

[Histofunctional aspects of the rat adrenals following administration of ethinyl estradiol (histological study)] Breda M, et al. **Boll Soc Ital Biol Sper** 54(1):105–10, 15 Jan 78 **(Ita)**

EMBRYOLOGY

The development of fetal hypothalamic-pituitary gonadal adrenal function. Jenkin G, et al. **Contrib Gynecol Obstet** 5:58–90, 1979 (158 ref.)

GROWTH & DEVELOPMENT

Corticotropin responsiveness in the neonatal rat. Guillet R, et al. **Neuroendocrinology** 27(3–4):119–25, 1978

METABOLISM

The effect of recaging into groups or into isolation on the pituitary adrenal response to immobilization of different age groups of C57BL/6J mice. Redgate ES, et al. **Life Sci** 23(25):2467–74, 18 Dec 78

Sensitive pituitary-adrenal responsiveness to varying intensities of psychological stimulation. Hennessy MB, et al. **Physiol Behav** 21(3):295–7, Sep 78

PHYSIOLOGY

Pituitary adrenocortical response to stress during the first day of post-natal life in the rat. Corbier P, et al. **Biol Neonate** 34(3–4):105–11, 1978

The development of fetal hypothalamic-pituitary gonadal adrenal function. Jenkin G, et al. **Contrib Gynecol Obstet** 5:58–90, 1979 (158 ref.)

Adolescent secondary amenorrhea: association with hypothalamic hypothyroidism. Kramer MS, et al. **J Pediatr** 94(2):300–3, Feb 79

Pituitary-adrenal axis and oral morphine consumption in rats. Van Ree JM, et al. **Pharmacol Biochem Behav** 9(4):493–8, Oct 78

[Effect of increased pressure on the state of the hypophyseal-adrenal and gonadal systems (experimental data)] Kirillov VF, et al. **Gig Tr Prof Zabol** (1):39–41, 1979 **(Rus)**

[Somatotropin hormone levels and growth changes in patients with ataxia-telangectasia] Rubio Pérez P, et al. **Rev Clin Esp** 151(3):207–9, 15 Nov 78 (Eng. Abstr.)**(Spa)**

PHYSIOPATHOLOGY

Hypothalmic-pituitary-adrenal function of untreated longterm survivors following subtotal adrenalectomy for Cushing's disease. Kennedy AL, et al. **Ir J Med Sci** 147(12):420–4, Dec 78

Radioimmunoassay (RIA) and other saturation assay techniques in clinical medicine. Hazra DK, et al. **J Assoc Physicians India** 26(2):95–101, Feb 78

Psychoendocrinology. de la Fuente JR, et al. **Mayo Clin Proc** 54(2):109–18, Feb 79 (95 ref.)

Effects of age of blinding on rhythmic pituitary-adrenal function in female rats. Swan C, et al. **Neuroendocrinology** 27(3–4):175–85, 1978

Free plasma 11-hydroxycorticosteroids and the response to beta1-24-corticotrophin in regular haemodialysis patients. Thysell H, et al. **Scand J Urol Nephrol** 13(1):95–9, 1979

[Study of the hypothalamo-pituitary adrenal function in 16

patients after surgery for pituitary tumor (author's transl)] Laurent MF, et al. **Ann Endocrinol (Paris)** 39(4):267–79, Jul–Aug 78 (Eng. Abstr.) **(Fre)**

[Results of ACTH, vasopressin and insulin tolerance tests in obese subjects] Eisner M, et al. **Ann Acad Med Stetin** 24:413–23, 1978 (Eng. Abstr.) **(Pol)**

[Significance of the chronic hypoxia and neurohormonal activity in the pathogenesis of ischemic heart disease] Danilova KM, et al. **Arkh Patol** 40(12):44–51, 1978 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Hypopituitarism as a delayed result of irradiation of the facial skin. Boers GH, et al. **Neth J Med** 21(6):252–6, 1978

RENIN

Nomenclature of the renin-angiotensin system. **Clin Sci Mol Med** 55 Suppl 4:113s–116s, Dec 78

Extraction and partial purification of milk coagulating enzyme from Cartamus tinctorius seeds. Tavasolian B, et al. **J Agric Food Chem** 27(1):190–1, Jan–Feb 79

Nomenclature of the renin-angiotensin system. **Jpn Circ J** 42(8):1003–9, Aug 78

Tissue edema and arterial lesions produced by pure submaxillary gland renin of mouse. Onoyama K, et al. **Jpn Heart J** 19(4):522–30, Jul 78

Nomenclature of the renin-angiotensin system. Report of the Nomenclature Committee of the International Society of Hypertension (ISH) on the occasion of the 5th meeting of the ISH in Paris, June 12--14, 1978. **Klin Wochenschr** 56 Suppl 1:187–90, 1978

ANALYSIS

Comparative biochemistry of renins and angiotensins in the vertebrates. Nakajima T, et al. **Jpn Heart J** 19(5):799–805, Sep 78

Occurrence of the renin-angiotensin system in the vertebrates. Ogawa M, et al. **Jpn Heart J** 19(5):791–8, Sep 78

Some frontiers in comparative studies of the renin-angiotensin system. Sokabe H, et al. **Jpn Heart J** 19(5):783–90, Sep 78

The renin-angiotensin-aldosterone system. Past, present and future. Vecsei P, et al. **Klin Wochenschr** 56 Suppl 1:5–21, 1978 (231 ref.)

[Effect of somatostatin on renin, aldosterone and blood pressure in unilateral renovascular hypertension] Arlart I, et al. **Verh Dtsch Ges Inn Med** (84):824–7, 1978 **(Ger)**

[Endocrine function of the salivary glands] Babaeva AG, et al. **Usp Sovrem Biol** 86(3):373–86, Nov–Dec 78 (86 ref.) **(Rus)**

ANTAGONISTS & INHIBITORS

Soluble pepstatins: a new approach to blockade in vivo of the renin-angiotensin system. Evin G, et al. **Clin Sci Mol Med** 55 Suppl 4:167s–169s, Dec 78

Essential hypertension: new concepts in diagnosis and treatment. Laragh JH. **Compr Ther** 4(12):10–7, Dec 78

BLOOD

Effect of spironolactone and its main metabolite canrenone on the renin-angiotensin-aldosterone-system during long-term treatment in rats. Erbler HC. **Acta Endocrinol (Copenh)** 90(1):147–56, Jan 79

The effect of the converting enzyme inhibitor SQ 20.881 on kinins, renin-angiotensin-aldosterone and catecholamines in relation to blood pressure in hypertensive patients. Hulthén L, et al. **Acta Med Scand** 204(6):497–502, 1978

Haemodynamic and endocrinological profile of essential hypertension. de Leeuw PW, et al. **Acta Med Scand [Suppl]** 622:5–86, 1978

In mice aggressive behavior provokes vast increase in plasma renin concentration, causing only slight, if any, increase in blood pressure. Bing J, et al. **Acta Physiol Scand** 105(1):64–72, Jan 79

Differences in renal and submaxillary renin release after stimulation with isoprenaline and noradrenaline. Bing J, et al. **Acta Physiol Scand** 105(1):58–63, Jan 79

Role of the sympathetic nervous system in mediating the renin response to head-up tilt. Their possible synergism in defending blood pressure against postural changes during sodium deprivation. Morganti A, et al. **Am J Cardiol** 43(3):600–4, Mar 79

Hemodynamic characteristics of hypertension after coronary bypass surgery and effects of the converting enzyme inhibitor. Niarchos AP, et al. **Am J Cardiol** 43(3):586–93, Mar 79

Linking the kallikrein and renin systems via activation of inactive renin: new data and a hypothesis. Sealey JE, et al. **Am J Med** 65(6):994–1000, Dec 78

Oral angiotensin-converting enzyme inhibitor in long-term treatment of hypertensive patients. Brunner HR, et al. **Ann Intern Med** 90(1):19–23, Jan 79

Converting enzyme inhibition in hypertensive emergencies. Tifft CP, et al. **Ann Intern Med** 90(1):43–7, Jan 79

Renin and aldosterone response in human newborns to acute blood volume change [letter] Spennati GF, et al. **Arch Dis Child** 54(1):80, Jan 79

Renin, growth hormone and insulin in hemodialyzed uremic diabetics. Avram MM. **Artif Organs** 2(4):382–5, Nov 78

Effects of furosemide on plasma renin and aldosterone in three subtypes of essential hypertension. Cugini P, et al. **Boll Soc Ital Biol Sper** 54(2):111–5, 30 Jan 78

Kinetic variations of plasma renin and aldosterone during active orthostatism in three subtypes of essential hypertension. Cugini P, et al. **Boll Soc Ital Biol Sper** 54(2):116–21, 30 Jan 78

Plasma renin activity in coarctation of the aorta before and after surgical correction. Fallo F, et al. **Br Heart J** 40(12):1415–8, Dec 78

Clonidine withdrawal. Mechanism and frequency of rebound hypertension. Geyskes GG, et al. **Br J Clin Pharmacol** 7(1):55–62, Jan 79

Human endometrial renin levels during the menstrual cycle [proceedings] Johnson IR. **Br J Clin Pharmacol** 6(5):458P–459P, Nov 78

The effects of beta-adrenoceptor blockade on renin, angiotensin, aldosterone and catecholamines at rest and during exercise. Lijnen PJ, et al. **Br J Clin Pharmacol** 7(2):175–81, Feb 79

Rate of onset of hypotensive effect of oral labetalol. Serlin MJ, et al. **Br J Clin Pharmacol** 7(2):165–8, Feb 79

The effects of deprivation of prostaglandin precursors on vascular sensitivity to angiotensin II and on the kidney in the pregnant rabbit. O'Brien PM, et al. **Br J Pharmacol** 65(1):29–34, Jan 79

Effects of digoxin and digoxin plus furosemide on plasma renin activity of hypertensive patients [letter] Ferrari M. **Circ Res** 44(2):295, Feb 79

Hypertensive and renal effects of chronic low level intrarenal angiotensin infusion in the dog. Lohmeier TE, et al. **Circ Res** 44(2):154–60, Feb 79

Hemodynamic, fluid, and electrolyte changes in sodium-depleted, one-kidney, renal hypertensive dogs. Stephens GA, et al. **Circ Res** 44(3):316–21, Mar 79

Human urinary and plasma kinins: relationship to sodium-retaining steroids and plasma renin activity. Vinci JM, et al. **Circ Res** 44(2):228–37, Feb 79

Renovascular hypertension and plasma renin activity. McDonald JM, et al. **Clin Chem** 25(2):289–94, Feb 79

Intrarenal action of angiotensin II in restoring renal artery pressure after acute renal artery stenosis. Anderson WP, et al. **Clin Exp Pharmacol Physiol** 5(5):529–33, Sep–Oct 78

Effects of 1-Sar-8-Ala-angiotensin II on systemic and pulmonary haemodynamics in hypertensive patients. Fagard R, et al. **Clin Exp Pharmacol Physiol** 5(5):457–64, Sep–Oct 78

Allograft renal-artery stenosis: increased peripheral plasma renin activity as an early indicator of uncontrollable hypertension. Hsu AC, et al. **Clin Nephrol** 10(6):232–8, Dec 78

Atenolol and chlorthalidone on blood pressure, heart rate, and plasma renin activity in hypertension. Teeuw AH, et al. **Clin Pharmacol Ther** 25(3):294–302, Mar 79

The role of intrarenal vasoactive substances in the pathogenesis of essential hypertension. Abe K, et al. **Clin Sci Mol Med** 55 Suppl 4:363s–366s, Dec 78

Activation of inactive plasma renin: evidence that both cryoactivation and acid-activation work by liberating a neutral serine protease from endogenous inhibitors. Atlas SA, et al. **Clin Sci Mol Med** 55 Suppl 4:135s–138s, Dec 78

Familial hypertension and hormonal profile, renal haemodynamics and body fluids of young normotensive subjects. Bianchi G, et al. **Clin Sci Mol Med** 55 Suppl 4:367s–371s, Dec 78

Plasma noradrenaline and adrenaline and beta-adrenoreceptor responsiveness in renin subgroups of essential hypertension. Bühler FR, et al. **Clin Sci Mol Med** 55 Suppl 4:57s–60s, Dec 78

Relationship of basal plasma noradrenaline to blood pressure, age, sex, plasma renin activity and plasma volume in essential hypertension. Chobanian AV, et al. **Clin Sci Mol Med** 55 Suppl 4:93s–96s, Dec 78

Changes in cardiac output during the development of renal

hypertension in sodium-depleted dogs. Davis JO, et al. **Clin Sci Mol Med** 55 Suppl 4:221s-223s, Dec 78

Noradrenaline secretion by the human kidney. de Leeuw PW, et al. **Clin Sci Mol Med** 55 Suppl 4:85s-87s, Dec 78

Alterations of adrenal and uterine angiotensin II receptors during variation of sodium intake and/or experimental hypertension. Devynck MA, et al. **Clin Sci Mol Med** 55 Suppl 4:171S-174S, Dec 78

Effects of labetalol on systemic and pulmonary haemodynamics at rest and during exercise in hypertensive patients. Fagard R, et al. **Clin Sci Mol Med** 55 Suppl 4:279s-281s, Dec 78

Plasma adrenaline and noradrenaline in essential hypertension and after long-term treatment with beta-adrenoreceptor-blocking agents. Franco-Morselli R, et al. **Clin Sci Mol Med** 55 Suppl 4:97s-100s, Dec 78

Biochemical correlates of the increase in blood pressure with age. Grim CE, et al. **Clin Sci Mol Med** 55 Suppl 4:377s-379s, Dec 78

Cryoactivation of plasma renin. Hara A, et al. **Clin Sci Mol Med** 55 Suppl 4:139s-141s, Dec 78

Evidence for an unidentified, adrenocorticotrophic hormone-dependent mineralocorticoid maintaining hypertension in young women with hypoaldosteronism. Hoefnagels WH, et al. **Clin Sci Mol Med** 55 Suppl 4:271s-274s, Dec 78

Renin--angiotensin system in mild essential hypertension. The functional significance of angiotensin II in untreated and thiazide-treated hypertensive patients. Ibsen H, et al. **Clin Sci Mol Med** 55 Suppl 4:319s-321s, Dec 78

Intrarenal control of urine concentration by angiotensin II. Imbs JL, et al. **Clin Sci Mol Med** 55 Suppl 4:229s-231s, Dec 78

Different secretion patterns of active and inactive renin in man. Kappelgaard AM, et al. **Clin Sci Mol Med** 55 Suppl 4:143s-146s, Dec 78

A renal carcinoma secreting inactive renin. Leckie B, et al. **Clin Sci Mol Med** 55 Suppl 4:159s-161s, Dec 78

An endogenous protease activating plasma inactive renin. Leckie BJ. **Clin Sci Mol Med** 55 Suppl 4:133s-134s, Dec 78

Relationship between the hypotensive and renin-stimulating actions of diuretic therapy in hypertensive patients. Leonetti G, et al. **Clin Sci Mol Med** 55 Suppl 4:307s-309s, Dec 78

Effects of indomethacin alone and during diuretic or beta-adrenoreceptor-blockade therapy on blood pressure and the renin system in essential hypertension. Lopez-Ovejero JA, et al. **Clin Sci Mol Med** 55 Suppl 4:203s-205s, Dec 78

Acid-activated renin responses to hydrochlorothiazide, propranol and indomethacin. McKenzie JK, et al. **Clin Sci Mol Med** 55 Suppl 4:151s-153s, Dec 78

Maximal discrimination of renovascular from essential hypertension by the saralasin test. Maxwell MH, et al. **Clin Sci Mol Med** 55 Suppl 4:297s-299s, Dec 78

The natural history of hypertension in turkeys. Pagnan A, et al. **Clin Sci Mol Med** 55 Suppl 4:213s-215s, Dec 78

Plasma noradrenaline and the pressor action of exogenous noradrenaline in normotensive subjects and patients with essential hypertension. Philipp T, et al. **Clin Sci Mol Med** 55 Suppl 4:61s-63s, Dec 78

Is high-molecular-weight-renin binding of renin to the protease inhibitors and lipoproteins? Poulsen K, et al. **Clin Sci Mol Med** 55 Suppl 4:125s-128s, Dec 78

Effect of prazosin on blood pressure and plasma renin activity in man. Rosenthal J, et al. **Clin Sci Mol Med** 55 Suppl 4:337s-339s, Dec 78

Different responses of active and inactive plasma renin to various stimuli. Rumpf KW, et al. **Clin Sci Mol Med** 55 Suppl 4:155s-157s, Dec 78

Are racial differences in essential hypertension due to different pathogenetic mechanisms? Sever PS, et al. **Clin Sci Mol Med** 55 Suppl 4:383s-386s, Dec 78

Role of persistent vascular renin after bilateral nephrectomy in Goldblatt-two kidney hypertension. Thurston H, et al. **Clin Sci Mol Med** 55 Suppl 4:23s-26s, Dec 78

Sodium and renin in the hypertension of early renal disease. Wong SF, et al. **Clin Sci Mol Med** 55 Suppl 4:301s-303s, Dec 78

Workup and treatment of the average hypertensive patient. Finnerty FA Jr. **Compr Ther** 4(12):40-5, Dec 78

Essential hypertension: new concepts in diagnosis and treatment. Laragh JH. **Compr Ther** 4(12):10-7, Dec 78

Comparative studies on two combination oral contraceptives, one containing synthetic estrogen, the other 'natural' estrogens. Saunders DM, et al. **Contraception** 18(5):527-34, Nov 78

The effect of angiotensin II blockade by saralasin (1-Sar-8-Ala-angiotensin II) in normal man. Ibsen H, et al. **Eur J Clin Pharmacol** 14(3):171-6, 27 Nov 78

Acebutolol in hypertension: relationships between drug concentration and effects. Martin MA, et al. **Eur J Clin Pharmacol** 14(6):383-90, 18 Dec 78

Effect of prostaglandin endoperoxide analogue on canine renal function, hemodynamics and renin release. Gerber JG, et al. **Eur J Pharmacol** 53(3):239-46, 15 Jan 79

Acute unilateral ureteral occlusion increases plasma renin activity and contralateral urinary prostaglandin excretion in rabbits. Oliw E. **Eur J Pharmacol** 53(1):95-102, 15 Dec 78

Renin-angiotensin system in the aqueous humor of rabbits, dogs and monkeys. Ikemoto F, et al. **Exp Eye Res** 27(6):723-5, Dec 78

The participation of prostaglandins in the control of renin release. Oates JA, et al. **Fed Proc** 38(1):72-4, Jan 79

The pharmacology of labetalol, an alpha- and beta-adrenoceptor blocking agent. Blakeley AG, et al. **Gen Pharmacol** 9(6):399-402, 1978 (34 ref.)

Renin-aldosterone system and urinary electrolytes after amiloride, hydrochlorothiazide and the combination. Lammintausta R, et al. **Int J Clin Pharmacol Biopharm** 16(11):503-7, Nov 78

The renin-aldosterone system in dihydralazine therapy during hypertensive pregnancy. Lammintausta R. **Int J Clin Pharmacol Biopharm** 16(12):581-4, Dec 78

Comparative study with prazosin, methyldopa and polythiazide in arterial hypertension. Marinković M, et al. **Int J Clin Pharmacol Biopharm** 17(1):38-47, Jan 79

Sodium intake and the effects of isoproterenol and exercise on plasma renin in man. Leenen FH, et al. **J Appl Physiol** 45(6):870-4, Dec 78

A comparative study of the effects of oxprenolol versus propranolol in essential hypertension. Gavras I, et al. **J Clin Pharmacol** 19(1):8-14, Jan 79

Parathion toxicity in perinatal rats born to spontaneously hypertensive dams. Deskin R, et al. **J Environ Pathol Toxicol** 2(2):291-300, Nov-Dec 78

Effects of levodopa alone and in combination with dopa-decarboxylase inhibitors on plasma renin activity in patients with Parkinson's disease. Rappelli A, et al. **J Neurol Neurosurg Psychiatry** 41(10):915-8, Oct 78

Hyperreninemia and secondary hyperaldosteronism in pheochromocytomas. Hung W, et al. **J Pediatr** 94(2):215-7, Feb 79

Hypertension secondary to a renin-producing juxtaglomerular cell tumor. Warshaw BL, et al. **J Pediatr** 94(2):247-50, Feb 79

Effects of antihypertensive treatment on systolic blood pressure and renin in experimental hypertension in rats. Cangiano JL, et al. **J Pharmacol Exp Ther** 208(2):310-3, Feb 79

The dominance of adrenergic mechanisms in mediating hypotensive drug-induced renin release in the conscious rat. Keeton TK, et al. **J Pharmacol Exp Ther** 208(2):303-9, Feb 79

The effect of increasing the plasma magnesium concentration on renin release from the dog's kidney: interactions with calcium and sodium. Wilcox CS. **J Physiol (Lond)** 284:203-17, Nov 78

Hypertension following renal transplantation. Causative factors and therapeutic implications. Whelton PK, et al. **JAMA** 241(11):1128-31, 16 Mar 79

Urinary excretion of catecholamines and their metabolites in patients with renovascular hypertension. Januszewicz W, et al. **Jpn Heart J** 19(4):468-78, Jul 78

Plasma renin activity and excretion of water and electrolytes in stroke-prone SHR rats. Kawashima K, et al. **Jpn Heart J** 19(4):657-8, Jul 78

Studies on hypertension: changes of humoral factors under long-term administration of thiazide. Mishina N, et al. **Jpn Heart J** 19(4):585-6, Jul 78

The molecular weight and character of plasma renin in SHRSP. Morita N, et al. **Jpn Heart J** 19(4):653-4, Jul 78

Physiological evolution of the renin-angiotensin system. Nishimura H. **Jpn Heart J** 19(5):806-22, Sep 78

Role of renin-angiotensin system in the controls of blood pressure and aldosterone in patients with cirrhosis and ascites. Saito I, et al. **Jpn Heart J** 19(5):741-7, Sep 78

Renin-angiotensin system in severe hypertension of stroke-prone SHR rats. Shibota M, et al. **Jpn Heart J** 19(4):655-6, Jul 78

Postpartum renal insufficiency. Ferris TF. **Kidney Int** 14(4):383-92, Oct 78

Chronic hypokalemic nephropathy: a clinical study. Bock KD, et al. **Klin Wochenschr** 56 Suppl 1:91-6, 1978

Pharmacokinetic and pharmacodynamic studies of infusions with [Sar 1, Val5, Ala8] angiotensin II (saralasin). Gless KH, et al. **Klin Wochenschr** 56 Suppl 1:97-105, 1978

Vasoactive peptides in experimental renal hypertension. Johnston CI, et al. **Klin Wochenschr** 56 Suppl 1:81-5, 1978

Mineralocorticoids, salt balance and blood pressure after prolonged ACTH administration in juvenile hypertension. Rauh W, et al. **Klin Wochenschr** 56 Suppl 1:161–7, 1978

A renal abnormality as a possible cause of 'essential' hypertension. Bianchi G, et al. **Lancet** 1(8109):173–7, 27 Jan 79

Is 'idiopathic' edema idiopathic? MacGregor GA, et al. **Lancet** 1(8113):397–400, 24 Feb 79

Emergency treatment of severe hypertension with intravenous labetalol. McGrath BP, et al. **Med J Aust** 2(9):410–1, 21 Oct 78

Alcohol and hypertension [letter] Linkola J. **N Engl J Med** 300(12):680, 22 Mar 79

Nephroptosis and kidney function. de Zeeuw D, et al. **Nephron** 22(4–6):366–73, 1978

Polkissen cells and their possible role in renin secretion. Sottiurai VS, et al. **Nephron** 22(4–6):558–69, 1978

Effects of beta 1-selective and non-selective beta-blockade on blood pressure, plasma renin activity and plasma aldosterone in hypertensive patients. van Herwaarden CL, et al. **Neth J Med** 22(1):17–22, 1979

Modifications induced in the renin-angiotensin-aldo-sterone system of rats by alpha-blocking drugs. Palazzoadriano M, et al. **Pharmacol Res Commun** 10(10):925–37, Nov 78

Centrally mediated hydration effects of angiotensin in various states of sodium balance. Kapsha JM, et al. **Pharmacology** 18(1):25–33, 1979

Effect of saralasin on plasma renin activity and arginine-vasopressin in hypertensive man. Arlart IP, et al. **Proc Eur Dial Transplant Assoc** 15:412–7, 1978

Influence of haemoperfusion on plasma levels of hormones and beta-methyldigoxin. Kokot F, et al. **Proc Eur Dial Transplant Assoc** 15:604–6, 1978

Blood pressure responses to extremes of sodium intake in normal man. Murray RH, et al. **Proc Soc Exp Biol Med** 159(3):432–6, Dec 78

The effect of inhibition of prostaglandin synthesis on plasma renin activity and blood pressure in essential hypertension. Ylitalo P, et al. **Prostaglandins Med** 1(6):479–88, Dec 78

Persisting hypertension after renal artery reconstruction. A follow-up study. Ekeström S, et al. **Scand J Urol Nephrol** 13(1):83–8, 1979

Release of renal renin in patients under long-term dialysis treatment. Kaneda H, et al. **Tohoku J Exp Med** 127(1):25–33, Jan 79

Suppression of renin in diabetic patients under chronic dialysis treatment. Kaneda H, et al. **Tohoku J Exp Med** 127(2):169–75, Feb 79

Effect of estrogen upon the juxtaglomerular apparatus and the renin-angiotensin system in rats. Kondo K, et al. **Tohoku J Exp Med** 126(3):267–72, Nov 78

Acute effects of lead on renal electrolyte excretion and plasma renin activity. Mouw DR, et al. **Toxicol Appl Pharmacol** 46(2):435–47, Nov 78

Malignant hypertension in children secondary to chronic pyelonephritis: laboratory and radiologic indications for partial or total nephrectomy. Poutasse EF, et al. **Trans Am Assoc Genitourin Surg** 69:135–8, 1977

Lymphatic network of kidney. II. Effect of diuretics on intrarenal renin release. Khuri FJ, et al. **Urology** 12(6):621–5, Dec 78

[Relationship of renal blood flow – renal mass in the etiopathogenesis of vascuio-renal hypertension. Experimental study in the dog] Serralach N, et al. **J Urol Nephrol (Paris)** 83 Suppl 2:646–7, 1977 **(Fre)**

[Plasma renin activity in diabetic children (author's transl)] Otto-Buczkowska E, et al. **Monatsschr Kinderheilkd** 127(2):91–4, Feb 79 (Eng. Abstr.) **(Ger)**

[Effect of long-term hemodialysis on renin activity, aldosterone, cortisol, serum potassium, serum sodium and blood pressure] Vetter W, et al. **Verh Dtsch Ges Inn Med** (84):832–4, 1978 **(Ger)**

[Responses of renin-angiotensin-aldosterone system to insulin hypoglycemia in patients with essential hypertension (author's transl)] Ishimaru K, et al. **Nippon Jinzo Gakkai Shi** 20(10):1087–93, Oct 78 (Eng. Abstr.) **(Jpn)**

[Symposium on edema. (2) Clinics of edema. III) Mechanism of edema in liver cirrhosis (author's transl)] Saruta T, et al. **Nippon Naika Gakkai Zasshi** 67(11):1342–6, 10 Nov 78 **(Jpn)**

[Clonidine and central sympathetic nervous system blockaders] Ogino K. **Nippon Rinsho** 36(11):3598–606, 10 Nov 78 (24 ref.) **(Jpn)**

[Hormonal and metabolic disorders in ischemic heart disease] Vecherskii GA. **Kardiologiia** 18(12):36–40, Dec 78 (Eng. Abstr.) **(Rus)**

[Effect of adrenoreceptor blockade on plasma renin activity during postnatal ontogenesis in dogs] Brin VB. **Zh Evol Biokhim Fiziol** 14(6):538–41, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

[The renin-angiotensin system in chronic idiopathic pituitary insufficiency] Levin GM, et al. **Medicina (B Aires)** 38(5):519–23, Sep-Oct 78 (Eng. Abstr.) **(Spa)**

[Prognostic and therapeutic implications of plasma renin activity in essential arterial hypertension] Pérez Díaz V, et al. **Rev Clin Esp** 151(4):283–87, 30 Nov 78 (Eng. Abstr.) **(Spa)**

[Effects of postural changes and volume depletion on renin-angiotensin system (author's transl)] Acuña D, et al. **Rev Esp Fisiol** 34(4):411–6, Dec 78 (Eng. Abstr.) **(Spa)**

DEFICIENCY

Does renin lower blood-pressure? [letter] Fagard R, et al. **Lancet** 1(8106):51, 6 Jan 79

HISTORY

Address on the occasion of the presentation of the Merck Sharp and Dohme International Award to Professor Jens Bing and his associates and the Franz Volhard Award to Professor Bjorn Folkow. Robertson JI. **Clin Sci Mol Med** 55 Suppl 4:1s–2s, Dec 78

An appreciation of Professor Franz Gross on the twentieth anniversary of the publication of his concept of the interrelationships between aldosterone and renin. Liddle GW. **Klin Wochenschr** 56 Suppl 1:3–4, 1978

ISOLATION & PURIFICATION

Definitive evidence for renin in rat brain by affinity chromatographic separation from protease. Inagami T, et al. **Clin Sci Mol Med** 55 Suppl 4:121s–123s, Dec 78

Purification of human renal renin. Slater EE, et al. **Clin Sci Mol Med** 55 Suppl 4:117s–119s, Dec 78

In vivo enzyme activity of purified human brain renin. Rettig R, et al. **Klin Wochenschr** 56 Suppl 1:43–5, 1978

METABOLISM

Influence of linoleic acid in the diet on arterial pressure of salt loaded rats. II. Effects on plasma catecholamine concentration, renin activity, and reactivity of isolated vessels. Somova L, et al. **Acta Biol Med Ger** 37(5–6):869–73, 1976

A simple microassay for human tissue renin [proceedings] Husain A, et al. **Br J Clin Pharmacol** 6(5):463P–464P, Nov 78

Human endometrial renin levels during the menstrual cycle [proceedings] Johnson IR. **Br J Clin Pharmacol** 6(5):458P–459P, Nov 78

A comparative study of the action of frusemide and methyclothiazide on renin release by rat kidney slices and the interaction with indomethacin. Desaulles E, et al. **Br J Pharmacol** 65(2):193–6, Feb 79

Effect of dithiothreitol of the reaction of renin and angiotensinogen. Funae Y, et al. **Clin Chim Acta** 91(2):183–9, 15 Jan 79

Renal release of active and inactive renin in essential and renovascular hypertension. Derkx FH, et al. **Clin Sci Mol Med** 55 Suppl 4:129s–132s, Dec 78

Definitive evidence for renin in rat brain by affinity chromatographic separation from protease. Inagami T, et al. **Clin Sci Mol Med** 55 Suppl 4:121s–123s, Dec 78

Role of persistent vascular renin after bilateral nephrectomy in Goldblatt-two kidney hypertension. Thurston H, et al. **Clin Sci Mol Med** 55 Suppl 4:23s–26s, Dec 78

Protein polypeptide hormones of the human fetus and placenta. Khan FS, et al. **Contrib Gynecol Obstet** 5:131–44, 1979 (97 ref.)

Renin-angiotensin system in the aqueous humor of rabbits, dogs and monkeys. Ikemoto F, et al. **Exp Eye Res** 27(6):723–5, Dec 78

The participation of prostaglandins in the control of renin release. Oates JA, et al. **Fed Proc** 38(1):72–4, Jan 79

Renin-aldosterone system and urinary electrolytes after amiloride, hydrochlorothiazide and the combination. Lammintausta R, et al. **Int J Clin Pharmacol Biopharm** 16(11):503–7, Nov 78

Ischemic acute renal failure in DOCA-salt-loaded and Goldblatt hypertensive rats. Ploth DW, et al. **J Lab Clin Med** 92(6):1009–18, Dec 78

In vivo enzyme activity of purified human brain renin. Rettig R, et al. **Klin Wochenschr** 56 Suppl 1:43–5, 1978

Natriuresis-induced protection in acute myohemoglobinuric renal failure without renal cortical renin content depletion in the rat. Bidani AK, et al. **Nephron** 22(4–6):529–37, 1978

Effect of norepinephrine on renin release and the cyclic AMP content of rat kidney slices: modification by sodium

deficiency and alpha-adrenergic blockade. Lopez GA, et al. **Neuroendocrinology** 27(1-2):63-73, 1978

Lymphatic network of kidney. II. Effect of diuretics on intrarenal renin release. Khuri FJ, et al. **Urology** 12(6):621-5, Dec 78

[Improved interpretation of renal-vein-renin-ratio by simultaneous determination of renal 131I-hippuric-acid-clearance-ratio in patients with renovascular hypertension (author's transl)] Helber A, et al. **Klin Wochenschr** 57(1):13-20, 1 Jan 79 (Eng. Abstr.) **(Ger)**

[Renin activity and angiotensin II concentration in the blood of the renal vein in hypertensive patients with stenosis of the renal artery] Küppers H, et al. **Verh Dtsch Ges Inn Med** (84):807-10, 1978 **(Ger)**

PHARMACODYNAMICS

Light-dark rhythms and drinking behavior in the rat. Box BM, et al. **Behav Biol** 24(1):107-12, Sep 78

Tissue edema and arterial lesions produced by pure submaxillary gland renin of mouse. Onoyama K, et al. **Jpn Heart J** 19(4):522-30, Jul 78

PHYSIOLOGY

In mice aggressive behavior provokes vast increase in plasma renin concentration, causing only slight, if any, increase in blood pressure. Bing J, et al. **Acta Physiol Scand** 105(1):64-72, Jan 79

Role of the sympathetic nervous system in mediating the renin response to head-up tilt. Their possible synergism in defending blood pressure against postural changes during sodium deprivation. Morganti A, et al. **Am J Cardiol** 43(3):600-4, Mar 79

Saralasin testing for renin-dependent hypertension. Weber MA. **Arch Intern Med** 139(1):93-5, Jan 79

Physiological evolution of the renin-angiotensin system. Nishimura H. **Jpn Heart J** 19(5):806-22, Sep 78

Occurrence of the renin-angiotensin system in the vertebrates. Ogawa M, et al. **Jpn Heart J** 19(5):791-8, Sep 78

Tissue edema and arterial lesions produced by pure submaxillary gland renin of mouse. Onoyama K, et al. **Jpn Heart J** 19(4):522-30, Jul 78

Role of renin-angiotensin system in the controls of blood pressure and aldosterone in patients with cirrhosis and ascites. Saito I, et al. **Jpn Heart J** 19(5):741-7, Sep 78

Some frontiers in comparative studies of the renin-angiotensin system. Sokabe H, et al. **Jpn Heart J** 19(5):783-90, Sep 78

Symposium: Renin-angiotensin-aldosterone system and hypertension. **Klin Wochenschr** 56 Suppl 1:1-191, 1978

Reversal of renal hypertension: effects on renin, salt and water balance. Dietz R, et al. **Klin Wochenschr** 56 Suppl 1:23-9, 1978

Humoral and neurohormonal aspects of blood pressure regulation: focus on angiotensin. Ganten D, et al. **Klin Wochenschr** 56 Suppl 1:31-41, 1978 (131 ref.)

Vasoactive peptides in experimental renal hypertension. Johnston CI, et al. **Klin Wochenschr** 56 Suppl 1:81-5, 1978

An appreciation of Professor Franz Gross on the twentieth anniversary of the publication of his concept of the interrelationships between aldosterone and renin. Liddle GW. **Klin Wochenschr** 56 Suppl 1:3-4, 1978

Inhibition of the renin-angiotensin-system in Brattleboro rats with hereditary hypothalamic diabetes insipidus. Mann JF, et al. **Klin Wochenschr** 56 Suppl 1:67-70, 1978

In vivo enzyme activity of purified human brain renin. Rettig R, et al. **Klin Wochenschr** 56 Suppl 1:43-5, 1978

The renin-angiotensin-aldosterone system. Past, present and future. Vecsei P, et al. **Klin Wochenschr** 56 Suppl 1:5-21, 1978 (231 ref.)

Does renin lower blood-pressure? [letter] Fagard R, et al. **Lancet** 1(8106):51, 6 Jan 79

Treatment of the nephrotic syndrome with indomethacin. Donker AJ, et al. **Nephron** 22(4-6):374-81, 1978

[Acute kidney failure by tubular necrosis. 1. Physiopathology] Kleinknecht D, et al. **Rev Prat** 28(49):3779-84, 1 Nov 78 (Eng. Abstr.) **(Fre)**

[Structural foundation for the functional connections of the endocrine apparatus and nervous system of the kidneys] Serov VV, et al. **Arkh Patol** 40(11):3-11, 1978 (76 ref.) (Eng. Abstr.) **(Rus)**

[The renin-angiotensin system in chronic idiopathic pituitary insufficiency] Levin GM, et al. **Medicina (B Aires)** 38(5):519-23, Sep-Oct 78 (Eng. Abstr.) **(Spa)**

SECRETION

Renal prostaglandins and renin release. Larsson C, et al. **Acta Biol Med Ger** 37(5-6):857-62, 1976

Differences in renal and submaxillary renin release after stimulation with isoprenaline and noradrenaline. Bing J, et al. **Acta Physiol Scand** 105(1):58-63, Jan 79

In mice aggressive behavior provokes vast increase in plasma renin concentration, causing only slight, if any, increase in blood pressure. Bing J, et al. **Acta Physiol Scand** 105(1):64-72, Jan 79

Renin secretion and distal tubule Na+ in rats. Churchill PC, et al. **Am J Physiol** 235(6):F611-6, Dec 78

Renin secretion by the human kidney. Birkenhäger WH, et al. **Clin Sci Mol Med** 55 Suppl 4:147s-149s, Dec 78

Different secretion patterns of active and inactive renin in man. Kappelgaard AM, et al. **Clin Sci Mol Med** 55 Suppl 4:143s-146s, Dec 78

A renal carcinoma secreting inactive renin. Leckie B, et al. **Clin Sci Mol Med** 55 Suppl 4:159s-161s, Dec 78

The effects of calcium and calcium-ionophores (X 537 A and A 23187) on renin release in the isolated perfused rat kidney. Schwertschlag U, et al. **Clin Sci Mol Med** 55 Suppl 4:171s-174s, Dec 78

Differences in reflex control of arterial pressure and renin release during head-up tilting in the cat. Stella A, et al. **Clin Sci Mol Med** 55 Suppl 4:179s-181s, Dec 78

Essential hypertension: new concepts in diagnosis and treatment. Laragh JH. **Compr Ther** 4(12):10-7, Dec 78

beta-Adrenoceptor blocking drugs and hypertension. Buckingham RE, et al. **Gen Pharmacol** 10(1):1-13, 1979 (140 ref.)

The effect of increasing the plasma magnesium concentration on renin release from the dog's kidney: interactions with calcium and sodium. Wilcox CS. **J Physiol (Lond)** 284:203-17, Nov 78

Effects of prostaglandin A2 and E2 on renal function and renin release. Matsumura T, et al. **Jpn Circ J** 42(8):927-38, Aug 78

Postpartum renal insufficiency. Ferris TF. **Kidney Int** 14(4):383-92, Oct 78

The influence of vinblastine and colchicine on renin secretion in vivo and in vitro. Hackenthal E, et al. **Klin Wochenschr** 56 Suppl 1:61-6, 1978

Role of cyclic AMP in the regulation of renin release from the isolated perfused rat kidney. Hofbauer KG, et al. **Klin Wochenschr** 56 Suppl 1:51-9, 1978

Polkissen cells and their possible role in renin secretion. Sottiurai VS, et al. **Nephron** 22(4-6):558-69, 1978

The effect of papaverine on in vitro renin secretion. Lyons HJ, et al. **Proc Soc Exp Biol Med** 160(2):237-40, Feb 79

[Improved interpretation of renal-vein-renin-ratio by simultaneous determination of renal 131I-hippuric-acid-clearance-ratio in patients with renovascular hypertension (author's transl)] Helber A, et al. **Klin Wochenschr** 57(1):13-20, 1 Jan 79 (Eng. Abstr.) **(Ger)**

[Effect of oral sodium load on the renin and aldosterone secretion in essential hypertension. Comparison to normal persons] Witassek F, et al. **Verh Dtsch Ges Inn Med** (84):795-7, 1978 **(Ger)**

[Effects of intrarenal arterial administration of beta adrenergic blocking agents on renin release and renal function (author's transl)] Maeda T. **Nippon Hinyokika Gakkai Zasshi** 69(11):1487-506, Nov 78 (Eng. Abstr.) **(Jpn)**

[Symposium on edema. (2) Clinics of edema. V) A role of endocrinological factors in edema of unknown etiology with special reference to idiopathic edema (author's transl)] Shimamoto K, et al. **Nippon Naika Gakkai Zasshi** 67(11):1354-8, 10 Nov 78 **(Jpn)**

[Daily variations in the secretion of several hormones in obesity] Epshteĭn EV. **Probl Endokrinol (Mosk)** 25(1):15-9, Jan-Feb 79 (Eng. Abstr.) **(Rus)**

URINE

[Effects of postural changes and volume depletion on renin-angiotensin system (author's transl)] Acuña D, et al. **Rev Esp Fisiol** 34(4):411-6, Dec 78 (Eng. Abstr.) **(Spa)**

SPIRONOLACTONE

ADMINISTRATION & DOSAGE

Effect of spironolactone and its main metabolite canrenone on the renin-angiotensin-aldosterone-system during long-term treatment in rats. Erbler HC. **Acta Endocrinol (Copenh)** 90(1):147-56, Jan 79

[Comparison of spironolactone and amiloride combined with hydrochlorothiazide in the treatment of slight or moderate hypertension] Sanguigni D, et al. **Clin Ter** 87(1):69-74, 15 Oct 78 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

[Comparison of spironolactone and amiloride combined with hydrochlorothiazide in the treatment of slight or moderate hypertension] Sanguigni D, et al. **Clin Ter** 87(1):69–74, 15 Oct 78 (Eng. Abstr.) **(Ita)**

ANALOGS & DERIVATIVES

Studies on the destruction of adrenal and testicular cytochrome P-450 by spironolactone. Requirement for the 7alpha-thio group and evidence for the loss of the heme and apoproteins of cytochrome P-450. Menard RH, et al. **J Biol Chem** 254(5):1726–33, 10 Mar 79

Occupancy of aldosterone binding sites in rat kidney cytosol. Warnock DG, et al. **Mol Cell Endocrinol** 12(2):221–33, Nov 78

BLOOD

Spironolactone-associated digoxin radioimmunoassay interference. Silber B, et al. **Clin Chem** 25(1):48–50, Jan 79

DIAGNOSTIC USE

Value of the spironolactone test in the diagnosis of primary hyperaldosteronism. Jessurun RF, et al. **Neth J Med** 22(1):23–6, 1979

METABOLISM

Occupancy of aldosterone binding sites in rat kidney cytosol. Warnock DG, et al. **Mol Cell Endocrinol** 12(2):221–33, Nov 78

PHARMACODYNAMICS

Effect of spironolactone and its main metabolite canrenone on the renin-angiotensin-aldosterone-system during long-term treatment in rats. Erbler HC. **Acta Endocrinol (Copenh)** 90(1):147–56, Jan 79

Studies on the destruction of adrenal and testicular cytochrome P-450 by spironolactone. Requirement for the 7alpha-thio group and evidence for the loss of the heme and apoproteins of cytochrome P-450. Menard RH, et al. **J Biol Chem** 254(5):1726–33, 10 Mar 79

The effect of enzyme induction on the irreversible binding of ethynyloestradiol to guinea pig liver microsomes. Park BK, et al. **Life Sci** 23(25):2463–6, 18 Dec 78

Increased digitoxin cleavage by liver microsomes of spironolactone-pretreated rats. Schmoldt A. **Naunyn Schmiedebergs Arch Pharmacol** 305(3):261–3, 27 Dec 78

Effects of furosemide and spironolactone on the behavior of morphine-tolerant rats. Chu H, et al. **Psychopharmacology (Berlin)** 59(3):309–10, 8 Dec 78

[Effect of spironolactones on aldosterone synthesis and adrenal metabolism] Aupetit B, et al. **Ann Endocrinol (Paris)** 39(5):355–72, 1978 (Eng. Abstr.) **(Fre)**

[Spirolactones and potassium-sparing diuretics] Thibonnier M, et al. **Rev Prat** 28(51):4021–4, 4027–8, 4031–2, 11 Nov 78 (Eng. Abstr.) **(Fre)**

[Study on potassium transport in the intestine compensatory potassium excretion mechanism increasing factors of potassium secretion (author's transl)] Hayashida Y. **Nippon Jinzo Gakkai Shi** 20(6):619–40, Jun 78 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

The relative potency of amiloride and spironolactone in bendrofluazide-treated hypertensive patients [proceedings] Fraser R, et al. **Br J Clin Pharmacol** 6(5):444P, Nov 78

Raised serum lipid concentrations during diuretic treatment of hypertension: a study of predictive indexes. Ames RP, et al. **Clin Sci Mol Med** 55 Suppl 4:311s–314s, Dec 78

Clinical use of diuretics in congestive heart failure. Hall WD. **Med Times** 107(1):24–32, Jan 79

[Cholestatic hepatitis due to ajmaline. Lymphatic congestion of the liver. Recovery after spironolactone] Hecht Y, et al. **Med Chir Dig** 7(6):473–4, 1978 **(Fre)**

[Spirolactones and potassium-sparing diuretics] Thibonnier M, et al. **Rev Prat** 28(51):4021–4, 4027–8, 4031–2, 11 Nov 78 (Eng. Abstr.) **(Fre)**

[Comparison of spironolactone and amiloride combined with hydrochlorothiazide in the treatment of slight or moderate hypertension] Sanguigni D, et al. **Clin Ter** 87(1):69–74, 15 Oct 78 (Eng. Abstr.) **(Ita)**

TRANSCORTIN

Evaluation of a competitive binding assay for cortisol using horse transcortin. Stahl F, et al. **Endokrinologie** 72(2):214–22, May 78

ANALYSIS

Sex hormone binding globulin and transcortin in human and baboon males. Karr JP, et al. **Arch Androl** 1(2):123–9, 1978

METABOLISM

[Electron paramagnetic resonance study of the interactions between steroid hormones and binding proteins] Basset M, et al. **Biochimie** 60(8):715–24, 1978 (Eng. Abstr.) **(Fre)**

11-HYDROXYCORTICOSTEROIDS, SYNTHETIC

Epidural lipomatosis: a complication of corticosteroid therapy. Butcher DL, et al. Ann Intern Med 90(1):60, Jan 79

Effects of corticosteroids on the growth and metabolism of fibroblasts cultred from human skin. Priestley GC. Br J Dermatol 99(3):253-61, Sep 78

(Effect of corticosterone on serotonin metabolism in the rat brain) Kovach G, et al. Probl Endokrinol (Mosk) 24(4):97-102, Jul-Aug 78 (Rus)

Effects of a new glucocorticoid, oxazacort, on some variables connected with bone metabolism in man: a comparison with prednisone. Caniggia A, et al. Int J Clin Pharmacol Biopharm 15(3):126-34, Mar 77

PARAMETHASONE

Less toxic corticosteroid therapy in canine renal allografts. Nakamura H, et al. Keio J Med 27(1): 15-21, Apr 78

V. *Adrenal Medulla*

ADRENAL MEDULLA

Self-association of synexin in the presence of calcium. Correlation with synexin-induced membrane fusion and examination of the structure of synexin aggregates. Creutz CE, et al. **J Biol Chem** 254(2):553–8, 25 Jan 79

[Hyperplasia of the adrenal medulla] Scorza R, et al. **Minerva Med** 69(55):3785–94, 14 Nov 78 (Eng. Abstr.) **(Ita)**

ANALYSIS

Arylalkylamines in the adrenal medulla. Philips SR, et al. **Can J Biochem** 56(11):1058–60, Nov 78

CYTOLOGY

The effects of hypophysectomy on the uptake and distribution of 3H-dopamine in the mouse adrenal medulla: an autoradiographic study. Hirano T, et al. **Arch Histol Jpn** 41(5):401–10, Nov 78

A high-voltage technique for gaining rapid access to the interior of secretory cells [proceedings] Baker PF, et al. **J Physiol (Lond)** 284:30P–31P, Nov 78

DRUG EFFECTS

Arylalkylamines in the adrenal medulla. Philips SR, et al. **Can J Biochem** 56(11):1058–60, Nov 78

beta-Adrenoceptor blocking drugs and hypertension. Buckingham RE, et al. **Gen Pharmacol** 10(1):1–13, 1979 (140 ref.)

Effect of pH on the response of adrenal medulla to various agonists. Shanbaky NM, et al. **J Pharmacol Exp Ther** 207(3):998–1003, Dec 78

Effect of tetrodotoxin on adrenaline secretion in the perfused rat adrenal medulla. Kidokoro Y, et al. **Nature** 278(5699):63–5, 1 Mar 79

ENZYMOLOGY

Phenylethanolamine-N-methyltransferase and dopamine-beta-hydroxylase alterations in young spontaneously hypertensive rats. Denoroy L, et al. **Brain Res** 162(1):184–7, 16 Feb 79

Activity of dopamine beta-monooxygenase in the tissue of the cat's carotid body. Starlinger H. **Hoppe Seylers Z Physiol Chem** 360(1):103–6, Jan 79

In vitro phosphorylation of bovine adrenal tyrosine hydroxylase by adenosine 3':5'-monophosphate-dependent protein kinase. Yamauchi T, et al. **J Biol Chem** 254(2):503–7, 25 Jan 79

Studies on cyclic nucleotides in the adrenal gland. VII. Cyclic AMP systems in the adrenal medulla in vivo. Shima S, et al. **Jpn J Pharmacol** 28(4):597–605, Aug 78

Phenylethanolamine N-methyltransferase from the brain and adrenal medulla of the rat: a comparison of their properties. Yu PH. **Neurochem Res** 3(6):755–62, Dec 78

INNERVATION

Enkephalin-like immunoreactivity in gland cells and nerve terminals of the adrenal medulla. Schultzberg M, et al. **Neuroscience** 3(12):1169–86, 1978

METABOLISM

The effects of hypophysectomy on the uptake and distribution of 3H-dopamine in the mouse adrenal medulla: an autoradiographic study. Hirano T, et al. **Arch Histol Jpn** 41(5):401–10, Nov 78

Arylalkylamines in the adrenal medulla. Philips SR, et al. **Can J Biochem** 56(11):1058–60, Nov 78

Functional reserve of the heart and catecholamines in experimental mitral valve incompetence. Bobkov YuI, et al. **Cor Vasa** 20(4):315–23, 1978

Internal pH and state of ATP in adrenergic chromaffin granules determined by 31P nuclear magnetic resonance spectroscopy. Pollard HB, et al. **J Biol Chem** 254(4):1170–7, 25 Feb 79

Studies on cyclic nucleotides in the adrenal gland. VII. Cyclic AMP systems in the adrenal medulla in vivo. Shima S, et al. **Jpn J Pharmacol** 28(4):597–605, Aug 78

Enkephalin-like immunoreactivity in gland cells and nerve terminals of the adrenal medulla. Schultzberg M, et al. **Neuroscience** 3(12):1169–86, 1978

The uptake of ascorbic acid and dehydroascorbic acid by chromaffin granules of the adrenal medulla. Tirrell JG, et al. **Neuroscience** 4(1):181–6, 1979

PATHOLOGY

Functional reserve of the heart and catecholamines in experimental mitral valve incompetence. Bobkov YuI, et al. **Cor Vasa** 20(4):315–23, 1978

[Hyperplasia of the adrenal medulla] Scorza R, et al. **Minerva Med** 69(55):3785–94, 14 Nov 78 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Thyroid and adrenomedullary reactions during sleep deprivation. Palmblad J, et al. **Acta Endocrinol (Copenh)** 90(2):233–9, Feb 79

The acute pharmacologic effects of serotonin on the release of insulin and glucagon in the intact rat. Jacoby JH, et al. **Arch Int Pharmacodyn Ther** 235(2):254–70, Oct 78

Effect of tetrodotoxin on adrenaline secretion in the perfused rat adrenal medulla. Kidokoro Y, et al. **Nature** 278(5699):63–5, 1 Mar 79

Thermal control of mother–young contact in rats. Leon M, et al. **Physiol Behav** 21(5):79O–811, Nov 78

Sympatho-adrenal medullary activity and behavior during exposure to footshock stress: a comparison of seven rat strains. McCarty R, et al. **Physiol Behav** 21(4):567–72, Oct 78

SECRETION

Choline administration to the rat increases urinary catecholamines. Scally MC, et al. **J Neural Transm** 43(2):103–12, 1978

Effect of pH on the response of adrenal medulla to various agonists. Shanbaky NM, et al. **J Pharmacol Exp Ther** 207(3):998–1003, Dec 78

A high-voltage technique for gaining rapid access to the interior of secretory cells [proceedings] Baker PF, et al. **J Physiol (Lond)** 284:30P–31P, Nov 78

The role of cytoskeleton in adreno-medullary secretion. Cooke PH, et al. **Methods Achiev Exp Pathol** 9:137–46, 1979 (20 ref.)

Effect of tetrodotoxin on adrenaline secretion in the perfused rat adrenal medulla. Kidokoro Y, et al. **Nature** 278(5699):63–5, 1 Mar 79

ULTRASTRUCTURE

[Effect of differential staining of thin sections on the electron density of catecholamines storing granules] Böck P. **Acta Histochem [Suppl] (Jena)** 14:173–7, 1975

Use of nitrogen mustard N-oxide for the fixation of electron microscopic tissues. Fujita H, et al. **Histochemistry** 58(1–2):49–56, 24 Nov 78

Characterization and topography of the glycoproteins of adrenal chromaffin granules. Huber E, et al. **J Neurochem** 32(1):35–47, Jan 79

The role of cytoskeleton in adreno-medullary secretion. Cooke PH, et al. **Methods Achiev Exp Pathol** 9:137–46, 1979 (20 ref.)

CATECHOLAMINES

ANALYSIS

[Effect of differential staining of thin sections on the electron density of catecholamines storing granules] Böck P. **Acta Histochem [Suppl] (Jena)** 14:173–7, 1975

Malignant pheochromocytoma arising in the organ of Zuckerkandl--a clinicopathological study. Kamiyama R, et al. **Acta Pathol Jpn** 28(5):731–40, Sep 78

BLOOD

Free and conjugated catecholamines in human hypertension. Kuchel O, et al. **Clin Sci Mol Med** 55 Suppl 4:77s–80s, Dec 78

[Adrenal and extra-adrenal phaeochromocytoma: diagnostic features and localisation by determining plasma catecholamines (author's transl)] Cordes U, et al. **Dtsch Med Wochenschr** 104(9):317–23, 2 Mar 79 (Eng. Abstr.) **(Ger)**

[Effect of propranolol and bunotrolol on the sympathico-adrenal activity] Mäurer W, et al. **Verh Dtsch Ges Inn Med** (84):1473–7, 1978 **(Ger)**

[Changes in the content of eosinophils, corticosterone and catecholamines during liver regeneration following resection] Malyshev VV, et al. **Biull Eksp Biol Med** 86(12):663–4, Dec 78 (Eng. Abstr.) **(Rus)**

METABOLISM

The effect of veratridine on the release of catecholamines from the perfused adrenal gland. Ito S, et al. **Br J Pharmacol** 65(2):319–30, Feb 79

Exocytotic release of catecholamines and dopamine-beta-hydroxylase from the perfused adrenal gland of the rabbit and cat. Sorimachi M, et al. **Br J Pharmacol** 65(1):117–25, Jan 79

Free and conjugated catecholamines in human hypertension. Kuchel O, et al. **Clin Sci Mol Med** 55 Suppl 4:77s–80s, Dec 78

Functional reserve of the heart and catecholamines in experimental mitral valve incompetence. Bobkov YuI, et al. **Cor Vasa** 20(4):315–23, 1978

Angiotensin II mediation of adrenal catecholamine secretion induced by intrarenal isoprenaline infusion. Feuerstein G, et al. **Eur J Pharmacol** 52(3–4):375–7, 1 Dec 78

Studies on cyclic nucleotides in the adrenal gland. VII. Cyclic AMP systems in the adrenal medulla in vivo. Shima S, et al. **Jpn J Pharmacol** 28(4):597–605, Aug 78

PHYSIOLOGY

Studies on cyclic nucleotides in the adrenal gland. VII. Cyclic AMP systems in the adrenal medulla in vivo. Shima S, et al. **Jpn J Pharmacol** 28(4):597–605, Aug 78

Ventricular tachycardia induced by pacemaker stimuli during late diastole. Occurrence with pheochromocytoma. Quan SF, et al. **Postgrad Med** 65(1):247, 250–1, Jan 79

SECRETION

Alterations in plasma norepinephrine concentration during surgical resection of pheochromocytoma. Feldman JM, et al. **Ann Surg** 188(6):758–68, Dec 78

Effect of pH on the response of adrenal medulla to various agonists. Shanbaky NM, et al. **J Pharmacol Exp Ther** 207(3):998–1003, Dec 78

A high-voltage technique for gaining rapid access to the interior of secretory cells [proceedings] Baker PF, et al. **J Physiol (Lond)** 284:30P–31P, Nov 78

The role of cytoskeleton in adreno-medullary secretion. Cooke PH, et al. **Methods Achiev Exp Pathol** 9:137–46, 1979 (20 ref.)

URINE

Analysis for urinary catecholamines by liquid chromatography with amperometric detection: methodology and clinical interpretation of results. Moyer TP, et al. **Clin Chem** 25(2):256–63, Feb 79

Free and conjugated catecholamines in human hypertension. Kuchel O, et al. **Clin Sci Mol Med** 55 Suppl 4:77s–80s, Dec 78

Falsely high urinary catecholamines induced by labetalol. Kobayashi K, et al. **Tohoku J Exp Med** 127(1):63–9, Jan 79

[Adrenal and extra-adrenal phaeochromocytoma: diagnostic features and localisation by determining plasma catecholamines (author's transl)] Cordes U, et al. **Dtsch Med Wochenschr** 104(9):317–23, 2 Mar 79 (Eng. Abstr.) **(Ger)**

CHROMAFFIN GRANULES

METABOLISM

Internal pH and state of ATP in adrenergic chromaffin granules determined by 31P nuclear magnetic resonance spectroscopy. Pollard HB, et al. **J Biol Chem** 254(4):1170–7, 25 Feb 79

The uptake of ascorbic acid and dehydroascorbic acid by chromaffin granules of the adrenal medulla. Tirrell JG, et al. **Neuroscience** 4(1):181–6, 1979

ULTRASTRUCTURE

Internal pH and state of ATP in adrenergic chromaffin granules determined by 31P nuclear magnetic resonance spectroscopy. Pollard HB, et al. **J Biol Chem** 254(4):1170–7, 25 Feb 79

Characterization and topography of the glycoproteins of adrenal chromaffin granules. Huber E, et al. **J Neurochem** 32(1):35–47, Jan 79

The role of cytoskeleton in adreno-medullary secretion. Cooke PH, et al. **Methods Achiev Exp Pathol** 9:137–46, 1979 (20 ref.)

CHROMAFFIN SYSTEM

Malignant pheochromocytoma arising in the organ of Zuckerkandl--a clinicopathological study. Kamiyama R, et al. **Acta Pathol Jpn** 28(5):731–40, Sep 78

METABOLISM

The effects of hypophysectomy on the uptake and distribution of 3H-dopamine in the mouse adrenal medulla: an autoradiographic study. Hirano T, et al. **Arch Histol Jpn** 41(5):401–10, Nov 78

Internal pH and state of ATP in adrenergic chromaffin granules determined by 31P nuclear magnetic resonance spectroscopy. Pollard HB, et al. **J Biol Chem** 254(4):1170–7, 25 Feb 79

The uptake of ascorbic acid and dehydroascorbic acid by chromaffin granules of the adrenal medulla. Tirrell JG, et al. **Neuroscience** 4(1):181–6, 1979

PATHOLOGY

Malignant pheochromocytoma arising in the organ of Zuckerkandl--a clinicopathological study. Kamiyama R, et al. **Acta Pathol Jpn** 28(5):731–40, Sep 78

SECRETION

The role of cytoskeleton in adreno-medullary secretion. Cooke PH, et al. **Methods Achiev Exp Pathol** 9:137–46, 1979 (20 ref.)

ULTRASTRUCTURE

Characterization and topography of the glycoproteins of adrenal chromaffin granules. Huber E, et al. **J Neurochem** 32(1):35–47, Jan 79

The role of cytoskeleton in adreno-medullary secretion. Cooke PH, et al. **Methods Achiev Exp Pathol** 9:137–46, 1979 (20 ref.)

DOPA

BLOOD

[Changes in the content of eosinophils, corticosterone and catecholamines during liver regeneration following resection] Malyshev VV, et al. **Biull Eksp Biol Med** 86(12):663–4, Dec 78 (Eng. Abstr.) **(Rus)**

METABOLISM

Functional reserve of the heart and catecholamines in experimental mitral valve incompetence. Bobkov YuI, et al. **Cor Vasa** 20(4):315–23, 1978

DOPAMINE

ANALOGS & DERIVATIVES

Free and conjugated catecholamines in human hypertension. Kuchel O, et al. **Clin Sci Mol Med** 55 Suppl 4:77s–80s, Dec 78

BLOOD

[Changes in the content of eosinophils, corticosterone and catecholamines during liver regeneration following resection] Malyshev VV, et al. **Biull Eksp Biol Med** 86(12):663–4, Dec 78 (Eng. Abstr.) **(Rus)**

METABOLISM

The effects of hypophysectomy on the uptake and distribution of 3H-dopamine in the mouse adrenal medulla: an autoradiographic study. Hirano T, et al. **Arch Histol Jpn** 41(5):401–10, Nov 78

Functional reserve of the heart and catecholamines in experimental mitral valve incompetence. Bobkov YuI, et al. **Cor Vasa** 20(4):315–23, 1978

URINE

Analysis for urinary catecholamines by liquid chromatography with amperometric detection: methodology and clinical interpretation of results. Moyer TP, et al. **Clin Chem** 25(2):256–63, Feb 79

EPINEPHRINE

ANALOGS & DERIVATIVES

Free and conjugated catecholamines in human hypertension. Kuchel O, et al. **Clin Sci Mol Med** 55 Suppl 4:77s–80s, Dec 78

ANALYSIS

The effects of hypophysectomy on the uptake and distribution of 3H-dopamine in the mouse adrenal medulla: an autoradiographic study. Hirano T, et al. **Arch Histol Jpn** 41(5):401–10, Nov 78

Arylalkylamines in the adrenal medulla. Philips SR, et al. **Can J Biochem** 56(11):1058–60, Nov 78

BIOSYNTHESIS

Studies on SK&F 29661, an organ-specific inhibitor of phenylethanolamine N-methyltransferase. Pendleton RG, et al. **J Pharmacol Exp Ther** 208(1):24–30, Jan 79

BLOOD

Sympatho-adrenal medullary activity and behavior during exposure to footshock stress: a comparison of seven rat strains. McCarty R, et al. **Physiol Behav** 21(4):567–72, Oct 78

[Changes in the content of eosinophils, corticosterone and catecholamines during liver regeneration following resection] Malyshev VV, et al. **Biull Eksp Biol Med** 86(12):663–4, Dec 78 (Eng. Abstr.) **(Rus)**

METABOLISM

Exocytotic release of catecholamines and dopamine-beta-hydroxylase from the perfused adrenal gland of the rabbit and cat. Sorimachi M, et al. **Br J Pharmacol** 65(1):117–25, Jan 79

Functional reserve of the heart and catecholamines in experimental mitral valve incompetence. Bobkov YuI, et al. **Cor Vasa** 20(4):315–23, 1978

PHARMACODYNAMICS

Studies on cyclic nucleotides in the adrenal gland. VII. Cyclic AMP systems in the adrenal medulla in vivo. Shima S, et al. **Jpn J Pharmacol** 28(4):597–605, Aug 78

SECRETION

Effect of tetrodotoxin on adrenaline secretion in the perfused rat adrenal medulla. Kidokoro Y, et al. **Nature** 278(5699):63–5, 1 Mar 79

Epinephrine secretion from the perfused adrenal gland produced by scorpion toxin. Jacobs TP, et al. **Toxicol Appl Pharmacol** 46(2):405–9, Nov 78

URINE

Thyroid and adrenomedullary reactions during sleep deprivation. Palmblad J, et al. **Acta Endocrinol (Copenh)** 90(2):233–9, Feb 79

Measurement of urinary epinephrine in screening for pheochromocytoma in multiple endocrine neoplasia type II. Hamilton BP, et al. **Am J Med** 65(6):1027–32, Dec 78

Analysis for urinary catecholamines by liquid chromatography with amperometric detection: methodology and clinical interpretation of results. Moyer TP, et al. **Clin Chem** 25(2):256–63, Feb 79

Choline administration to the rat increases urinary catecholamines. Scally MC, et al. **J Neural Transm** 43(2):103–12, 1978

ISOPROTERENOL

ADMINISTRATION & DOSAGE

Angiotensin II mediation of adrenal catecholamine secretion induced by intrarenal isoprenaline infusion. Feuerstein G, et al. **Eur J Pharmacol** 52(3–4):375–7, 1 Dec 78

PHARMACODYNAMICS

Angiotensin II mediation of adrenal catecholamine secretion induced by intrarenal isoprenaline infusion. Feuerstein G, et al. **Eur J Pharmacol** 52(3–4):375–7, 1 Dec 78

NOREPINEPHRINE

ANALOGS & DERIVATIVES

Free and conjugated catecholamines in human hypertension. Kuchel O, et al. **Clin Sci Mol Med** 55 Suppl 4:77s–80s, Dec 78

ANALYSIS

The effects of hypophysectomy on the uptake and distribution of 3H-dopamine in the mouse adrenal medulla: an autoradiographic study. Hirano T, et al. **Arch Histol Jpn** 41(5):401–10, Nov 78

Arylalkylamines in the adrenal medulla. Philips SR, et al. **Can J Biochem** 56(11):1058–60, Nov 78

Simultaneous determination of endogenous norepinephrine and dopamine-beta-hydroxylase activity in biological materials by chemical ionization mass fragmentography. Hashimoto Y, et al. **J Chromatogr** 168(1):59–68, 11 Jan 79

BLOOD

Alterations in plasma norepinephrine concentration during surgical resection of pheochromocytoma. Feldman JM, et al. **Ann Surg** 188(6):758–68, Dec 78

Plasma norepinephrine response to standing in patients with pheochromocytoma or medullary carcinoma of the thyroid. Feldman JM, et al. **Arch Intern Med** 139(1):81–5, Jan 79

The kinetics of plasma noradrenaline in normal and hypertensive subjects. Ghione S, et al. **Clin Sci Mol Med** 55 Suppl 4:89s–92s, Dec 78

Simultaneous determination of endogenous norepinephrine and dopamine-beta-hydroxylase activity in biological materials by chemical ionization mass fragmentography. Hashimoto Y, et al. **J Chromatogr** 168(1):59–68, 11 Jan 79

Sympatho-adrenal medullary activity and behavior during exposure to footshock stress: a comparison of seven rat strains. McCarty R, et al. **Physiol Behav** 21(4):567–72, Oct 78

[Changes in the content of eosinophils, corticosterone and catecholamines during liver regeneration following resection] Malyshev VV, et al. **Biull Eksp Biol Med** 86(12):663–4, Dec 78 (Eng. Abstr.) **(Rus)**

METABOLISM

Mechanism of the hypertensive effect of droperidol in pheochromocytoma. Oh TE, et al. **Anaesth Intensive Care** 6(4):322–7, Nov 78

The kinetics of plasma noradrenaline in normal and hypertensive subjects. Ghione S, et al. **Clin Sci Mol Med** 55 Suppl 4:89s–92s, Dec 78

Functional reserve of the heart and catecholamines in experimental mitral valve incompetence. Bobkov YuI, et al. **Cor Vasa** 20(4):315–23, 1978

Close relation between hypothalamic and cardiac norepinephrine during stress and its role in acute myocardial infarction disrhythmias. Martinez-Sierra R, et al. **Experientia** 34(12):1611–3, 15 Dec 78

Effect of acute and chronic elevated air temperatures, constant

(34 degrees) and cyclic (10--34 degrees), on brain and heart norepinephrine of male Japanese quail. Braganza A, et al. **Gen Comp Endocrinol** 36(2):233-7, Oct 78

Studies on SK&F 29661, an organ-specific inhibitor of phenylethanolamine N-methyltransferase. Pendleton RG, et al. **J Pharmacol Exp Ther** 208(1):24-30, Jan 79

PHARMACODYNAMICS

Functional reserve of the heart and catecholamines in experimental mitral valve incompetence. Bobkov YuI, et al. **Cor Vasa** 20(4):315-23, 1978

PHYSIOLOGY

Close relation between hypothalamic and cardiac norepinephrine during stress and its role in acute myocardial infarction disrhythmias. Martinez-Sierra R, et al. **Experientia** 34(12):1611-3, 15 Dec 78

URINE

Thyroid and adrenomedullary reactions during sleep deprivation. Palmblad J, et al. **Acta Endocrinol (Copenh)** 90(2):233-9, Feb 79

Measurement of urinary epinephrine in screening for pheochromocytoma in multiple endocrine neoplasia type II. Hamilton BP, et al. **Am J Med** 65(6):1027-32, Dec 78

Analysis for urinary catecholamines by liquid chromatography with amperometric detection: methodology and clinical interpretation of results. Moyer TP, et al. **Clin Chem** 25(2):256-63, Feb 79

Choline administration to the rat increases urinary catecholamines. Scally MC, et al. **J Neural Transm** 43(2):103-12, 1978

PHEOCHROMOCYTOMA

Nerve growth factor in the goldfish brain: biological assay studies using pheochromocytoma cells. Benowitz LI, et al. **Brain Res** 162(1):164-8, 16 Feb 79

ANALYSIS

Malignant pheochromocytoma arising in the organ of Zuckerkandl--a clinicopathological study. Kamiyama R, et al. **Acta Pathol Jpn** 28(5):731-40, Sep 78

BLOOD

Alterations in plasma norepinephrine concentration during surgical resection of pheochromocytoma. Feldman JM, et al. **Ann Surg** 188(6):758-68, Dec 78

Plasma norepinephrine response to standing in patients with pheochromocytoma or medullary carcinoma of the thyroid. Feldman JM, et al. **Arch Intern Med** 139(1):81-5, Jan 79

The kinetics of plasma noradrenaline in normal and hypertensive subjects. Ghione S, et al. **Clin Sci Mol Med** 55 Suppl 4:89s-92s, Dec 78

Hyperreninemia and secondary hyperaldosteronism in pheochromocytomas. Hung W, et al. **J Pediatr** 94(2):215-7, Feb 79

[Adrenal and extra-adrenal phaeochromocytoma: diagnostic features and localisation by determining plasma catecholamines (author's transl)] Cordes U, et al. **Dtsch Med Wochenschr** 104(9):317-23, 2 Mar 79 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Pheochromocytoma with reversible renal artery stenosis. Velick WF, et al. **AJR** 131(6):1069-71, Dec 78

Double phakomatosis. Riley FC, et al. **Arch Ophthalmol** 97(3):518-20, Mar 79

Colonic and oesophageal disturbance in a patient with multiple endocrine neoplasia, type 2b. Cuthbert JA, et al. **Aust NZ J Med** 8(5):518-20, Oct 78

Adrenal causes of hypertension. Moore TJ, et al. **Compr Ther** 4(12):46-52, Dec 78

Hyperreninemia and secondary hyperaldosteronism in pheochromocytomas. Hung W, et al. **J Pediatr** 94(2):215-7, Feb 79

Malignant hypertension and renal artery stenosis in a child [clinical conference] Wendelken JR, et al. **J Urol** 120(6):745-50, Dec 78

Occurrence of a pheochromocytoma after ingestion of imipramine. Johnson ER, et al. **JAOA** 78(5):332-5, Jan 79

Ventricular tachycardia induced by pacemaker stimuli during late diastole. Occurrence with pheochromocytoma. Quan SF, et al. **Postgrad Med** 65(1):247, 250-1, Jan 79

[Intermittent chronic occlusion of the duodenum caused by pheochromocytoma] Nalli G, et al. **Minerva Med** 69(50):3429-33, 20 Oct 78 (Eng. Abstr.) **(Ita)**

[Errors in diagnosis and treatment of children with symptomatic hypertension] Akzhigitov GN, et al. **Khirurgiia (Mosk)** (12):108-10, Dec 78 **(Rus)**

DIAGNOSIS

Measurement of urinary epinephrine in screening for pheochromocytoma in multiple endocrine neoplasia type II. Hamilton BP, et al. **Am J Med** 65(6):1027-32, Dec 78

Adrenal causes of hypertension. Moore TJ, et al. **Compr Ther** 4(12):46-52, Dec 78

Occurrence of a pheochromocytoma after ingestion of imipramine. Johnson ER, et al. **JAOA** 78(5):332-5, Jan 79

Thyrotrophin-releasing-hormone test in phaeochromocytoma [letter] Linch DC, et al. **Lancet** 1(8109):210, 27 Jan 79

Alpha blockade and surgical intervention of pheochromocytoma in pregnancy. Burgess GE 3d. **Obstet Gynecol** 53(2):266-70, Feb 79

[Age factors in adrenal tumors in children] Hofmann S. **Acta Paediatr Acad Sci Hung** 19(3):253-62, 1978 **(Ger)**

[Adrenal and extra-adrenal phaeochromocytoma: diagnostic features and localisation by determining plasma catecholamines (author's transl)] Cordes U, et al. **Dtsch Med Wochenschr** 104(9):317-23, 2 Mar 79 (Eng. Abstr.) **(Ger)**

[Problems of pheochromocytoma diagnosis (letter)] Goischke HK. **Dtsch Med Wochenschr** 104(3):109-10, 19 Jan 79 **(Ger)**

[Sonography and phlebography in the investigation of the suprarenals (author's transl)] Hofer B, et al. **ROEFO** 129(6):686-91, Dec 78 (Eng. Abstr.) **(Ger)**

[Pheochromocytoma-like symptoms in acute hypertensive encephalopathy] Röckel A, et al. **Verh Dtsch Ges Inn Med** (84):797-800, 1978 **(Ger)**

DRUG THERAPY

Prolonged survival in a patient with pulmonary metastases of a malignant pheochromocytoma. van den Broek PJ, et al. **Neth J Med** 21(6):245-7, 1978

Falsely high urinary catecholamines induced by labetalol. Kobayashi K, et al. **Tohoku J Exp Med** 127(1):63-9, Jan 79

ENZYMOLOGY

Induction of ornithine decarboxylase by nerve growth factor dissociated from effects on survival and neurite outgrowth. Greene LA, et al. **Nature** 276(5684):191-4, 9 Nov 78

FAMILIAL & GENETIC

Measurement of urinary epinephrine in screening for pheochromocytoma in multiple endocrine neoplasia type II. Hamilton BP, et al. **Am J Med** 65(6):1027-32, Dec 78

Occurrence of a pheochromocytoma after ingestion of imipramine. Johnson ER, et al. **JAOA** 78(5):332-5, Jan 79

METABOLISM

Free and conjugated catecholamines in human hypertension. Kuchel O, et al. **Clin Sci Mol Med** 55 Suppl 4:77s-80s, Dec 78

NURSING

Phaeochromocytoma: notable advance in management. Perkins CM. **Nurs Mirror** 148(6):36-8, 8 Feb 79

PATHOLOGY

Malignant pheochromocytoma arising in the organ of Zuckerkandl--a clinicopathological study. Kamiyama R, et al. **Acta Pathol Jpn** 28(5):731-40, Sep 78

Coexistence of bilateral pheochromocytoma and pancreatic islet cell tumor: report of a case and review of the literature. Tateishi R, et al. **Cancer** 42(6):2928-34, Dec 78 (28 ref.)

Malignant hypertension and renal artery stenosis in a child [clinical conference] Wendelken JR, et al. **J Urol** 120(6):745-50, Dec 78

Induction of ornithine decarboxylase by nerve growth factor dissociated from effects on survival and neurite outgrowth. Greene LA, et al. **Nature** 276(5684):191-4, 9 Nov 78

Evidence for RNA synthesis-dependent and -independent pathways in stimulation of neurite outgrowth by nerve

growth factor. Burstein DE, et al.
Proc Natl Acad Sci USA 75(12):6059–63, Dec 78

PHYSIOPATHOLOGY

Mechanism of the hypertensive effect of droperidol in pheochromocytoma. Oh TE, et al.
Anaesth Intensive Care 6(4):322–7, Nov 78

Induction of anesthesia in a patient with an undiagnosed pheochromocytoma. Smith DS, et al. **Anesthesiology** 49(5):368–9, Nov 78

Alterations in plasma norepinephrine concentration during surgical resection of pheochromocytoma. Feldman JM, et al. **Ann Surg** 188(6):758–68, Dec 78

Ventricular tachycardia induced by pacemaker stimuli during late diastole. Occurrence with pheochromocytoma. Quan SF, et al. **Postgrad Med** 65(1):247, 250–1, Jan 79

RADIOGRAPHY

Computed tomography in the diagnosis of adrenal disease. Korobkin M, et al. **AJR** 132(2):231–8, Feb 79

[Sonography and phlebography in the investigation of the suprarenals (author's transl)] Hofer B, et al. **ROEFO** 129(6):686–91, Dec 78 (Eng. Abstr.) **(Ger)**

[Intermittent chronic occlusion of the duodenum caused by pheochromocytoma] Nalli G, et al. **Minerva Med** 69(50):3429–33, 20 Oct 78 (Eng. Abstr.) **(Ita)**

SURGERY

Alterations in plasma norepinephrine concentration during surgical resection of pheochromocytoma. Feldman JM, et al. **Ann Surg** 188(6):758–68, Dec 78

Adrenal causes of hypertension. Moore TJ, et al.
Compr Ther 4(12):46–52, Dec 78

Prolonged survival in a patient with pulmonary metastases of a malignant pheochromocytoma. van den Broek PJ, et al. **Neth J Med** 21(6):245–7, 1978

Phaeochromocytoma: notable advance in management. Perkins CM. **Nurs Mirror** 148(6):36–8, 8 Feb 79

Alpha blockade and surgical intervention of pheochromocytoma in pregnancy. Burgess GE 3d.
Obstet Gynecol 53(2):266–70, Feb 79

ULTRASTRUCTURE

Malignant pheochromocytoma arising in the organ of Zuckerkandl--a clinicopathological study. Kamiyama R, et al. **Acta Pathol Jpn** 28(5):731–40, Sep 78

Pheochromocytomas [letter] Mendelsohn G, et al.
Hum Pathol 9(5):607–8, Sep 78

URINE

Measurement of urinary epinephrine in screening for pheochromocytoma in multiple endocrine neoplasia type II. Hamilton BP, et al. **Am J Med** 65(6):1027–32, Dec 78

Analysis for urinary catecholamines by liquid chromatography with amperometric detection: methodology and clinical interpretation of results. Moyer TP, et al. **Clin Chem** 25(2):256–63, Feb 79

Falsely high urinary catecholamines induced by labetalol. Kobayashi K, et al. **Tohoku J Exp Med** 127(1):63–9, Jan 79

VANILMANDELIC ACID

URINE

Falsely high urinary catecholamines induced by labetalol. Kobayashi K, et al. **Tohoku J Exp Med** 127(1):63–9, Jan 79

[Adrenal and extra-adrenal phaeochromocytoma: diagnostic features and localisation by determining plasma catecholamines (author's transl)] Cordes U, et al.
Dtsch Med Wochenschr 104(9):317–23, 2 Mar 79 (Eng. Abstr.) **(Ger)**

GONADS

I. Physical and Functional Aspects

GONADS

FDA and ACR recommend gonad shielding [editorial] Manny EF, et al. **Postgrad Med** 65(3):20–1, Mar 79

ABNORMALITIES

Ambiguous genitals and the choice of gender. Kiss P, et al. **Acta Paediatr Acad Sci Hung** 19(3):191–8, 1978

The surgery of developmental and congenital disorders in gynaecology. Williams EA. **Clin Obstet Gynaecol** 5(3):505–23, Dec 78

EMBRYOLOGY

The development of fetal hypothalamic–pituitary gonadal adrenal function. Jenkin G, et al. **Contrib Gynecol Obstet** 5:58–90, 1979 (158 ref.)

[The role of the adrenal gland in sex determination of the duck embryo] van Deth JH, et al. **Acta Morphol Neerl Scand** 16(4):257–66, Nov 78 (Eng. Abstr.) **(Fre)**

[The mechanism of gonadal differentiation] Wolf U. **Bull Schweiz Akad Med Wiss** 34(4–6):357–68, Nov 78 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

[Change in the gonadotropin content and activity in the hypophysis of the Russian sturgeon at different stages of gonadal maturity] Burlakov AB. **Biol Nauki** (12):36–40, 1978 **(Rus)**

PATHOLOGY

Endocrine function and reproductive impairment in an irradiated population of the lizard Uta stansburiana. Pearson AK, et al. **Radiat Res** 76(3):610–23, Dec 78

PHYSIOLOGY

The development of fetal hypothalamic–pituitary gonadal adrenal function. Jenkin G, et al. **Contrib Gynecol Obstet** 5:58–90, 1979 (158 ref.)

The interpretation of physiological correlates of differential housing in laboratory rats. Brain P, et al. **Life Sci** 24(2):99–115, 8 Jan 79 (107 ref.)

The pineal, a tranquillizing organ? Romijn HJ. **Life Sci** 23(23):2257–73, 4 Dec 78 (113 ref.)

PHYSIOPATHOLOGY

Endocrine function and reproductive impairment in an irradiated population of the lizard Uta stansburiana. Pearson AK, et al. **Radiat Res** 76(3):610–23, Dec 78

RADIATION EFFECTS

Endocrine function and reproductive impairment in an irradiated population of the lizard Uta stansburiana. Pearson AK, et al. **Radiat Res** 76(3):610–23, Dec 78

[The radiation dose to the gonads in radiological examinations of the stomach (author's transl)] Radtke I, et al. **Radiol Diagn (Berl)** 19(6):818–23, Dec 78 (Eng. Abstr.) **(Ger)**

[Gonadal dosage in thoracic radiography. Significance of precise field blending and of the lumbar lead apron for gonadal dosage in thoracic radiography] Schwegler N, et al. **ZFA (Stuttgart)** 55(1):11–5, 10 Jan 79 **(Ger)**

[Evaluation of the absorbed dose in mass chest x-ray studies of school-age children in the Province of Brescia] Belletti S, et al. **Radiol Med (Torino)** 64(10):1142–3, Oct 78 **(Ita)**

[Estimation of the annual genetically significant dose from the medico-diagnostic use of x-rays in the Province of Varese] Conte L, et al. **Radiol Med (Torino)** 64(10):1140–2, Oct 78 **(Ita)**

[Use of screens with high reinforcement factor in obstetrico-gynecological radiodiagnosis] De Simoni M, et al. **Radiol Med (Torino)** 64(10):1162–4, Oct 78 **(Ita)**

Ovary

CORPUS LUTEUM

Tubal ectopic pregnancy with contralateral corpus luteum: a report of five cases. Honoré LH. **J Reprod Med** 21(4):269–71, Oct 78

Hyperreactio luteinalis: a case report. Rowlands JB. **JCU** 6(5):327–9, Oct 78

DRUG EFFECTS

Progesterone and 20alpha–hydroxysteroid–dehydrogenase regulation in the corpus luteum of the pregnant rat. Loewit K, et al. **Acta Endocrinol (Copenh)** 90(1):176–84, Jan 79

Occurrence of ovulation in women receiving the injectable contraceptive norethisterone oenanthate. Fotherby K, et al. **Contraception** 18(5):535–42, Nov 78

Early changes in serum progesterone, estradiol and LH during prostaglandin F2alpha–induced luteolysis in mares. Noden PA, et al. **J Anim Sci** 47(3):666–71, Sep 78

Luteolysis, growth hormone, glucocorticoids, prolactin and milk production in lactating dairy cows given prostaglandin F2alpha. Renegar RH, et al. **J Anim Sci** 47(2):532–7, Aug 78

Ultrastructure of luteolysis induction by prostaglandin F2–alpha in the non–pregnant ewe. Van Der Walt LA. **J S Afr Vet Assoc** 49(2):121–3, Jul 78

ENZYMOLOGY

Progesterone and 20alpha–hydroxysteroid–dehydrogenase regulation in the corpus luteum of the pregnant rat. Loewit K, et al. **Acta Endocrinol (Copenh)** 90(1):176–84, Jan 79

Gel–filtration analysis of soluble adenylate cyclase from bovine corpus luteum. Young JL, et al. **Biochem J** 175(2):579–84, 1 Nov 78

On the localization of lactate dehydrogenase in the ovaries and reproductive tracts of rats and mice. Brinkworth RI, et al. **Mech Ageing Dev** 8(5):299–310, Nov 78

Interations of gonadotropins with corpus luteum membranes. VII. Association of hCG–binding and adenylate cyclase activities with rabbit corpus luteum plasma–membranes. Bramley TA, et al. **Mol Cell Endocrinol** 12(3):319–25, Dec 78

METABOLISM

A combined biochemical and histochemical study on steroid metabolism in mouse ovary and ovarian tumours. Snoeijing R, et al. **Acta Histochem [Suppl] (Jena)** 14:119–28, 1975

Gonadotropin and prostaglandins binding sites in rough endoplasmic reticulum and Golgi fractions of bovine corpora lutea. Mitra S, et al. **Arch Biochem Biophys** 191(1):331–40, Nov 78

Prostaglandin E and F2alpha receptors in bovine corpus luteum plasma membranes are two different macromolecular entities. Rao CV, et al. **Biochem Biophys Res Commun** 85(3):1054–60, 14 Dec 78

Prostaglandin E and F2alpha receptors in bovine corpora lutea: relative affinities of products of arachidonic acid metabolism by cyclo–oxygenase. Rao CV, et al. **Biochem Biophys Res Commun** 85(1):125–30, 14 Nov 78

Prostaglandin production by rhesus monkey corpora lutea in vitro. Balmaceda J, et al. **Fertil Steril** 31(2):214–6, Feb 79

Interations of gonadotropins with corpus luteum membranes. VII. Association of hCG–binding and adenylate cyclase activities with rabbit corpus luteum plasma–membranes. Bramley TA, et al. **Mol Cell Endocrinol** 12(3):319–25, Dec 78

PATHOLOGY

Triploidy syndrome with theca lutein cysts and severe pre–eclampsia. Lewis PE, et al. **Am J Obstet Gynecol** 133(1):110–1, 1 Jan 79

Effect of neonatal administration of sex steroids on 7,12–dimethylbenz[a]anthracene–induced mammary carcinoma and dysplasia in female Sprague–Dawley rats. Yoshida H, et al. **Gan** 69(5):627–31, Oct 78

Hyperreactio luteinalis: a case report. Rowlands JB. **JCU** 6(5):327–9, Oct 78

PHYSIOLOGY

Hormonal control of oocyte meiosis, ovulation and luteinization in mammals. Channing CP, et al. **Clin Endocrinol Metab** 7(3):601–24, Nov 78 (156 ref.)

Hormonal correlates of normal and abnormal follicle growth after puberty in humans and other primates. Ross GT, et al. **Clin Endocrinol Metab** 7(3):561–75, Nov 78

Correlation among foetal number, corpora lutea and plasma progesterone in Rockland–Swiss mice. Simon NG, et al. **Endokrinologie** 72(2):247–9, May 78

Effects of immunization with the beta–subunit of ovine luteinizing hormone on corpus luteum function in the rhesus monkey. Thau RB, et al. **Fertil Steril** 31(2):200–4, Feb 79

Are microtubules involved in luteolysis? [proceedings] Hall AK, et al. **J Endocrinol** 79(2):42P–43P, Nov 78

Maternal serum metabolites during prolonged starvation in pregnant pigs. Kertiles LP, et al. **Metabolism** 28(2):100–4, Feb 79

[Hormone receptors in gynaecology. Towards practical applications? (author's transl)] Lecomte P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(6):1051–64, Sep 78 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Ultrastructure of luteolysis induction by prostaglandin F2–alpha in the non–pregnant ewe. Van Der Walt LA. **J S Afr Vet Assoc** 49(2):121–3, Jul 78

GRAAFIAN FOLLICLE

[Estrogenic stimulation of the follicular phase of the human menstrual cycle: neuro endocrinian investigation (author's transl)] Gautray JP, et al. **Rev Fr Gynecol Obstet** 73(12):789–94, Dec 78 **(Fre)**

ANALYSIS

Purification of 'inhibin' from human ovarian follicular fluid. Chari S, et al. **Acta Endocrinol (Copenh)** 90(1):157–66, Jan 79

Isolation and characterization of proteoglycans from porcine ovarian follicular fluid. Yanagishita M, et al. **J Biol Chem** 254(3):911–20, 10 Feb 79

Concentrations of hydrogen ions, oxygen, carbon dioxide and bicarbonate in porcine follicular fluid. Knudsen JF, et al. **J Endocrinol** 79(2):249–50, Nov 78

ANATOMY & HISTOLOGY

The oestrous cycle of the camel (Camelus dromedarius). Musa BE, et al. **Vet Rec** 103(25):556–7, 16 Dec 78

CYTOLOGY

Effects of intrafollicular administration of gonadotropins in two species of nonhuman primates using laparoscopy. Rawson JM, et al. **J Med Primatol** 7(4):223–7, 1978

DRUG EFFECTS

Hormonal correlates of normal and abnormal follicle growth after puberty in humans and other primates. Ross GT, et al. **Clin Endocrinol Metab** 7(3):561–75, Nov 78

Effects of intrafollicular administration of gonadotropins in two species of nonhuman primates using laparoscopy. Rawson JM, et al. **J Med Primatol** 7(4):223–7, 1978

[Quantitative evaluation of the permeability of the hematofollicular barrier in rats] Ivanova RD, et al. **Akush Ginekol (Mosk)** (12):55–7, Dec 78 **(Rus)**

EMBRYOLOGY

Morphological and histochemical studies on the foetal and postnatal ovaries of the field rat (Millardia meltada). Guraya SS, et al. **Acta Morphol Neerl Scand** 16(4):287–304, Nov 78

Follicular growth in fetal and prepubertal ovaries of humans and other primates. Peters H, et al.

Clin Endocrinol Metab 7(3):469–85, Nov 78 (72 ref.)

ENZYMOLOGY

On the localization of lactate dehydrogenase in the ovaries and reproductive tracts of rats and mice. Brinkworth RI, et al. **Mech Ageing Dev** 8(5):299–310, Nov 78

GROWTH & DEVELOPMENT

Morphological changes in the rabbit ovary after active immunization to testosterone. Armstrong RW, et al. **Cell Tissue Res** 193(3):533–42, 30 Oct 78

Cyclic changes in antral fluid hormone concentrations in humans. McNatty KP. **Clin Endocrinol Metab** 7(3):577–600, Nov 78

Follicular growth in fetal and prepubertal ovaries of humans and other primates. Peters H, et al. **Clin Endocrinol Metab** 7(3):469–85, Nov 78 (72 ref.)

Hormonal correlates of normal and abnormal follicle growth after puberty in humans and other primates. Ross GT, et al. **Clin Endocrinol Metab** 7(3):561–75, Nov 78

METABOLISM

Morphological and histochemical studies on the foetal and postnatal ovaries of the field rat (Millardia meltada). Guraya SS, et al. **Acta Morphol Neerl Scand** 16(4):287–304, Nov 78

Receptors for follicle-stimulating hormone and human chorionic gonadotrophin in the ovine follicle: changes in binding with atresia in vitro [proceedings] Carson RS, et al. **J Endocrinol** 79(2):27P–28P, Nov 78

PATHOLOGY

Diagnostic evaluation of progesterone. Challenge test in amenorrheic patients. Nakano R, et al. **Acta Obstet Gynecol Scand** 58(1):59–64, 1979

PHYSIOLOGY

Cyclic changes in antral fluid hormone concentrations in humans. McNatty KP. **Clin Endocrinol Metab** 7(3):577–600, Nov 78

Intrafollicular pressure within preovulatory follicles of the pig. Bronson RA, et al. **Fertil Steril** 31(2):205–13, Feb 79

Receptors for follicle-stimulating hormone and human chorionic gonadotrophin in the ovine follicle: changes in binding with atresia in vitro [proceedings] Carson RS, et al. **J Endocrinol** 79(2):27P–28P, Nov 78

[Quantitative evaluation of the permeability of the hematofollicular barrier in rats] Ivanova RD, et al. **Akush Ginekol (Mosk)** (12):55–7, Dec 78 **(Rus)**

ULTRASTRUCTURE

Follicular growth in fetal and prepubertal ovaries of humans and other primates. Peters H, et al. **Clin Endocrinol Metab** 7(3):469–85, Nov 78 (72 ref.)

GRANULOSA CELLS

CYTOLOGY

Cyclic changes in antral fluid hormone concentrations in humans. McNatty KP. **Clin Endocrinol Metab** 7(3):577–600, Nov 78

DRUG EFFECTS

Glucocorticoid inhibition of FSH-induced estrogen production in cultured rat granulosa cells. Hsueh AJ, et al. **Steroids** 32(5):639–48, Dec 78

METABOLISM

Morphological and histochemical studies on the foetal and postnatal ovaries of the field rat (Millardia meltada). Guraya SS, et al. **Acta Morphol Neerl Scand** 16(4):287–304, Nov 78

Internalization and degradation of receptor-bound hCG in granulosa cell cultures. Amsterdam A, et al. **Am J Physiol** 236(2):E129–38, Feb 79

Glucocorticoid inhibition of FSH-induced estrogen production in cultured rat granulosa cells. Hsueh AJ, et al. **Steroids** 32(5):639–48, Dec 78

PHYSIOLOGY

Hormonal control of oocyte meiosis, ovulation and luteinization in mammals. Channing CP, et al. **Clin Endocrinol Metab** 7(3):601–24, Nov 78 (156 ref.)

LUTEIN CELLS

Hyperreactio luteinalis: a case report. Rowlands JB. **JCU** 6(5):327–9, Oct 78

PATHOLOGY

Triploidy syndrome with theca lutein cysts and severe pre-eclampsia. Lewis PE, et al. **Am J Obstet Gynecol** 133(1):110–1, 1 Jan 79

Hyperreactio luteinalis: a case report. Rowlands JB. **JCU** 6(5):327–9, Oct 78

OVARY

The physician's role in radiation protection. Guyther JR. **Am Fam Physician** 18(6):103–6, Dec 78

Gonad shielding in diagnostic radiology. Recommendation of the FDA and ACR. Manny EF, et al. **Postgrad Med** 65(3):207–11, Mar 79

Genetic and biochemical studies with the adenosine analogs toyocamycin and tubercidin: mutation at the adenosine kinase locus in Chinese hamster cells. Gupta RS, et al. **Somatic Cell Genet** 4(6):715–35, Nov 78

Inverse relationship between galactokinase activity and 2-deoxygalactose resistance in Chinese hamster ovary cells. Whitfield CD, et al. **Somatic Cell Genet** 4(6):699–713, Nov 78

ABNORMALITIES

[Case of ovarian tumor in a 10-year-old girl with gonadal dysgenesis, illustrating the need for evaluation of sexual development in the course of diagnostic procedures] Ordyniec J, et al. **Ginekol Pol** 49(9):801–3, Sep 78 (Eng. Abstr.) **(Pol)**

ANALYSIS

Ecdysone and ecdysterone in physogastric termite queens and eggs of Macrotermes bellicosus and Macrotermes subhyalinus. Delbecque JP, et al. **Gen Comp Endocrinol** 36(1):40–7, Sep 78

Existence of an estrogen-like compound in the ovary of the shrimp Parapenaeus fissurus. Jeng SS, et al. **Gen Comp Endocrinol** 36(2):211–4, Oct 78

Structural studies of the major high mannose oligosaccharide units from Chinese hamster ovary cell glycoproteins. Li E, et al. **J Biol Chem** 254(5):1600–5, 10 Mar 79

Oxygen incineration and electron microscope x-ray microanalysis of mineral particles in biological tissues. Henderson WJ, et al. **J Histochem Cytochem** 26(12):1087–93, Dec 78

Gonadal luteinizing hormone receptors and adenylate cyclase: transfer of functional ovarian luteinizing hormone receptors to adrenal fasciculata cells. Dufau ML, et al. **Proc Natl Acad Sci USA** 75(10):4769–73, Oct 78

ANATOMY & HISTOLOGY

Morphological changes in the rabbit ovary after active immunization to testosterone. Armstrong RW, et al. **Cell Tissue Res** 193(3):533–42, 30 Oct 78

Ultrastructure of the cells of the ovarian interstitial gland in hypophysectomized rats. The effects of stimulation of the ovarian plexus and of denervation. Capps ML, et al. **Cell Tissue Res** 193(3):433–42, 30 Oct 78

Organization in vitro of ovarian cells into testicular structures. Zenzes MT, et al. **Hum Genet** 44(3):333–8, 16 Nov 78

Postnatal formation of ovarian stroma and its relation to ovarian pathology. Hughesdon PE. **Int J Gynaecol Obstet** 16(1):8–19, 1978

Effects of stressful conditions on the development and movement of reproductive cells in Schistosoma japonicum. Kolzow RG, et al. **J Parasitol** 64(6):994–7, Dec 78

BLOOD SUPPLY

Surgical implications of ovarian vein thrombosis. Maull KI, et al. **Am Surg** 44(11):727–33, Nov 78

Effect of terbutaline sulphate on ovarian, uterine and maternal placental blood flow in the anesthetized guinea pig. Mårtensson L, et al. **Eur J Pharmacol** 53(1):57–62, 15 Dec 78

Tubal sterilization and ovarian perfusion: selective arteriography in vivo and in vitro. Manzanilla-Sevilla R, et al. **Int J Gynaecol Obstet** 16(2):137–43, 1978–79

Ovarian and peripheral venous blood prostaglandin F2alpha levels in pregnant and nonpregnant women. Walters WA, et al. **Int J Gynaecol Obstet** 16(3):259–62, 1978–79

Secretion of progesterone during gestation in the rat. Sanyal MK. **J Endocrinol** 79(2):179–90, Nov 78

Peripheral and ovarian venous concentrations of various steroid hormones in virilizing ovarian tumors. Meldrum DR, et al. **Obstet Gynecol** 53(1):36–43, Jan 79

Portal circulations and their relation to counter-current systems. Henderson JR, et al. **Q J Exp Physiol** 63(4):355–69, Oct 78

[Value of the anamnesis, local situation and laboratory studies in the diagnosis of idiopathic premature labor] Sistek J. **Gynaekol Rundsch** 18 Suppl 1:86–91, 1978 **(Fre)**

[Radiologic diagnosis of chronic pelvic pain in women] Lane E. **Rev Paul Med** 92(3–4):60–3, Sep–Oct 78 (Eng. Abstr.) **(Por)**

CYTOLOGY

Histological observations on some of the endocrine glands in the ironfish, with special regard to the hypophysis. Chiba A, et al. **Arch Histol Jpn** 41(1):53–64, Feb 78

Replicon sizes in mammalian cells as estimated by an x-ray plus bromodeoxyuridine photolysis method. Kapp LN, et al. **Biophys J** 24(3):739–48, Dec 78

Observations on the determination of fetal sex in early pregnancy. Zondek LH, et al. **Contrib Gynecol Obstet** 5:91–108, 1979 (70 ref.)

Ovarian morphology in congenitally athymic mice [proceedings] Bukovský A, et al. **Folia Biol (Praha)** 24(6):442–3, 1978

Appearance of hCG-receptor after conversion of newborn ovarian cells into testicular structures by H-Y antigen in vitro. Müller U, et al. **Hum Genet** 45(2):203–7, 18 Dec 78

DRUG EFFECTS

Endocrine effects of chlorinated hydrocarbons in rhesus monkeys. Müller WF, et al. **Ecotoxicol Environ Safety** 2(2):161–72, Sep 78

Effect of luteinizing hormone on the concentration of cyclic GMP in rabbit ovaries. Patwardhan VV, et al. **J Endocrinol** 79(2):251–2, Nov 78

Prevention of compensatory ovarian hypertrophy by local treatment of the ovary with 6-OHDA. Gerendai I, et al. **Neuroendocrinology** 27(5–6):272–8, 1978

Longterm effects of neonatal treatment with cortisol and/or estrogen in the female BALB/c mouse. Ways SC, et al. **Proc Soc Exp Biol Med** 160(1):94–8, Jan 79

Are surgical adjuvant trials altering the course of breast cancer? Bonadonna G, et al. **Semin Oncol** 5(4):450–64, Dec 78 (55 ref.)

Dynamic hormonal tests in a case of premature ovarian failure. Asch RH, et al. **South Med J** 72(1):72–4, Jan 79

[Experimental study of the gonadotropic action of strontium hydroxide] Silaev AA, et al. **Gig Tr Prof Zabol** (1):43–4, 1979 **(Rus)**

[The gonadotropin-resistant ovary syndrome] Ordas J, et al. **Acta Obstet Ginecol Hisp Lusit** 26(8):497–506, Nov 78 **(Spa)**

EMBRYOLOGY

Morphological and histochemical studies on the foetal and postnatal ovaries of the field rat (Millardia meltada). Guraya SS, et al. **Acta Morphol Neerl Scand** 16(4):287–304, Nov 78

Fetal gonadal endocrine activity and reproductive tract differentiation. Bloch E. **Contrib Gynecol Obstet** 5:21–37, 1979 (76 ref.)

Observations on the determination of fetal sex in early pregnancy. Zondek LH, et al. **Contrib Gynecol Obstet** 5:91–108, 1979 (70 ref.)

Possibility of immunodiagnosis in ovarian cancer. **Gynecol Obstet Invest** 9(2–3):98–108, 1978

New trends in the problem of sex differentiation. Wolff E. **Med Biol** 56(6):403–6, Dec 78

ENZYMOLOGY

Ultrastructural and enzyme histochemical study of ovarian hilar cells in women and their relationships with sympathetic nerves. Laffargue P, et al. **Hum Pathol** 9(6):649–59, Nov 78

Hydrolysis and synthesis of wax esters by different systems of carp hepatopancreas preparation. Kayama M, et al. **J Biochem (Tokyo)** 85(1):1–6, Jan 79

On the localization of lactate dehydrogenase in the ovaries and reproductive tracts of rats and mice. Brinkworth RI, et al. **Mech Ageing Dev** 8(5):299–310, Nov 78

Temporal changes in ovarian steroid-17alpha-hydroxylase in immature rats treated with pregnant mare's serum gonadotropin. Johnson DC. **Proc Soc Exp Biol Med** 159(3):484–7, Dec 78

GROWTH & DEVELOPMENT

Morphological and histochemical studies on the foetal and postnatal ovaries of the field rat (Millardia meltada). Guraya SS, et al. **Acta Morphol Neerl Scand** 16(4):287–304, Nov 78

Morphological changes in the rabbit ovary after active immunization to testosterone. Armstrong RW, et al. **Cell Tissue Res** 193(3):533–42, 30 Oct 78

Follicular growth in fetal and prepubertal ovaries of humans and other primates. Peters H, et al. **Clin Endocrinol Metab** 7(3):469–85, Nov 78 (72 ref.)

Postnatal formation of ovarian stroma and its relation to ovarian pathology. Hughesdon PE. **Int J Gynaecol Obstet** 16(1):8–19, 1978

IMMUNOLOGY

Possibility of immunodiagnosis in ovarian cancer. **Gynecol Obstet Invest** 9(2–3):98–108, 1978

INNERVATION

Circadian organization and female reproductive cyclicity. Stetson MH. **Adv Exp Med Biol** 108:251–74, 1978

Ultrastructure of the cells of the ovarian interstitial gland in hypophysectomized rats. The effects of stimulation of the ovarian plexus and of denervation. Capps ML, et al. **Cell Tissue Res** 193(3):433–42, 30 Oct 78

METABOLISM

Ovarian binding and intrinsic biological activity of desialylated human chorionic gonadothrophin (ASIALO-hCG). Odink J, et al. **Acta Endocrinol (Copenh)** 90(2):349–60, Feb 79

A combined biochemical and histochemical study on steroid metabolism in mouse ovary and ovarian tumours. Snoeijing R, et al. **Acta Histochem [Suppl] (Jena)** 14:119–28, 1975

Morphological and histochemical studies on the foetal and postnatal ovaries of the field rat (Millardia meltada). Guraya SS, et al. **Acta Morphol Neerl Scand** 16(4):287–304, Nov 78

Lack of specific prostaglandin antagonistic effects of 7-oxa-13-prostynoic acid on ovarian metabolism in vitro. Magnusson C, et al. **Acta Physiol Scand** 105(2):239–47, Feb 79

Fetal gonadal endocrine activity and reproductive tract differentiation. Bloch E. **Contrib Gynecol Obstet** 5:21–37, 1979 (76 ref.)

Observations on the determination of fetal sex in early pregnancy. Zondek LH, et al. **Contrib Gynecol Obstet** 5:91–108, 1979 (70 ref.)

Analysis of the yolk proteins in Drosophila melanogaster. Translation in a cell free system and peptide analysis. Bownes M, et al. **FEBS Lett** 96(2):327–30, 15 Dec 78

Effect of luteinizing hormone on the concentration of cyclic GMP in rabbit ovaries. Patwardhan VV, et al. **J Endocrinol** 79(2):251–2, Nov 78

New trends in the problem of sex differentiation. Wolff E. **Med Biol** 56(6):403–6, Dec 78

Dynamic hormonal tests in a case of premature ovarian failure. Asch RH, et al. **South Med J** 72(1):72–4, Jan 79

Gonadotropin receptors and regulation of steroidogenesis in the testis and ovary. Dufau ML, et al. **Vitam Horm** 36:461–592, 1978 (269 ref.)

[Structure and function of steroid active cells in the postmenopausal ovary (electron microscopic and histochemical studies)] Mestwerdt W, et al. **Acta Histochem [Suppl] (Jena)** 14:255–70, 1975 **(Ger)**

[2alpha-Hydroxylation of 5alpha-dihydrotestosterone in the lung of guinea pigs (author's transl)] Lemm U, et al. **Hoppe Seylers Z Physiol Chem** 360(1):35–8, Jan 79 (Eng. Abstr.) **(Ger)**

[Formation of primary prostaglandins E1 and F2 alpha in the uterus and ovary. Studies on plasma concentrations in local blood vessels] Seifert B, et al. **Zentralbl Gynaekol** 100(21):1368–74, 1978 (Eng. Abstr.) **(Ger)**

[Seasonal dynamics of the trace element content in the pollack] Storozhuk AIa, et al. **Biol Nauki** (12):84–8, 1978 **(Rus)**

[Gonadotropic regulation of ovarian function in patients with polycystic ovaries] Dobracheva AD, et al. **Probl Endokrinol (Mosk)** 25(1):19–23, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Ultrastructure of Rickettsia rhipicephali, a new member of the spotted fever group rickettsiae in tissues of the host vector Rhipicephalus sanguineus. Hayes SF, et al. **J Bacteriol** 137(1):605–13, Jan 79

PATHOLOGY

Psammoma bodies in cervico–vaginal smears. Case report and review of the literature. Tutschka BG, et al. **Acta Cytol (Baltimore)** 22(6):507–10, Nov–Dec 78

Hyperthecosis syndrome. Clinical, endocrinologic and histologic findings. Karam K, et al. **Acta Obstet Gynecol Scand** 58(1):73–9, 1979

Diagnostic evaluation of progesterone. Challenge test in amenorrheic patients. Nakano R, et al. **Acta Obstet Gynecol Scand** 58(1):59–64, 1979

Prenatal toxicity of simultaneously administered ethanol and pentobarbital in the rat. Kennedy LA, et al. **Exp Pathol (Jena)** 15(5):250–9, 1978

Chondrosarcoma of the uterus: report of a case and review of the literature. Clement PB. **Hum Pathol** 9(6):726–32, Nov 78

Ovarian myxoma. Majmudar B, et al. **Hum Pathol** 9(6):723–5, Nov 78

XY gonadal dysgenesis [letter] Rushton DI. **Lancet** 1(8109):209, 27 Jan 79

Prevention of compensatory ovarian hypertrophy by local treatment of the ovary with 6–OHDA. Gerendai I, et al. **Neuroendocrinology** 27(5–6):272–8, 1978

[Vaginal needle biopsy in large pelvic tumors for the purpose of histological evaluation. Preliminary study with a proposal for a new biopsy technic employing needles of 2 calibers] Serup J. **Ugeskr Laeger** 141(6):355–7, 5 Feb 79 (Eng. Abstr.) **(Dan)**

PHYSIOLOGY

The concentrations of urinary oestrone–3–glucuronide, LH and pregnanediol–3alpha–glucuronide as indices of ovarian function. Collins WP, et al. **Acta Endocrinol (Copenh)** 90(2):336–48, Feb 79

Circadian organization and female reproductive cyclicity. Stetson MH. **Adv Exp Med Biol** 108:251–74, 1978

Pituitary and placental gonadotrophins and sex steroids in the human and sub–human primate fetus. Kaplan SL, et al. **Clin Endocrinol Metab** 7(3):487–511, Nov 78 (114 ref.)

Neuroendocrinology of the menstrual cycle in humans. Shaw RW. **Clin Endocrinol Metab** 7(3):531–59, Nov 78

Physiologic correlates of puberty. Nelson RM. **Clin Obstet Gynecol** 21(4):1137–49, Dec 78

Cyclic AMP is a likely mediator of ovulation in the tsetse fly. Denlinger DL, et al. **Experientia** 34(10):1296–7, 15 Oct 78

Effects of hypophysectomy on vitellogenesis in the elasmobranch Scyliorhinus canicula L. Craik JC. **Gen Comp Endocrinol** 36(1):63–7, Sep 78

Laparoscopy in zoological medicine. Bush M, et al. **J Am Vet Med Assoc** 173(9):1081–7, 1 Nov 78

Serial transplantation of chemical carcinogen–induced mouse mammary ductal dysplasias. Medina D. **JNCI** 62(2):397–405, Feb 79

Prevention of compensatory ovarian hypertrophy by local treatment of the ovary with 6–OHDA. Gerendai I, et al. **Neuroendocrinology** 27(5–6):272–8, 1978

Effects of adrenalectomy and constant light on the rat estrous cycle. Hoffmann JC. **Neuroendocrinology** 27(5–6):247–56, 1978

The development of the serum corticosterone rhythm in rats. Ramaley JA. **Neuroendocrinology** 27(3–4):97–108, 1978

Induction of persistent estrus by constant light: effects of neonatal constant light and Harderian gland function. Shirama K. **Neuroendocrinology** 27(5–6):193–203, 1978

Systems of life. No. 50. Hormones and homeostasis. Roberts A. **Nurs Times** 75(5):Suppl 50:1–4, 1 Feb 79

Thermal control of mother–young contact in rats. Leon M, et al. **Physiol Behav** 21(5):79O–811, Nov 78

Serum prolactin levels and vaginal cyclicity in concaveated and lactating female rats. Marinari KT, et al. **Physiol Behav** 21(4):525–8, Oct 78

Adrenal and ovarian regulation of salt and sucrose consumption. Seidenstadt RM, et al. **Physiol Behav** 21(3):313–6, Sep 78

Delayed puberty after immunological blockade of endogenous LH–RH in female rats. Bercu BB, et al. **Proc Soc Exp Biol Med** 160(1):123–5, Jan 79

[Enzymatic activity in the uterine musculature of rats after castration and testosterone treatment] Zherev S, et al. **Eksp Med Morfol** 17(4):187–90, 1978 (Eng. Abstr.) **(Bul)**

[Histofluorometric study of catecholamines of the external layer of median eminence in the rabbit (author's transl)] Bensch C, et al. **Ann Endocrinol (Paris)** 39(4):281–302, Jul–Aug 78 (Eng. Abstr.) **(Fre)**

[Scanning electron microscope observations on human fallopian tube epithelium] Orlandini GE, et al. **Boll Soc Ital Biol Sper** 54(1):61–5, 15 Jan 78 **(Ita)**

[Quantitative evaluation of the permeability of the hematofollicular barrier in rats] Ivanova RD, et al. **Akush Ginekol (Mosk)** (12):55–7, Dec 78 **(Rus)**

[Effect of increased pressure on the state of the hypophyseal–adrenal and gonadal systems (experimental data)] Kirillov VF, et al. **Gig Tr Prof Zabol** (1):39–41, 1979 **(Rus)**

[Cytochemical and histoautoradiographic analysis of changes in the epithelium of the submandibular gland of white rats following ovariectomy] Krichevskaia IE. **Probl Endokrinol (Mosk)** 25(1):71–5, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

[Effect of photoperiodic conditions on the hypothalamo–hypophyseal neurosecretory and sexual system of the mink Mustela vison] Iurisova MN, et al. **Zh Evol Biokhim Fiziol** 14(6):559–65, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Day–to–day variations in serum levels of follicle–stimulating hormone and luteinizing hormone in homosexual males. Halbreich U, et al. **Biol Psychiatry** 13(5):541–9, Oct 78

Adolescent secondary amenorrhea: association with hypothalamic hypothyroidism. Kramer MS, et al. **J Pediatr** 94(2):300–3, Feb 79

Endocrine abnormalities associated with chronic renal failure. Lim VS, et al. **Med Clin North Am** 62(6):1341–61, Nov 78 (75 ref.)

Estrogenic effect in vaginal smears in cancer of the uterine cervix. Schreiner P, et al. **Neoplasma** 25(5):637–9, 1978

Pituitary and ovarian function in women with congenitally absent uterus. Ylikorkala O, et al. **Obstet Gynecol** 53(1):137–9, Jan 79

Dynamic hormonal tests in a case of premature ovarian failure. Asch RH, et al. **South Med J** 72(1):72–4, Jan 79

RADIOGRAPHY

Tubal sterilization and ovarian perfusion: selective arteriography in vivo and in vitro. Manzanilla–Sevilla R, et al. **Int J Gynaecol Obstet** 16(2):137–43, 1978–79

SECRETION

Secretion of progesterone during gestation in the rat. Sanyal MK. **J Endocrinol** 79(2):179–90, Nov 78

[Production of estradiol and testosterone in the human ovary during the normal cycle (studied by direct catheterization of the ovarian veins)] Vaticón MD, et al. **Acta Ginecol (Madr)** 33(6):215–24, 15 Oct 78 **(Spa)**

SURGERY

The current status of infertility surgery. Cooke ID. **Clin Obstet Gynaecol** 5(3):591–606, Dec 78 (99 ref.)

Repeat laparotomy as a preclinical diagnostic and therapeutic method for treating ovarian carcinoma. Grönroos M, et al. **Int J Gynaecol Obstet** 16(3):190–3, 1978–79

[Structure and function of steroid active cells in the postmenopausal ovary (electron microscopic and histochemical studies)] Mestwerdt W, et al. **Acta Histochem [Suppl] (Jena)** 14:255–70, 1975 **(Ger)**

[Syndrome of familial polycystic ovaries (Stein–Leventhal type): serum levels of luteinizing and follicle stimulating hormones before and after wedge resection of the ovaries] Toledo SP, et al. **AMB** 23(3):79–82, May 77 (Eng. Abstr.) **(Por)**

ULTRASTRUCTURE

Ultrastructure of the collagen fibril. I. Some features of the structure of the collagen fibril. Petkov R. **Anat Anz** 144(4):301–18, Sep 78

Pure Sertoli cell tumour of the ovary: report of a case with ultrastructural observations. Harris M, et al.

Histopathology 2(6):449–59, Nov 78

Ultrastructural and enzyme histochemical study of ovarian hilar cells in women and their relationships with sympathetic nerves. Laffargue P, et al. **Hum Pathol** 9(6):649–59, Nov 78

Temporal changes in ovarian steroid-17alpha-hydroxylase in immature rats treated with pregnant mare's serum gonadotropin. Johnson DC. **Proc Soc Exp Biol Med** 159(3):484–7, Dec 78

[Structure and function of steroid active cells in the postmenopausal ovary (electron microscopic and histochemical studies)] Mestwerdt W, et al. **Acta Histochem [Suppl] (Jena)** 14:255–70, 1975 **(Ger)**

THECA CELLS

ENZYMOLOGY

On the localization of lactate dehydrogenase in the ovaries and reproductive tracts of rats and mice. Brinkworth RI, et al. **Mech Ageing Dev** 8(5):299–310, Nov 78

METABOLISM

Morphological and histochemical studies on the foetal and postnatal ovaries of the field rat (Millardia meltada). Guraya SS, et al. **Acta Morphol Neerl Scand** 16(4):287–304, Nov 78

PATHOLOGY

Triploidy syndrome with theca lutein cysts and severe pre-eclampsia. Lewis PE, et al. **Am J Obstet Gynecol** 133(1):110–1, 1 Jan 79

ULTRASTRUCTURE

Ultrastructure of the cells of the ovarian interstitial gland in hypophysectomized rats. The effects of stimulation of the ovarian plexus and of denervation. Capps ML, et al. **Cell Tissue Res** 193(3):433–42, 30 Oct 78

Testis

LEYDIG CELLS

Ectopic Leydig cells in a seminiferous tubules of an infertile human male with a chromosomal aberration. Mori H, et al. **Andrologia** 10(6):434–43, Nov–Dec 78

Leydig cells within the lamina propria of seminiferous tubules in four patients with azoospermia. Schulze C, et al. **Andrologia** 10(6):444–52, Nov–Dec 78

CYTOLOGY

Attrition of the human Leydig cell population with advancing age. Kaler LW, et al. **Anat Rec** 192(4):513–8, Dec 78

DRUG EFFECTS

Effects of testosterone enanthate on the structure of the male reproductive tract of the rat. Flickinger C. **Anat Rec** 192(4):555–84, Dec 78

Androgenic status of males with systemic lupus erythematosus. Stahl NI, et al. **Arthritis Rheum** 21(6):665–8, Jul–Aug 78

Recognition of the beta-subunit of human chorionic gonadotropin and sub-determinants by target tissue receptors. Ramakrishnan S, et al. **Biochem J** 176(2):599–602, 15 Nov 78

Morphometric study of the reversibility of testicle alterations in rats submitted to hypervitaminosis A. Lamano Carvalho TL, et al. **Int J Vitam Nutr Res** 48(4):316–24, 1978

Morphometric study of testicle alterations in rats submitted to hypervitaminosis A. Lamano Carvalho TL, et al. **Int J Vitam Nutr Res** 48(4):307–15, 1978

A hybrid protein containing the toxic subunit of ricin and the cell-specific subunit of human chorionic gonadotropin. II. Biologic properties. Oeltmann TN, et al. **J Biol Chem** 254(4):1028–32, 25 Feb 79

Hormonal regulation of Leydig cell function. Purvis K, et al. **Mol Cell Endocrinol** 12(2):123–38, Nov 78 (65 ref.)

Human chorionic gonadotropin-induced Leydig cell refractoriness to gonadotropin stimulation. Saez JM, et al. **Mol Pharmacol** 14(6):1054–62, Nov 78

Conversion of progesterone to testosterone in the rat Leydig cell. Gnodde HP, et al. **Proc Soc Exp Biol Med** 160(1):130–3, Jan 79

ENZYMOLOGY

[Androgen activity of dysgenesic rats' testis. Histochemical, ultrastructural studies and radioimmunoassay of testosterone] Vanhems E, et al. **Ann Endocrinol (Paris)** 39(5):393–402, 1978 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

H-Y antigen in testes of XX(BALB)/XY (C3H) chimaeric male mouse. Ohno S, et al. **Arch Androl** 1(1):103–9, 1978

Studies on H-Y antigen in different cell fractions of the testis during pubescence: immature germ cells are H-Y antigen negative. Zenzes MT, et al. **Hum Genet** 45(3):297–303, 29 Dec 78

METABOLISM

LH receptors and Leydig cell responsiveness to hCG in vitro. Purvis K, et al. **Arch Androl** 1(4):299–310, Sep 78

Recognition of the beta-subunit of human chorionic gonadotropin and sub-determinants by target tissue receptors. Ramakrishnan S, et al. **Biochem J** 176(2):599–602, 15 Nov 78

Effect of hormones on the human fetal prostate. Zondek LH, et al. **Contrib Gynecol Obstet** 5:145–58, 1979 (34 ref.)

Observations on the determination of fetal sex in early pregnancy. Zondek LH, et al. **Contrib Gynecol Obstet** 5:91–108, 1979 (70 ref.)

A hybrid protein containing the toxic subunit of ricin and the cell-specific subunit of human chorionic gonadotropin. II. Biologic properties. Oeltmann TN, et al. **J Biol Chem** 254(4):1028–32, 25 Feb 79

Age-related changes in reproductive hormones and in Leydig cell responsivity in the male Fischer 344 rat. Bethea CL, et al. **J Gerontol** 34(1):21–7, Jan 79

Human chorionic gonadotropin-induced Leydig cell refractoriness to gonadotropin stimulation. Saez JM, et al. **Mol Pharmacol** 14(6):1054–62, Nov 78

Conversion of progesterone to testosterone in the rat Leydig cell. Gnodde HP, et al. **Proc Soc Exp Biol Med** 160(1):130–3, Jan 79

PATHOLOGY

Morphometric study of testicle alterations in rats submitted to hypervitaminosis A. Lamano Carvalho TL, et al. **Int J Vitam Nutr Res** 48(4):307–15, 1978

Morphometric study of the reversibility of testicle alterations in rats submitted to hypervitaminosis A. Lamano Carvalho TL, et al. **Int J Vitam Nutr Res** 48(4):316–24, 1978

PHYSIOLOGY

Androgenic status of males with systemic lupus erythematosus. Stahl NI, et al. **Arthritis Rheum** 21(6):665–8, Jul–Aug 78

Age-related changes in reproductive hormones and in Leydig cell responsivity in the male Fischer 344 rat. Bethea CL, et al. **J Gerontol** 34(1):21–7, Jan 79

Hormonal regulation of Leydig cell function. Purvis K, et al. **Mol Cell Endocrinol** 12(2):123–38, Nov 78 (65 ref.)

SECRETION

Age-related changes in reproductive hormones and in Leydig cell responsivity in the male Fischer 344 rat. Bethea CL, et al. **J Gerontol** 34(1):21–7, Jan 79

[Effect of ductus deferens transsection on the spermatogenic and hormonal function of the testicles] Pachman A. **Wiad Lek** 31(23):1689–91, 1 Dec 78 **(Pol)**

ULTRASTRUCTURE

Attrition of the human Leydig cell population with advancing age. Kaler LW, et al. **Anat Rec** 192(4):513–8, Dec 78

Ectopic Leydig cells in a seminiferous tubules of an infertile human male with a chromosomal aberration. Mori H, et al. **Andrologia** 10(6):434–43, Nov–Dec 78

Leydig cells within the lamina propria of seminiferous tubules in four patients with azoospermia. Schulze C, et al. **Andrologia** 10(6):444–52, Nov–Dec 78

Testicular biopsy of secretory azoospermia: electron and light microscopic analysis. Camatini M, et al. **Arch Androl** 1(4):281–9, Sep 78

Cellular interrelationships in the fetal rabbit testis. Gondos B, et al. **Arch Androl** 1(1):19–30, 1978

H-Y antigen in testes of XX(BALB)/XY (C3H) chimaeric male mouse. Ohno S, et al. **Arch Androl** 1(1):103–9, 1978

Early ultrastructural changes in the rat testis after ductuli efferentes ligation. Anton E. **Fertil Steril** 31(2):187–94, Feb 79

Ultrastructural study of gonads in the complete and incomplete feminization syndrome. Millonig G, et al. **Gynecol Obstet Invest** 9(1):16–31, 1978

Endocrine function and reproductive impairment in an irradiated population of the lizard Uta stansburiana. Pearson AK, et al. **Radiat Res** 76(3):610–23, Dec 78

[Androgen activity of dysgenesic rats' testis. Histochemical, ultrastructural studies and radioimmunoassay of testosterone] Vanhems E, et al. **Ann Endocrinol (Paris)** 39(5):393–402, 1978 (Eng. Abstr.) **(Fre)**

SERTOLI CELLS

Cytological changes in the testes of vitamin-A-deficient rats. I. Quantitation of germinal cells in the seminiferous tubules. Mitranond V, et al. **Acta Anat (Basel)** 103(2):159–68, 1979

DRUG EFFECTS

Metabolic responses of Sertoli cells in culture to various concentrations of follicle stimulating hormone and cholera toxin. Fritz IB, et al. **Can J Biochem** 56(9):875–9, Sep 78

Protein kinase inhibitor in sertoli cell-enriched rat testis.

Specific regulation by follicle-stimulating hormone. Tash JS, et al. **J Biol Chem** 254(4):1241-7, 25 Feb 79

ENZYMOLOGY

Fine structure and cytochemistry of the morphogenesis of round-headed human sperm. Castellani L, et al. **Arch Androl** 1(4):291-7, Sep 78

IMMUNOLOGY

H-Y antigen in testes of XX(BALB)/XY (C3H) chimaeric male mouse. Ohno S, et al. **Arch Androl** 1(1):103-9, 1978

METABOLISM

Cytochemical localization of cations in the testis of the Syrian hamster, utilizing potassium-pyroantimonate. Gravis CJ. **Am J Anat** 154(2):245-65, Feb 79

Metabolic responses of Sertoli cells in culture to various concentrations of follicle stimulating hormone and cholera toxin. Fritz IB, et al. **Can J Biochem** 56(9):875-9, Sep 78

PHYSIOLOGY

Protein kinase inhibitor in sertoli cell-enriched rat testis. Specific regulation by follicle-stimulating hormone. Tash JS, et al. **J Biol Chem** 254(4):1241-7, 25 Feb 79

SECRETION

[Effect of ductus deferens transsection on the spermatogenic and hormonal function of the testicles] Pachman A. **Wiad Lek** 31(23):1689-91, 1 Dec 78 **(Pol)**

ULTRASTRUCTURE

Cytological changes in the testes of vitamin-A-deficient rats. II. Ultrastructural study of the seminiferous tubules. Sobhon P, et al. **Acta Anat (Basel)** 103(2):169-83, 1979

Characterization of Sertoli cell-germ cell junctional specializations in dissociated testicular cells. Romrell LJ, et al. **Anat Rec** 193(1):23-41, Jan 79

Ectopic Leydig cells in a seminiferous tubules of an infertile human male with a chromosomal aberration. Mori H, et al. **Andrologia** 10(6):434-43, Nov-Dec 78

Leydig cells within the lamina propria of seminiferous tubules in four patients with azoospermia. Schulze C, et al. **Andrologia** 10(6):444-52, Nov-Dec 78

Testicular biopsy of secretory azoospermia: electron and light microscopic analysis. Camatini M, et al. **Arch Androl** 1(4):281-9, Sep 78

Fine structure and development of Sertoli junctions in human testis. Furuya S, et al. **Arch Androl** 1(3):211-9, May 78

Cellular interrelationships in the fetal rabbit testis. Gondos B, et al. **Arch Androl** 1(1):19-30, 1978

H-Y antigen in testes of XX(BALB)/XY (C3H) chimaeric male mouse. Ohno S, et al. **Arch Androl** 1(1):103-9, 1978

Early ultrastructural changes in the rat testis after ductuli efferentes ligation. Anton E. **Fertil Steril** 31(2):187-94, Feb 79

Ultrastructural studies on testicular biopsies from eighteen cases of hypospermatogenesis. Narbaitz R, et al. **Fertil Steril** 30(6):679-86, Dec 78

Ultrastructural study of gonads in the complete and incomplete feminization syndrome. Millonig G, et al. **Gynecol Obstet Invest** 9(1):16-31, 1978

Development of Sertoli cell junctions in vitro--a freeze-fracture study. Meyer R, et al. **In Vitro** 14(11):916-23, Nov 78

TESTIS

The physician's role in radiation protection. Guyther JR. **Am Fam Physician** 18(6):103-6, Dec 78

Effect of vasectomy on thyroid function. Goldman M, et al. **Res Commun Chem Pathol Pharmacol** 22(2):423-6, Nov 78

[Isolation of arachidonic acid by a thin-layer chromatographic method] Maksimova TV, et al. **Farmatsiia** 28(1):235, Jan-Feb 79 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Men with a distinct testicular hypoplasia: sexual development and activity. Raboch J, et al. **Andrologia** 11(1):19-24, Jan 79

Breed differences in abnormalities of the reproductive organs of young beef bulls. Chenoweth PJ, et al. **Aust Vet J** 54(10):463-8, Oct 78

Abnormalities of the Müllerian and Wolffian duct systems. Sarto GE, et al. **Birth Defects** 14(6C):37-54, 1978 (73 ref.)

Seminiferous tubule hypercurvature: A newly recognised common syndrome of human male infertility. Averback P, et al. **Lancet** 1(8109):181-3, 27 Jan 79

More on marker X chromosomes, mental retardation and macro-orchidism [letter] Jacobs PA, et al. **N Engl J Med** 300(13):737-8, 29 Mar 79

Testicular regression syndrome. Coulam CB. **Obstet Gynecol** 53(1):44-9, Jan 79

[Urological problems and genesis of the abdominal musculature aplasia syndrome] Kösters S, et al. **Z Urol Nephrol** 71(12):865-74, Dec 78 (Eng. Abstr.)**(Ger)**

ANALYSIS

Carnitine levels in human accessory sex organs. Bøhmer T, et al. **Arch Androl** 1(1):53-9, 1978

Endocrinological and physiological features after steroid treatment of male rats. Hunt DM, et al. **Arch Androl** 1(4):311-20, Sep 78

A rapid chromatographic method for the determination of omega-N-methylarginines in protein and muscle tissues. Zarkadas CG. **Can J Biochem** 56(10):952-7, Oct 78

Organization in vitro of ovarian cells into testicular structures. Zenzes MT, et al. **Hum Genet** 44(3):333-8, 16 Nov 78

A subset of trout testis nucleosomes enriched in transcribed DNA sequences contains high mobility group proteins as major structural components. Levy BW, et al. **J Biol Chem** 254(3):609-20, 10 Feb 79

Free ubiquitin is a non-histone protein of trout testis chromatin. Watson DC, et al. **Nature** 276(5684):196-8, 9 Nov 78

The role of testicular adenylate cyclase in the hypogonadism of renal insufficiency. Kreusser W, et al. **Proc Eur Dial Transplant Assoc** 15:622-4, 1978

Gonadal luteinizing hormone receptors and adenylate cyclase: transfer of functional ovarian luteinizing hormone receptors to adrenal fasciculata cells. Dufau ML, et al. **Proc Natl Acad Sci USA** 75(10):4769-73, Oct 78

ANATOMY & HISTOLOGY

Seasonal fluctuations in the testicular asymmetry of birds. Dang HR, et al. **Acta Morphol Acad Sci Hung** 26(1):1-2, 1978

The role of the epididymis in descensus testis and the topographical relationship between the testis and epididymis from the sixth month of pregnancy until immediately after birth. Hadžiselimović F, et al. **Anat Embryol (Berl)** 155(2):191-6, 30 Jan 79

Species differences in contractility of seminiferous tubules and tunica albuginea as related to sperm transport through the testis. Ellis LC, et al. **Arch Androl** 1(2):139-46, 1978

A new orchidometer. Nahoum CR. **Arch Androl** 1(4):355-9, Sep 78

Effects of testosterone on the testes of sexually quiescent pheasants: evidence for a negative feedback mechanism. Purohit VD, et al. **Br Poult Sci** 19(6):709-12, Nov 78

Effect of acute and chronic elevated air temperatures, constant (34 degrees) and cyclic (10--34 degrees), on brain and heart norepinephrine of male Japanese quail. Braganza A, et al. **Gen Comp Endocrinol** 36(2):233-7, Oct 78

Effects of sex steroids on plasma calcium levels in male killifish, Fundulus heteroclitus. Pang PK, et al. **Gen Comp Endocrinol** 36(2):317-20, Oct 78

Effects of stressful conditions on the development and movement of reproductive cells in Schistosoma japonicum. Kolzow RG, et al. **J Parasitol** 64(6):994-7, Dec 78

Physiology of the male reproductive system. Jenkins AD, et al. **Urol Clin North Am** 5(3):437-50, Oct 78

[Effect of early social deprivation and lack of sexual experience on sexual maturation of male mice (author's transl)] Jean-Faucher C, et al. **Physiol Behav** 21(4):491-6, Oct 78 (Eng. Abstr.) **(Fre)**

[The functional morphology of the rete testis. tubuli recti and terminal segments of the semeniferous tubules in the mature bull] Wrobel KH, et al. **Anat Histol Embryol** 7(4):320-35, Dec 78 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Right-sided varicocele associated with situs inversus. Sayfan J, et al. **Fertil Steril** 30(6):716-8, Dec 78

Testicular steroid secretion in response to GnRH-mediated LH and FSH release in bulls. Schanbacher BD, et al. **J Anim Sci** 47(2):514-20, Aug 78

Portal circulations and their relation to counter-current systems. Henderson JR, et al. **Q J Exp Physiol** 63(4):355-69,

Oct 78

Testicular blood flow and plasma testosterone concentrations in anesthetized rats previously exposed to air at 6 ATA. Röckert HO, et al. **Undersea Biomed Res** 5(4):355–61, Dec 78

Role of microsurgery in orchiopexy. Romas NA, et al. **Urology** 12(6):670–3, Dec 78

CYTOLOGY

Intraepithelial lymphocytes in the excurrent ducts of the testis of the domestic fowl (Gallus domesticus). Aire TA, et al. **Acta Anat (Basel)** 103(2):142–9, 1979

Morphological and quantitative analysis of spermatogonia in mouse testes using whole mounted seminiferous tubules, I. The normal testes. Huckins C, et al. **Anat Rec** 192(4):519–28, Dec 78

Morphological and quantitative analysis of spermatogonia in mouse testes using whole mounted seminiferous tubules. II. The irradiated testes. Huckins C, et al. **Anat Rec** 192(4):529–42, Dec 78

Epididymal sperm reserve in Buffalo–bulls (Bubalus bubalis). Sharma AK, et al. **Andrologia** 10(6):479–83, Nov–Dec 78

Macrophages, a normal component in seasonally involuting testes of the swan, Cygnus olor. Breucker H. **Cell Tissue Res** 193(3):463–71, 30 Oct 78

Studies on H–Y antigen in different cell fractions of the testis during pubescence: immature germ cells are H–Y antigen negative. Zenzes MT, et al. **Hum Genet** 45(3):297–303, 29 Dec 78

DRUG EFFECTS

Comparative toxicity of trivalent and hexavalent chromium to rabbits. III. Biochemical and histological changes in testicular tissue. Behari J, et al. **Acta Biol Med Ger** 37(3):463–8, 1978

Changes in the plasma levels of androstenedione, dehydroepiandrosterone and cortisol after stimulation with ACTH and hCG and suppression with dexamethasone during male puberty. Herrera–Justiniano E, et al. **Acta Endocrinol (Copenh)** 90(1):113–21, Jan 79

Effects of testosterone enanthate on the structure of the male reproductive tract of the rat. Flickinger C. **Anat Rec** 192(4):555–84, Dec 78

Effects of pipecolinomethylhydroxyindane on testicular and adrenocortical function in rats. Kinson GA. **Arch Androl** 1(2):185–91, 1978

Androgenic status of males with systemic lupus erythematosus. Stahl NI, et al. **Arthritis Rheum** 21(6):665–8, Jul–Aug 78

Effect of cytosol fractions from lutropin–stimulated rat testes on pregnenolone production by mitochondria from normal rat testes. Bakker CP, et al. **Biochim Biophys Acta** 543(2):235–42, 3 Oct 78

Effects of testosterone on the testes of sexually quiescent pheasants: evidence for a negative feedback mechanism. Purohit VD, et al. **Br Poult Sci** 19(6):709–12, Nov 78

Testicular delta5–3beta–hydroxysteroid dehydrogenase, ascorbic acid and dehydroascorbic acid in actinomycin D–treated toads. Biswas NM, et al. **Experientia** 34(12):1652–3, 15 Dec 78

Effect of borax on testis of Indian desert gerbil, Meriones hurriane Jerdon. Sharma MP, et al. **Experientia** 34(10):1374–5, 15 Oct 78

Gonadal function in males treated with cyclophosphamide for nephrotic syndrome. Hsu AC, et al. **Fertil Steril** 31(2):173–7, Feb 79

Studies on the purification and properties of gonadotrophin from ventral lobes of the pituitary gland of the dogfish (Scyliorhinus canicula L.). Sumpter JP, et al. **Gen Comp Endocrinol** 36(2):264–74, Oct 78

Gonadotrophic hormone in the pituitary gland of the dogfish (Scyliorhinus canicula L): distribution and physiological significance. Sumpter JP, et al. **Gen Comp Endocrinol** 36(2):275–85, Oct 78

Effects of follicle–stimulating hormone and testosterone on receptors of follicle–stimulating hormone in the testis of the immature Japanese quail. Tsutsui K, et al. **Gen Comp Endocrinol** 36(2):297–305, Oct 78

Morphometric study of testicle alterations in rats submitted to hypervitaminosis A. Lamano Carvalho TL, et al. **Int J Vitam Nutr Res** 48(4):307–15, 1978

Morphometric study of the reversibility of testicle alterations in rats submitted to hypervitaminosis A. Lamano Carvalho TL, et al. **Int J Vitam Nutr Res** 48(4):316–24, 1978

Studies on the destruction of adrenal and testicular cytochrome P–450 by spironolactone. Requirement for the 7alpha–thio group and evidence for the loss of the heme and apoproteins of cytochrome P–450. Menard RH, et al. **J Biol Chem** 254(5):1726–33, 10 Mar 79

Protein kinase inhibitor in sertoli cell–enriched rat testis. Specific regulation by follicle–stimulating hormone. Tash JS, et al. **J Biol Chem** 254(4):1241–7, 25 Feb 79

Effect of ascorbic acid on oxygen consumption, glycolysis and lipid metabolism of diabetic rat testis. Ascorbic acid and diabetes, I. Sharaf AA, et al. **J Clin Chem Clin Biochem** 16(12):651–5, Dec 78

Effects of ethanol on the hypothalamic–pituitary–luteinizing hormone axis and testicular steroidogenesis. Cicero TJ, et al. **J Pharmacol Exp Ther** 208(2):210–5, Feb 79

The effect of alcohol ingestion on hepatic aromatase activity and plasma steroid hormones in the rat. Gordon GG, et al. **Metabolism** 28(1):20–4, Jan 79

Human chorionic gonadotropin–induced Leydig cell refractoriness to gonadotropin stimulation. Saez JM, et al. **Mol Pharmacol** 14(6):1054–62, Nov 78

Sexual differentiation of offspring of mothers treated with cortisone during pregnancy. Dahlöf LG, et al. **Physiol Behav** 21(4):673–4, Oct 78

The oral toxicity of 1–amino–3–chloro–propanol hydrochloride (CL 88236) in rats. James RW, et al. **Toxicology** 11(3):235–43, Nov 78

Effects of cannabinoids on reproduction and development. Bloch E, et al. **Vitam Horm** 36:203–58, 1978 (236 ref.)

[Androgen activity of dysgenesic rats' testis. Histochemical, ultrastructural studies and radioimmunoassay of testosterone] Vanhems E, et al. **Ann Endocrinol (Paris)** 39(5):393–402, 1978 (Eng. Abstr.) **(Fre)**

[Effect of the organochlorine pesticides, kelthane and the gamma isomer of HCCH, on the activity of enzymes and their isoenzymes in rat testes] Bogatykh TA, et al. **Gig Sanit** (2):16–9, Feb 79 (Eng. Abstr.) **(Rus)**

[Cytological studies of the gonadotoxic action of a complex of substances that migrate from enamelware intended for contact with food products] Ivanov IuV, et al. **Gig Sanit** (2):19–24, Feb 79 (Eng. Abstr.) **(Rus)**

[Experimental study of the gonadotropic action of strontium hydroxide] Silaev AA, et al. **Gig Tr Prof Zabol** (1):43–4, 1979 **(Rus)**

EMBRYOLOGY

The role of the epididymis in descensus testis and the topographical relationship between the testis and epididymis from the sixth month of pregnancy until immediately after birth. Hadžiselimović F, et al. **Anat Embryol (Berl)** 155(2):191–6, 30 Jan 79

Gonadotrophic hormones and testicular descent. Colenbrander B, et al. **Arch Androl** 1(2):131–7, 1978

H–Y antigen and abnormal sex differentiation. Wachtel SS, et al. **Birth Defects** 14(6C):1–7, 1978 (19 ref.)

Fetal gonadal endocrine activity and reproductive tract differentiation. Bloch E. **Contrib Gynecol Obstet** 5:21–37, 1979 (76 ref.)

Observations on the determination of fetal sex in early pregnancy. Zondek LH, et al. **Contrib Gynecol Obstet** 5:91–108, 1979 (70 ref.)

New trends in the problem of sex differentiation. Wolff E. **Med Biol** 56(6):403–6, Dec 78

Testicular regression syndrome. Coulam CB. **Obstet Gynecol** 53(1):44–9, Jan 79

Physiology of the male reproductive system. Jenkins AD, et al. **Urol Clin North Am** 5(3):437–50, Oct 78

[Hormone of mullerian regression, inducing agent of the testis in chick embryo] Stoll R, et al. **Bull Assoc Anat (Nancy)** 62(176):131–43, Mar 78 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Comparative toxicity of trivalent and hexavalent chromium to rabbits. III. Biochemical and histological changes in testicular tissue. Behari J, et al. **Acta Biol Med Ger** 37(3):463–8, 1978

Histochemical studies of testicular delta5–3beta–hydroxysteroid dehydrogenase and 17beta–hydroxysteroid dehydrogenase after chronic indomethacin administration in rats pretreated with clomiphene–citrate. Sanyal S, et al. **Andrologia** 11(1):51–6, Jan 79

Fine structure and cytochemistry of the morphogenesis of round–headed human sperm. Castellani L, et al. **Arch Androl** 1(4):291–7, Sep 78

Origin of maltase and variations in infertile men. Chapdelaine P, et al. **Arch Androl** 1(1):61–8, 1978

Effect of borax on testis of Indian desert gerbil, Meriones hurriane Jerdon. Sharma MP, et al. **Experientia** 34(10):1374–5, 15 Oct 78

Studies on the destruction of adrenal and testicular

cytochrome P-450 by spironolactone. Requirement for the 7alpha-thio group and evidence for the loss of the heme and apoproteins of cytochrome P-450. Menard RH, et al. **J Biol Chem** 254(5):1726-33, 10 Mar 79

Protein kinase inhibitor in sertoli cell-enriched rat testis. Specific regulation by follicle-stimulating hormone. Tash JS, et al. **J Biol Chem** 254(4):1241-7, 25 Feb 79

[Effect of the organochlorine pesticides, kelthane and the gamma isomer of HCCH, on the activity of enzymes and their isoenzymes in rat testes] Bogatykh TA, et al. **Gig Sanit** (2):16-9, Feb 79 (Eng. Abstr.) **(Rus)**

[Antiandrogenic effects of 4-nitro-3-trifluoromethylisobutyrylanilide (niftolide) in prepubertal male rats during stimulation with exogenous gonadotropins] Varga SV, et al. **Probl Endokrinol (Mosk)** 25(1):52-7, Jan-Feb 79 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

[Role of the infundibular complex and its neural afferents in the photosexual reflex in the quail] Oliver J, et al. **C R Acad Sci [D] (Paris)** 287(8):825-7, 9 Oct 78 (Eng. Abstr.)

Effects of follicle-stimulating hormone and testosterone on receptors of follicle-stimulating hormone in the testis of the immature Japanese quail. Tsutsui K, et al. **Gen Comp Endocrinol** 36(2):297-305, Oct 78

Protein kinase inhibitor in sertoli cell-enriched rat testis. Specific regulation by follicle-stimulating hormone. Tash JS, et al. **J Biol Chem** 254(4):1241-7, 25 Feb 79

The effect of alcohol ingestion on hepatic aromatase activity and plasma steroid hormones in the rat. Gordon GG, et al. **Metabolism** 28(1):20-4, Jan 79

[Action of the testosterone treated chicken testis on the regression of the Müllerian duct] Maraud R, et al. **C R Soc Biol (Paris)** 172(3):446-9, 1978 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Implications of heterophile antigens in immunological infertility in males. Eyquem A, et al. **Arch Androl** 1(3):241-8, May 78

Experimental orchitis induced in rats by passive transfer of an antiserum to seminiferous tubule basement membrane. Lustig L, et al. **Arch Androl** 1(4):333-43, Sep 78

H-Y antigen in testes of XX(BALB)/XY (C3H) chimaeric male mouse. Ohno S, et al. **Arch Androl** 1(1):103-9, 1978

Immunoglobulin deposits and testis tubular membrane pathology in human sterility. Vu Van H, et al. **Arch Androl** 1(4):351-3, Sep 78

The testis as a secretory organ for H-Y antigen. Müller U, et al. **Hum Genet** 45(2):209-13, 18 Dec 78

Studies on H-Y antigen in different cell fractions of the testis during pubescence: immature germ cells are H-Y antigen negative. Zenzes MT, et al. **Hum Genet** 45(3):297-303, 29 Dec 78

[Allergic orchitis in animals caused by streptococcal sensitization] Ogurtsov RP, et al. **Arkh Patol** 40(12):23-9, 1978 (Eng. Abstr.) **(Rus)**

INJURIES

[Traumatic amputation of the testicle. Successful reimplantation using microsurgery (author's transl)] Rodriguez Costa A, et al. **An Esp Pediatr** 11(12):865-7, Dec 78 (Eng. Abstr.) **(Spa)**

METABOLISM

Cytochemical localization of cations in the testis of the Syrian hamster, utilizing potassium-pyroantimonate. Gravis CJ. **Am J Anat** 154(2):245-65, Feb 79

Effect of ultrasound on testicular electrolytes (sodium and potassium). Fahim MS, et al. **Arch Androl** 1(2):179-84, 1978

Effects of pipecolinomethylhydroxyindane on testicular and adrenocortical function in rats. Kinson GA. **Arch Androl** 1(2):185-91, 1978

The influence of temperature upon polysomes of spermatids of rat testes. Nakamura M, et al. **Biochem Biophys Res Commun** 85(2):756-61, 29 Nov 78

Number and frequency of protamine genes in rainbow trout testis. Sakai M, et al. **Biochemistry** 17(25):5510-5, 12 Dec 78

Effect of cytosol fractions from lutropin-stimulated rat testes on pregnenolone production by mitochondria from normal rat testes. Bakker CP, et al. **Biochim Biophys Acta** 543(2):235-42, 3 Oct 78

Fetal gonadal endocrine activity and reproductive tract differentiation. Bloch E. **Contrib Gynecol Obstet** 5:21-37, 1979 (76 ref.)

Observations on the determination of fetal sex in early pregnancy. Zondek LH, et al. **Contrib Gynecol Obstet** 5:91-108, 1979 (70 ref.)

Testicular delta5-3beta-hydroxysteroid dehydrogenase, ascorbic acid and dehydroascorbic acid in actinomycin D-treated toads. Biswas NM, et al. **Experientia** 34(12):1652-3, 15 Dec 78

In vitro secretion and hydroxylation of alpha-ecdysone as a function of the crustacean molt cycle. Chang ES, et al. **Gen Comp Endocrinol** 36(1):151-10, Sep 78

Studies on the immunochemical relatedness among tetrapod gonadotropins and their subunits with antisera to sea turtle hormones. Licht P. **Gen Comp Endocrinol** 36(1):68-78, Sep 78

Effects of follicle-stimulating hormone and testosterone on receptors of follicle-stimulating hormone in the testis of the immature Japanese quail. Tsutsui K, et al. **Gen Comp Endocrinol** 36(2):297-305, Oct 78

Appearance of hCG-receptor after conversion of newborn ovarian cells into testicular structures by H-Y antigen in vitro. Müller U, et al. **Hum Genet** 45(2):203-7, 18 Dec 78

Improvement in the fertility of streptozotocin-diabetic male rats following treatment with insulin and human chrionic gonadotropin. Paz G, et al. **Isr J Med Sci** 14(10):1073-8, Oct 78

Effect of ascorbic acid on oxygen consumption, glycolysis and lipid metabolism of diabetic rat testis. Ascorbic acid and diabetes, I. Sharaf AA, et al. **J Clin Chem Clin Biochem** 16(12):651-5, Dec 78

Age-related changes in reproductive hormones and in Leydig cell responsivity in the male Fischer 344 rat. Bethea CL, et al. **J Gerontol** 34(1):21-7, Jan 79

Effects of ethanol on the hypothalamic-pituitary-luteinizing hormone axis and testicular steroidogenesis. Cicero TJ, et al. **J Pharmacol Exp Ther** 208(2):210-5, Feb 79

The facilitated diffusion of testosterone into the rete testis of the ram [proceedings] Main SJ, et al. **J Physiol (Lond)** 284:17P-18P, Nov 78

New trends in the problem of sex differentiation. Wolff E. **Med Biol** 56(6):403-6, Dec 78

Human chorionic gonadotropin-induced Leydig cell refractoriness to gonadotropin stimulation. Saez JM, et al. **Mol Pharmacol** 14(6):1054-62, Nov 78

Microautoradiographic studies on the cellular localization of radiothallium. Som P, et al. **Nuklearmedizin** 17(6):266-9, Dec 78

Gonadotropin receptors and regulation of steroidogenesis in the testis and ovary. Dufau ML, et al. **Vitam Horm** 36:461-592, 1978 (269 ref.)

Cyclic nucleotide concentrations in relation to renal growth and hypertrophy. Solomon S, et al. **Yale J Biol Med** 51(3):373-9, May-Jun 78

[Effect of early social deprivation and lack of sexual experience on sexual maturation of male mice (author's transl)] Jean-Faucher C, et al. **Physiol Behav** 21(4):491-6, Oct 78 (Eng. Abstr.) **(Fre)**

[2alpha-Hydroxylation of 5alpha-dihydrotestosterone in the lung of guinea pigs (author's transl)] Lemm U, et al. **Hoppe Seylers Z Physiol Chem** 360(1):35-8, Jan 79 (Eng. Abstr.) **(Ger)**

[Hypergonadotropic hypogonadism in kidney failure--a consequence of disorders of testicular cyclic AMP formation] Kreusser W, et al. **Verh Dtsch Ges Inn Med** (84):1446-8, 1978 **(Ger)**

[Seasonal dynamics of the trace element content in the pollack] Storozhuk AIa, et al. **Biol Nauki** (12):84-8, 1978 **(Rus)**

MICROBIOLOGY

Testicular pathology of Merino rams. Watt DA. **Aust Vet J** 54(10):473-8, Oct 78

Bovine adenoviruses. I. Characterization and serological classification as types 4 of two isolates from latently infected calf testicles. Bürki F, et al. **Zentralbl Veterinaermed [B]** 25(7):555-65, Sep 78

Bovine adenoviruses. II. Electron microscopic studies and ultrastructural classification of strains AKB and 37/67. Sibalin M, et al. **Zentralbl Veterinaermed [B]** 25(7):566-75, Sep 78

PATHOLOGY

Cytological changes in the testes of vitamin-A-deficient rats. I. Quantitation of germinal cells in the seminiferous tubules. Mitranond V, et al. **Acta Anat (Basel)** 103(2):159-68, 1979

Comparative toxicity of trivalent and hexavalent chromium to rabbits. III. Biochemical and histological changes in testicular tissue. Behari J, et al. **Acta Biol Med Ger** 37(3):463-8, 1978

Carcinoma-in-situ of testis in testicular feminization syndrome. Skakkebaek NE. **Acta Pathol Microbiol Scand [A]** 87(1):87–9, Jan 79

The relationship between plasma FSH, testosterone levels and testicular histology in males with azoospermia. Bablok L, et al. **Andrologia** 10(6):502–5, Nov–Dec 78

Effects on rabbit spermatogenesis following orthostatic collapse. Light microscope qualitative and quantitative studies. Billis A. **Andrologia** 10(6):491–7, Nov–Dec 78

Ectopic Leydig cells in a seminiferous tubules of an infertile human male with a chromosomal aberration. Mori H, et al. **Andrologia** 10(6):434–43, Nov–Dec 78

Leydig cells within the lamina propria of seminiferous tubules in four patients with azoospermia. Schulze C, et al. **Andrologia** 10(6):444–52, Nov–Dec 78

Prolactin in azoospermic men and its relation to testicular morphology, serum testosterone and gonadotrophin levels. Suominen JJ, et al. **Andrologia** 11(1):15–7, Jan 79

Gonadotrophic hormones and testicular descent. Colenbrander B, et al. **Arch Androl** 1(2):131–7, 1978

Effect of LH-RH loading in subfertile men. Sas M, et al. **Arch Androl** 1(2):153–62, 1978

Testicular pathology of Merino rams. Watt DA. **Aust Vet J** 54(10):473–8, Oct 78

Sex steroids and sex-hormone binding globulin in males with chronic alcoholism. Lindholm J, et al. **Eur J Clin Invest** 8(5):273–6, Oct 78

Pituitary-testicular function in patients with chronic alcoholism. Lindholm J, et al. **Eur J Clin Invest** 8(5):269–72, Oct 78

Effect of borax on testis of Indian desert gerbil, Meriones hurriane Jerdon. Sharma MP, et al. **Experientia** 34(10):1374–5, 15 Oct 78

Microsurgical aspects of varicocele. Silber SJ. **Fertil Steril** 31(2):230–2, Feb 79

Morphometric study of the reversibility of testicle alterations in rats submitted to hypervitaminosis A. Lamano Carvalho TL, et al. **Int J Vitam Nutr Res** 48(4):316–24, 1978

Morphometric study of testicle alterations in rats submitted to hypervitaminosis A. Lamano Carvalho TL, et al. **Int J Vitam Nutr Res** 48(4):307–15, 1978

XY gonadal dysgenesis [letter] Rushton DI. **Lancet** 1(8109):209, 27 Jan 79

The oral toxicity of 1-amino-3-chloro-propanol hydrochloride (CL 88236) in rats. James RW, et al. **Toxicology** 11(3):235–43, Nov 78

Pathological aspects of the infertile testis. Wong TW, et al. **Urol Clin North Am** 5(3):503–30, Oct 78 (58 ref.)

Bovine adenoviruses. II. Electron microscopic studies and ultrastructural classification of strains AKB and 37/67. Sibalin M, et al. **Zentralbl Veterinaermed [B]** 25(7):566–75, Sep 78

[Non-fluorescent Y chromosome in a 45,X/46,XY mosaic (author's transl)] Kaluzewski B, et al. **J Genet Hum** 26(3):255–35, Sep 78 (Eng. Abstr.) **(Fre)**

[Unilateral testicular atrophy (letter)] Hohenfellner R. **Dtsch Med Wochenschr** 104(4):126, 26 Jan 79 **(Ger)**

[Allergic orchitis in animals caused by streptococcal sensitization] Ogurtsov RP, et al. **Arkh Patol** 40(12):23–9, 1978 (Eng. Abstr.) **(Rus)**

[Autoimmune nature of spermatogenesis disorders in varicocele models in rats] Raitsina SS, et al. **Biull Eksp Biol Med** 87(1):44–8, Jan 79 (Eng. Abstr.) **(Rus)**

[Isolated type I incomplete male pseudohermaphroditism] Gómez Saez JM, et al. **Rev Clin Esp** 151(1):73–6, 15 Oct 78 **(Spa)**

PHYSIOLOGY

Gonadotrophic hormones and testicular descent. Colenbrander B, et al. **Arch Androl** 1(2):131–7, 1978

Species differences in contractility of seminiferous tubules and tunica albuginea as related to sperm transport through the testis. Ellis LC, et al. **Arch Androl** 1(2):139–46, 1978

The effect of unilateral castration on plasma and testicular testosterone in rabbits from birth to 60 days. Berger M, et al. **Arch Int Physiol Biochim** 86(4):799–808, Oct 78

Annual androgen rhythm in the spiny-tailed lizard, Uromastix hardwicki. Arslan M, et al. **Gen Comp Endocrinol** 36(1):16–22, Sep 78

A comparative study of the annual cycles in sexual and thyroid function in male Peking ducks (Anas platyrhynchos) and teal (Anas crecca). Jallageas M, et al. **Gen Comp Endocrinol** 36(2):201–10, Oct 78

Effects of photoperiod and temperature on testicular and thyroid activity of the Japanese quail. Oishi T, et al. **Gen Comp Endocrinol** 36(2):250–4, Oct 78

Age-related changes in reproductive hormones and in Leydig cell responsivity in the male Fischer 344 rat. Bethea CL, et al. **J Gerontol** 34(1):21–7, Jan 79

Fluid movement in the seminiferous tubules and the epididymal duct of the rat [proceedings] Hinton BT, et al. **J Physiol (Lond)** 284:16P–17P, Nov 78

The effect of alcohol ingestion on hepatic aromatase activity and plasma steroid hormones in the rat. Gordon GG, et al. **Metabolism** 28(1):20–4, Jan 79

Effects of testosterone and orchiectomy on the development of gonadotrophs in neonatal rats with hypophysial stalk section. Daikoku S, et al. **Neuroendocrinology** 27(3–4):148–59, 1978

Serotonin in hypothalamic nuclei: increased content after castration of male rats. van de Kar L, et al. **Neuroendocrinology** 27(3–4):186–92, 1978

Systems of life. No. 50. Hormones and homeostasis. Roberts A. **Nurs Times** 75(5):Suppl 50:1–4, 1 Feb 79

Physiology of the male reproductive system. Jenkins AD, et al. **Urol Clin North Am** 5(3):437–50, Oct 78

Biological effects of antibodies to gonadal steroids. Nieschlag E, et al. **Vitam Horm** 36:165–202, 1978 (98 ref.)

[Early effect of adrenalectomy and castration on the demethylating activity of the liver microsomal fraction in male rats] Angelov E. **Eksp Med Morfol** 17(4):182–6, 1978 (Eng. Abstr.) **(Bul)**

[Androgen activity of dysgenesic rats' testis. Histochemical, ultrastructural studies and radioimmunoassay of testosterone] Vanhems E, et al. **Ann Endocrinol (Paris)** 39(5):393–402, 1978 (Eng. Abstr.) **(Fre)**

[Action of the testosterone treated chicken testis on the regression of the Müllerian duct] Maraud R, et al. **C R Soc Biol (Paris)** 172(3):446–9, 1978 (Eng. Abstr.) **(Fre)**

[Effect of photoperiodic conditions on the hypothalamo-hypophyseal neurosecretory and sexual system of the mink Mustela vison] Iurisova MN, et al. **Zh Evol Biokhim Fiziol** 14(6):559–65, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Androgenic status of males with systemic lupus erythematosus. Stahl NI, et al. **Arthritis Rheum** 21(6):665–8, Jul–Aug 78

Pituitary-testicular axis in diabetic men with and without sexual impotence. Daubresse JC, et al. **Diabete Metab** 4(4):233–7, Dec 78

Pituitary-testicular function in patients with chronic alcoholism. Lindholm J, et al. **Eur J Clin Invest** 8(5):269–72, Oct 78

Sex steroids and sex-hormone binding globulin in males with chronic alcoholism. Lindholm J, et al. **Eur J Clin Invest** 8(5):273–6, Oct 78

Gonadal function in males treated with cyclophosphamide for nephrotic syndrome. Hsu AC, et al. **Fertil Steril** 31(2):173–7, Feb 79

Induced varicoceles in rhesus monkeys. Kay R, et al. **Fertil Steril** 31(2):195–9, Feb 79

Endocrine abnormalities associated with chronic renal failure. Lim VS, et al. **Med Clin North Am** 62(6):1341–61, Nov 78 (75 ref.)

[Dynamic study of the hypothalamo-hypophyseal-gonadal axis in patients with Klinefelter's syndrome] Maleeva A. **Vutr Boles** 17(6):56–62, 1978 (Eng. Abstr.) **(Bul)**

RADIATION EFFECTS

Morphological and quantitative analysis of spermatogonia in mouse testes using whole mounted seminiferous tubules. II. The irradiated testes. Huckins C, et al. **Anat Rec** 192(4):529–42, Dec 78

Gonad shielding in diagnostic radiology. Recommendation of the FDA and ACR. Manny EF, et al. **Postgrad Med** 65(3):207–11, Mar 79

RADIOGRAPHY

Soft tissue radiography of the testes. Loveday BJ, et al. **Clin Radiol** 29(6):685–9, Nov 78

A comparative study between direct testicular and pedal lymphography in dogs. (A preliminary report). Vlahos L, et al. **Int Urol Nephrol** 10(4):313–20, 1978

SECRETION

The endocrine control by luteinizing hormone of testosterone secretion from the testis of the Japanese quail. Maung SL, et al. **Gen Comp Endocrinol** 36(1):79–89, Sep 78

The testis as a secretory organ for H-Y antigen. Müller U, et al. **Hum Genet** 45(2):209–13, 18 Dec 78

Testicular steroid secretion in response to GnRH-mediated

LH and FSH release in bulls. Schanbacher BD, et al. **J Anim Sci** 47(2):514–20, Aug 78

Age-related changes in reproductive hormones and in Leydig cell responsivity in the male Fischer 344 rat. Bethea CL, et al. **J Gerontol** 34(1):21–7, Jan 79

SURGERY

Operative procedures on male genitalia using a new 'infrapubic' approach. Kelâmi A. **Eur Urol** 4(6):468–70, 1978

Early ultrastructural changes in the rat testis after ductuli efferentes ligation. Anton E. **Fertil Steril** 31(2):187–94, Feb 79

Role of microsurgery in orchiopexy. Romas NA, et al. **Urology** 12(6):670–3, Dec 78

[Traumatic amputation of the testicle. Successful reimplantation using microsurgery (author's transl)] Rodriguez Costa A, et al. **An Esp Pediatr** 11(12):865–7, Dec 78 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Intraepithelial lymphocytes in the excurrent ducts of the testis of the domestic fowl (Gallus domesticus). Aire TA, et al. **Acta Anat (Basel)** 103(2):142–9, 1979

Cytological changes in the testes of vitamin-A-deficient rats. II. Ultrastructural study of the seminiferous tubules. Sobhon P, et al. **Acta Anat (Basel)** 103(2):169–83, 1979

Computer assessment of chromatin patterns on some germ line cells of the hemipteran, Triatoma infestans Klug. Mello ML. **Acta Histochem (Jena)** 62(2):254–62, 1978

Effects of testosterone enanthate on the structure of the male reproductive tract of the rat. Flickinger C. **Anat Rec** 192(4):555–84, Dec 78

Testicular biopsy of secretory azoospermia: electron and light microscopic analysis. Camatini M, et al. **Arch Androl** 1(4):281–9, Sep 78

Fine structure and cytochemistry of the morphogenesis of round-headed human sperm. Castellani L, et al. **Arch Androl** 1(4):291–7, Sep 78

Fine structure and development of Sertoli junctions in human testis. Furuya S, et al. **Arch Androl** 1(3):211–9, May 78

Cellular interrelationships in the fetal rabbit testis. Gondos B, et al. **Arch Androl** 1(1):19–30, 1978

Experimental orchitis induced in rats by passive transfer of an antiserum to seminiferous tubule basement membrane. Lustig L, et al. **Arch Androl** 1(4):333–43, Sep 78

H-Y antigen in testes of XX(BALB)/XY (C3H) chimaeric male mouse. Ohno S, et al. **Arch Androl** 1(1):103–9, 1978

Nonhomologous associations of C-heterochromatin at human male meitoic prophase. Driscoll DJ, et al. **Cytogenet Cell Genet** 23(1–2):23–32, 1979

Early ultrastructural changes in the rat testis after ductuli efferentes ligation. Anton E. **Fertil Steril** 31(2):187–94, Feb 79

Ultrastructural studies on testicular biopsies from eighteen cases of hypospermatogenesis. Narbaitz R, et al. **Fertil Steril** 30(6):679–86, Dec 78

Ultrastructural study of gonads in the complete and incomplete feminization syndrome. Millonig G, et al. **Gynecol Obstet Invest** 9(1):16–31, 1978

Chromosomal and histological changes in the reproductive organs of infertile men. Mićić MD, et al. **Hum Genet** 45(2):111–4, 18 Dec 78

Karyological analysis of the Horsfield's shrew from peninsular India. Rao SK, et al. **J Hered** 69(3):202–4, May–Jun 78

[Ultrastructural changes in the testis and epididymis of rams with infectious epididymitis] Bakurdzhiev K, et al. **Vet Med Nauki** 15(5):44–52, 1978 (Eng. Abstr.) **(Bul)**

[Androgen activity of dysgenesic rats' testis. Histochemical, ultrastructural studies and radioimmunoassay of testosterone] Vanhems E, et al. **Ann Endocrinol (Paris)** 39(5):393–402, 1978 (Eng. Abstr.) **(Fre)**

[Human cryptorchidism: changes in the basement membrane of the seminiferous tubules. Preliminary findings] Francavilla S, et al. **Boll Soc Ital Biol Sper** 54(2):154–60, 30 Jan 78 **(Ita)**

II. Disorders of the Gonads

ARRHENOBLASTOMA

BLOOD

Peripheral and ovarian venous concentrations of various steroid hormones in virilizing ovarian tumors. Meldrum DR, et al. **Obstet Gynecol** 53(1):36–43, Jan 79

METABOLISM

[Lipid-cellular (lipoid-cellular) tumors of the ovaries] Sheinin PI. **Probl Endokrinol (Mosk)** 25(1):23–8, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Lipid-cellular (lipoid-cellular) tumors of the ovaries] Sheinin PI. **Probl Endokrinol (Mosk)** 25(1):23–8, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

BRENNER TUMOR

DIAGNOSIS

Malignant Brenner tumor of the ovary: case report with a review of the literature. Chiarelli SM, et al. **Tumori** 64(6):597–605, Nov–Dec 78 (29 ref.)

PATHOLOGY

Malignant Brenner tumor of the ovary: case report with a review of the literature. Chiarelli SM, et al. **Tumori** 64(6):597–605, Nov–Dec 78 (29 ref.)

CORPUS LUTEUM CYST

COMPLICATIONS

Combined pregnancy and ruptured corpus luteum cyst. Schonberg LA. **Am J Obstet Gynecol** 133(1):106–7, 1 Jan 79

CRYPTORCHISM

The undescended testis. Fonkalsrud EW. **Curr Probl Surg** 15(3):1–56, Mar 78 (233 ref.)

Urodynamic studies in prune belly syndrome. A case report. Palmtag H, et al. **Scand J Urol Nephrol** 13(1):11–6, 1979

COMPLICATIONS

The undescended testis. Fonkalsrud EW. **Curr Probl Surg** 15(3):1–56, Mar 78 (233 ref.)

Bras, breast carcinoma, and cryptorchid testis [letter] King CR. **Lancet** 1(8106):45, 6 Jan 79

[Environmental factors in the pathogenesis of hypospadias] Czeizel E, et al. **Orv Hetil** 119(51):3127–35, 17 Dec 78 **(Hun)**

[Bilateral cryptorchism and its implications in male sterility] Netto Júnior NR, et al. **AMB** 24(9):320–2, Sep 78 (Eng. Abstr.) **(Por)**

DIAGNOSIS

Cryptorchidism: a renewed plea [letter] Bishop MC, et al. **Br Med J** 1(6160):407–8, 10 Feb 79

The undescended testis. Fonkalsrud EW. **Curr Probl Surg** 15(3):1–56, Mar 78 (233 ref.)

DRUG THERAPY

[Critical assessment of present-day tendencies in the treatment of positional testicular anomalies (author's transl)] Fargaš E, et al. **Cas Lek Cesk** 117(43):1357–9, 27 Oct 78 (Eng. Abstr.) **(Cze)**

[Therapy of cryptorchism using D-leu6-des-gly10-GnRH-ethylamide, a highly effective analog of gonadotropin-releasing hormone (GnRH=LH-RH)] Weber T, et al. **Cesk Pediatr** 33(10):613–4, Oct 78 (Eng. Abstr.) **(Cze)**

[Experimental and clinical basis of conservative treatment of cryptorchism] Iunda IF, et al. **Klin Khir** (12):20–4, Dec 78 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Leydig cells within the lamina propria of seminiferous tubules in four patients with azoospermia. Schulze C, et al. **Andrologia** 10(6):444–52, Nov–Dec 78

Gonadotrophic hormones and testicular descent Colenbrander B, et al. **Arch Androl** 1(2):131–7, 1978

Pathological aspects of the infertile testis. Wong TW, et al. **Urol Clin North Am** 5(3):503–30, Oct 78 (58 ref.)

[Human cryptorchidism: changes in the basement membrane of the seminiferous tubules. Preliminary findings] Francavilla S, et al. **Boll Soc Ital Biol Sper** 54(2):154–60, 30 Jan 78 **(Ita)**

PHYSIOPATHOLOGY

Urodynamic studies in prune belly syndrome. A case report. Palmtag H, et al. **Scand J Urol Nephrol** 13(1):11–6, 1979

RADIONUCLIDE IMAGING

Scintigraphy of the testes: a new method in the diagnosis of undescended testes. Lopatkin NA, et al. **Int Urol Nephrol** 10(4):305–12, 1978

SURGERY

Cryptorchidism: a renewed plea [letter] Bishop MC, et al. **Br Med J** 1(6160):407–8, 10 Feb 79

Role of microsurgery in orchiopexy. Romas NA, et al. **Urology** 12(6):670–3, Dec 78

[Critical assessment of present-day tendencies in the treatment of positional testicular anomalies (author's transl)] Fargaš E, et al. **Cas Lek Cesk** 117(43):1357–9, 27 Oct 78 (Eng. Abstr.) **(Cze)**

[Early, late and distant results of surgical treatment of cryptorchism] Markiewicz C, et al. **Ann Acad Med Stetin** 24:361–72, 1978 (Eng. Abstr.) **(Pol)**

[Bilateral cryptorchism and its implications in male sterility] Netto Júnior NR, et al. **AMB** 24(9):320–2, Sep 78 (Eng. Abstr.) **(Por)**

[Experimental and clinical basis of conservative treatment of cryptorchism] Iunda IF, et al. **Klin Khir** (12):20–4, Dec 78 (Eng. Abstr.) **(Rus)**

THERAPY

The undescended testis. Fonkalsrud EW. **Curr Probl Surg** 15(3):1–56, Mar 78 (233 ref.)

[Critical assessment of present-day tendencies in the treatment of positional testicular anomalies (author's transl)] Fargaš E, et al. **Cas Lek Cesk** 117(43):1357–9, 27 Oct 78 (Eng. Abstr.) **(Cze)**

[Significance of preventive and dispensary provisions for the correct therapy of undescended testes] Geryk B, et al. **Cesk Pediatr** 33(9):545–6, Sep 78 **(Slo)**

DYSGERMINOMA

Recent advances in testicular cancer. Javadpour N, et al. **Curr Probl Surg** 15(2):1–64, Feb 78 (125 ref.)

ANALYSIS

Human chorionic gonadotropin (HCG) and alpha-fetoprotein (AFP) in sera and tumor cells of patients with testicular seminoma: a prospective study. Javadpour N, et al. **Cancer** 42(6):2768–72, Dec 78

BLOOD

Human chorionic gonadotropin (HCG) and alpha-fetoprotein (AFP) in sera and tumor cells of patients with testicular seminoma: a prospective study. Javadpour N, et al. **Cancer** 42(6):2768-72, Dec 78

The National Cancer Institute experience with testicular cancer. Javadpour N. **J Urol** 120(6):651-9, Dec 78

The role of alpha-fetoprotein and human chorionic gonadotropin in seminoma. Javadpour N, et al. **J Urol** 120(6):687-90, Dec 78

Serum markers in testicular tumors. Narayana AS, et al. **J Urol** 121(1):51-3, Jan 79

Circulation and emigration kinetics of blood lymphocytes in lymphoma patients. Bremer K, et al. **Lymphology** 11(4):231-7, Dec 78

CLASSIFICATION

Recent advances in testicular cancer. Javadpour N, et al. **Curr Probl Surg** 15(2):1-64, Feb 78 (125 ref.)

COMPLICATIONS

True hermaphrodite with multiple gonadal neoplasms: report of a case with cytogenetic study. Radharrishnan S, et al. **Cancer** 42(6):2726-32, Dec 78

DIAGNOSIS

Ambiguous genitals and the choice of gender. Kiss P, et al. **Acta Paediatr Acad Sci Hung** 19(3):191-8, 1978

Human chorionic gonadotropin (HCG) and alpha-fetoprotein (AFP) in sera and tumor cells of patients with testicular seminoma: a prospective study. Javadpour N, et al. **Cancer** 42(6):2768-72, Dec 78

Recent advances in testicular cancer. Javadpour N, et al. **Curr Probl Surg** 15(2):1-64, Feb 78 (125 ref.)

Endodermal sinus tumor of the vagina. Rezaizadeh MM, et al. **Gynecol Oncol** 6(5):459-63, Oct 78

Hepatic tumors in the pediatric age group: a distinctive clinicopathologic spectrum. Dehner LP. **Perspect Pediatr Pathol** 4:217-68, 1978 (150 ref.)

[Diagnosis and therapy of malignant testicular neoplasms] Douwes FR, et al. **Onkologie** 1(5):185-92, Oct 78 (Eng. Abstr.) **(Ger)**

[Case of ovarian tumor in a 10-year-old girl with gonadal dysgenesis, illustrating the need for evaluation of sexual development in the course of diagnostic procedures] Ordyniec J, et al. **Ginekol Pol** 49(9):801-3, Sep 78 (Eng. Abstr.) **(Pol)**

[Retrospective assessment of therapeutic results in cases of testicular germinal tumors other than classical seminoma] Puchalska B, et al. **Nowotwory** 28(4):413-20, Dec 78 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Adjuvant chemotherapy of testicular tumours. Mechl Z. **Arch Geschwulstforsch** 48(7):683-5, 1978

[Diagnosis and therapy of malignant testicular neoplasms] Douwes FR, et al. **Onkologie** 1(5):185-92, Oct 78 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

True hermaphrodite with multiple gonadal neoplasms: report of a case with cytogenetic study. Radharrishnan S, et al. **Cancer** 42(6):2726-32, Dec 78

MORTALITY

Adjuvant chemotherapy of testicular tumours. Mechl Z. **Arch Geschwulstforsch** 48(7):683-5, 1978

Germ cell malignancies of the ovary. Creasman WT, et al. **Obstet Gynecol** 53(2):226-30, Feb 79

PATHOLOGY

Metastatic intracranial seminoma. Averback P, et al. **Arch Neurol** 36(1):40, Jan 79

Cytological and functional analysis of inflammatory infiltrates in human malignant tumors. I. Composition of the inflammatory infiltrates. Häyry P, et al. **Eur J Immunol** 8(12):866-71, Dec 78

Cytological and functional analysis of inflammatory infiltrates in human malignant tumors. II. Functional investigations of the infiltrating inflammatory cells. Tötterman TH, et al. **Eur J Immunol** 8(12):872-5, Dec 78

Endodermal sinus tumor of the vagina. Rezaizadeh MM, et al. **Gynecol Oncol** 6(5):459-63, Oct 78

Thymic hyperplasia and neoplasia: a review of current concepts. Levine GD, et al. **Hum Pathol** 9(5):495-515, Sep 78 (98 ref.)

Germ cell tumours of the ovary--a histopathological study. Tyagi SP, et al. **Indian J Pathol Microbiol** 21(2):97-105, Apr 78

The role of alpha-fetoprotein and human chorionic gonadotropin in seminoma. Javadpour N, et al. **J Urol** 120(6):687-90, Dec 78

Germ cell malignancies of the ovary. Creasman WT, et al. **Obstet Gynecol** 53(2):226-30, Feb 79

[Changed strategy in the cancer campaign] Krokowski E. **Med Klin** 74(10):361-7, 9 Mar 79 **(Ger)**

[Diagnosis and therapy of malignant testicular neoplasms] Douwes FR, et al. **Onkologie** 1(5):185-92, Oct 78 (Eng. Abstr.) **(Ger)**

[Bilateral testicular neoplasms] Heinrichs HJ. **Z Urol Nephrol** 71(12):919-24, Dec 78 (Eng. Abstr.)**(Ger)**

RADIOGRAPHY

Computed tomography in the staging of testicular neoplasms. Lee JK, et al. **Radiology** 130(2):387-90, Feb 79

[Computer tomography of the mediastinum (author's transl)] Wegener OH. **ROEFO** 129(6):727-35, Dec 78 (Eng. Abstr.) **(Ger)**

[Total body computer tomography or the urogenital system (author's transl)] Ammon J, et al. **Urologe [A]** 18(1):1-13, Jan 79 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

Whole-lung irradiation in the treatment of pulmonary metastases. Tepmongkol P. **J Med Assoc Thai** 61(12):681-9, Dec 78

[Effect of radiotherapy on the humoral immunity in patients with lymphogranulomatosis or seminoma] Krüsmann WF, et al. **Verh Dtsch Ges Inn Med** (84):612-5, 1978 **(Ger)**

[Bilateral basal ganglia calcification following radiation therapy for brain tumors (author's transl)] Yamashita J, et al. **Neurol Med Chir (Tokyo)** 18(11 Pt 2):851-6, Dec 78 (Eng. Abstr.) **(Jpn)**

[Retrospective assessment of therapeutic results in cases of testicular germinal tumors other than classical seminoma] Puchalska B, et al. **Nowotwory** 28(4):413-20, Dec 78 (Eng. Abstr.) **(Pol)**

SURGERY

Adjuvant chemotherapy of testicular tumours. Mechl Z. **Arch Geschwulstforsch** 48(7):683-5, 1978

Metastatic intracranial seminoma. Averback P, et al. **Arch Neurol** 36(1):40, Jan 79

The place of surgery in the treatment of ovarian cancer. Hudson CN. **Clin Obstet Gynaecol** 5(3):695-708, Dec 78

[Diagnosis and therapy of malignant testicular neoplasms] Douwes FR, et al. **Onkologie** 1(5):185-92, Oct 78 (Eng. Abstr.) **(Ger)**

[A severe case of irreversible gastroenteric loss of protein] Dei Cas L, et al. **Minerva Dietol Gastroenterol** 24(3):279-82, Jul-Sep 78 **(Ita)**

[Removal of retroperitoneal lymph nodes through the transabdominal route in the treatment of malignant germinal testicular tumors] Kułakowski A, et al. **Nowotwory** 28(4):421-6, Dec 78 (Eng. Abstr.) **(Pol)**

THERAPY

Recent advances in testicular cancer. Javadpour N, et al. **Curr Probl Surg** 15(2):1-64, Feb 78 (125 ref.)

Endodermal sinus tumor of the vagina. Rezaizadeh MM, et al. **Gynecol Oncol** 6(5):459-63, Oct 78

The role of alpha-fetoprotein and human chorionic gonadotropin in seminoma. Javadpour N, et al. **J Urol** 120(6):687-90, Dec 78

Germ cell malignancies of the ovary. Creasman WT, et al. **Obstet Gynecol** 53(2):226-30, Feb 79

[Changed strategy in the cancer campaign] Krokowski E. **Med Klin** 74(10):361-7, 9 Mar 79 **(Ger)**

[Treatment and prognosis of germinative testicular tumors] Srougi M, et al. **AMB** 24(9):313-6, Sep 78 (Eng. Abstr.) **(Por)**

EUNUCHISM

DRUG THERAPY

Induction of spermatogenesis in hypogonadotrophic hypogonadism. Spitz IM, et al. **Postgrad Med J** 54(636):694–7, Oct 78

PHYSIOPATHOLOGY

Induction of spermatogenesis in hypogonadotrophic hypogonadism. Spitz IM, et al. **Postgrad Med J** 54(636):694–7, Oct 78

GONADS

ABNORMALITIES

Ambiguous genitals and the choice of gender. Kiss P, et al. **Acta Paediatr Acad Sci Hung** 19(3):191–8, 1978

The surgery of developmental and congenital disorders in gynaecology. Williams EA. **Clin Obstet Gynaecol** 5(3):505–23, Dec 78

GRANULOSA CELL TUMOR

COMPLICATIONS

[A case of granulosa cell tumor associated with clinical signs of virilism (author's transl)] Gueorgiev T, et al. **Ann Endocrinol (Paris)** 39(4):313–7, Jul–Aug 78 (Eng. Abstr.) **(Fre)**

MORTALITY

Granulosa cell tumors. A clinical review of 61 cases. Pankratz E, et al. **Obstet Gynecol** 52(6):718–23, Dec 78

PATHOLOGY

Stromomyoma of the uterus. Tang CK, et al. **Cancer** 43(1):308–16, Jan 79

Squamous metaplasia of renal tubular epithelium in a dog with a granulosa cell tumour. Wouda W, et al. **Zentralbl Veterinaermed [A]** 25(6):499–502, Jul 78

[A case of granulosa cell tumor associated with clinical signs of virilism (author's transl)] Gueorgiev T, et al. **Ann Endocrinol (Paris)** 39(4):313–7, Jul–Aug 78 (Eng. Abstr.) **(Fre)**

[Tichofolliculoma] Armijo M, et al. **Actas Dermosifiliogr** 69(9–10):265–72, Sep–Oct 78 (Eng. Abstr.) **(Spa)**

[Gonadal tumors in children (author's transl)] Gutiérrez Cantó MA, et al. **An Esp Pediatr** 11(12):893–8, Dec 78 (Eng. Abstr.) **(Spa)**

RADIOTHERAPY

Granulosa cell tumors. A clinical review of 61 cases. Pankratz E, et al. **Obstet Gynecol** 52(6):718–23, Dec 78

SURGERY

Granulosa cell tumors. A clinical review of 61 cases. Pankratz E, et al. **Obstet Gynecol** 52(6):718–23, Dec 78

VETERINARY

Squamous metaplasia of renal tubular epithelium in a dog with a granulosa cell tumour. Wouda W, et al. **Zentralbl Veterinaermed [A]** 25(6):499–502, Jul 78

HERMAPHRODITISM

Gametogenesis and fertilization in Rhabdias ranae Walton 1929: I. The parasitic hermaphrodite. Runey WM, et al. **J Parasitol** 64(6):1008–14, Dec 78

BLOOD

A true hermaphrodite dispermic chimera with 46,XX and 46,XY karyotypes. Fitzgerald PH, et al. **Clin Genet** 15(1):89–96, Jan 79

CHEMICALLY INDUCED

[Possible carcinogenic action of sex hormones in the perinatal period of ontogeny] Ird EA, et al. **Akush Ginekol (Mosk)** (12):4–7, Dec 78 (28 ref.) **(Rus)**

COMPLICATIONS

True hermaphrodite with multiple gonadal neoplasms: report of a case with cytogenetic study. Radharrishnan S, et al. **Cancer** 42(6):2726–32, Dec 78

Hypospadias in the true hermaphrodite. Fortune A, et al. **Med J Aust** 2(8):393–4, 7 Oct 78

DIAGNOSIS

Hypospadias in the true hermaphrodite. Fortune A, et al. **Med J Aust** 2(8):393–4, 7 Oct 78

[Case of ovarian tumor in a 10-year-old girl with gonadal dysgenesis, illustrating the need for evaluation of sexual development in the course of diagnostic procedures] Ordyniec J, et al. **Ginekol Pol** 49(9):801–3, Sep 78 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

A true hermaphrodite dispermic chimera with 46,XX and 46,XY karyotypes. Fitzgerald PH, et al. **Clin Genet** 15(1):89–96, Jan 79

ETIOLOGY

True hermaphroditism: etiology and phenotypic considerations. Simpson JL. **Birth Defects** 14(6C):9–35, 1978 (188 ref.)

FAMILIAL & GENETIC

True hermaphroditism: etiology and phenotypic considerations. Simpson JL. **Birth Defects** 14(6C):9–35, 1978 (188 ref.)

True hermaphrodite with multiple gonadal neoplasms: report of a case with cytogenetic study. Radharrishnan S, et al. **Cancer** 42(6):2726–32, Dec 78

A true hermaphrodite dispermic chimera with 46,XX and 46,XY karyotypes. Fitzgerald PH, et al. **Clin Genet** 15(1):89–96, Jan 79

SURGERY

Problems of sex differentiation--surgical correction. Jones HW Jr. **Birth Defects** 14(6C):63–71, 1978

HYPOGONADISM

BLOOD

Prolactin in seminal plasma of infertile men. Segal S, et al. **Arch Androl** 1(1):49–52, 1978

Prolactin-secreting tumors and hypogonadism in men [letter] **N Engl J Med** 300(10):563–4, 8 Mar 79

COMPLICATIONS

Endocrine evaluation of the infertile male. Snyder PJ. **Urol Clin North Am** 5(3):451–62, Oct 78

Pathological aspects of the infertile testis. Wong TW, et al. **Urol Clin North Am** 5(3):503–30, Oct 78 (58 ref.)

[A Paracanã Indian with idiopathic hypogonadotropic hypogonadism] Vieira Filho JP. **AMB** 24(10):363–4, Oct 78 (Eng. Abstr.) **(Por)**

DIAGNOSIS

[A Paracanã Indian with idiopathic hypogonadotropic hypogonadism] Vieira Filho JP. **AMB** 24(10):363–4, Oct 78 (Eng. Abstr.) **(Por)**

ETIOLOGY

The role of testicular adenylate cyclase in the hypogonadism of renal insufficiency. Kreusser W, et al. **Proc Eur Dial Transplant Assoc** 15:622–4, 1978

[Human prolactin (author's transl)] von Werder K, et al. **Klin Wochenschr** 57(1):1–12, 1 Jan 79 (143 ref.) (Eng. Abstr.) **(Ger)**

[Hypergonadotropic hypogonadism in kidney failure--a consequence of disorders of testicular cyclic AMP

formation] Kreusser W, et al. **Verh Dtsch Ges Inn Med** (84):1446–8, 1978 **(Ger)**
[Development of hypogonadism due to hemodialysis and kidney transplantation] Sawanishi K. **Nippon Jinzo Gakkai Shi** 20(6):734–7, Jun 78 **(Jpn)**

FAMILIAL & GENETIC

Endocrine evaluation of the infertile male. Snyder PJ. **Urol Clin North Am** 5(3):451–62, Oct 78
[Dermatoglyphic studies in primary and secondary hypogonadism] Tomov T, et al. **Vutr Boles** 17(6):62–6, 1978 (Eng. Abstr.) **(Bul)**

METABOLISM

Prolactin in seminal plasma of infertile men. Segal S, et al. **Arch Androl** 1(1):49–52, 1978

PATHOLOGY

[Dermatoglyphic studies in primary and secondary hypogonadism] Tomov T, et al. **Vutr Boles** 17(6):62–6, 1978 (Eng. Abstr.) **(Bul)**

PHYSIOPATHOLOGY

Hormonal correlates of normal and abnormal follicle growth after puberty in humans and other primates. Ross GT, et al. **Clin Endocrinol Metab** 7(3):561–75, Nov 78
The role of testicular adenylate cyclase in the hypogonadism of renal insufficiency. Kreusser W, et al. **Proc Eur Dial Transplant Assoc** 15:622–4, 1978

PREVENTION & CONTROL

Prolactin-secreting tumors and hypogonadism in men [letter] **N Engl J Med** 300(10):563–4, 8 Mar 79

THERAPY

[The cortisol and testosterone substitution in patients with adrenal insufficiency and hypogonadism] Nickelsen T, et al. **Verh Dtsch Ges Inn Med** (84):1448–53, 1978 **(Ger)**

KLINEFELTER'S SYNDROME

Palmar dermatoglyphics of the patients with Klinefelter's syndrome (47,XXY). Komatz Y, et al. **Jinrui Idengaku Zasshi** 23(3):245–8, Sep 78

COMPLICATIONS

Klinefelter syndrome and neurological disease. Boltshauser E, et al. **J Neurol** 219(4):253–9, 22 Dec 78
Breast carcinoma associated with Klinefelter syndrome: a case report. Brown PW, et al. **J Surg Oncol** 10(5):413–5, 1978
Chromosomal aberrations and congenital heart diseases. Naganuma M. **Jpn Circ J** 42(10):1124–30, Oct 78

DIAGNOSIS

Sexual determination of XX men. Noël B, et al. **J Genet Hum** 26(3):287–8, Sep 78

FAMILIAL & GENETIC

The KOP translocation. Pallister PD, et al. **Birth Defects** 14(6C):133–46, 1978
Male genital defects in patterns of malformation. Smith DW. **Birth Defects** 14(6C):57–61, 1978
On the peripheral location of the Y chromosome. Kowalski CJ, et al. **Hum Genet** 44(2):123–35, 31 Oct 78
Sexual determination of XX men. Noël B, et al. **J Genet Hum** 26(3):287–8, Sep 78
XXXXY syndrome (supra-Klinefelter) showing features of spondyloepiphyseal dysplasia. Kozlowski K, et al. **Radiol Diagn (Berl)** 19(4):457–61, Aug 78
Endocrine evaluation of the infertile male. Snyder PJ. **Urol Clin North Am** 5(3):451–62, Oct 78

IMMUNOLOGY

C1q precipitins in human seminal plasma. Kövary PM, et al. **Arch Androl** 1(1):99–102, 1978

OCCURRENCE

Sex effects in systemic lupus erythematosus: a clue to pathogenesis. Masi AT, et al. **Arthritis Rheum** 21(4):480–4, May 78

PATHOLOGY

XY gonadal dysgenesis [letter] Rushton DI. **Lancet** 1(8109):209, 27 Jan 79
Pathological aspects of the infertile testis. Wong TW, et al. **Urol Clin North Am** 5(3):503–30, Oct 78 (58 ref.)
[Fat protrusion of the skin and sex hormones in Klinefelter syndrome] Nürnberger F, et al. **Z Hautkr** 54(2):47–57, 15 Jan 79 **(Ger)**

PHYSIOPATHOLOGY

[Dynamic study of the hypothalomo-hypophyseal-gonadal axis in patients with Klinefelter's syndrome] Maleeva A. **Vutr Boles** 17(6):56–62, 1978 (Eng. Abstr.) **(Bul)**
[Fat protrusion of the skin and sex hormones in Klinefelter syndrome] Nürnberger F, et al. **Z Hautkr** 54(2):47–57, 15 Jan 79 **(Ger)**

PSYCHOLOGY

Psychiatric examination of all eight adult males with the karyotype 46,XX diagnosed in Denmark till 1976. Sørensen K, et al. **Acta Psychiatr Scand** 59(2):153–63, Feb 79

RADIOGRAPHY

XXXXY syndrome (supra-Klinefelter) showing features of spondyloepiphyseal dysplasia. Kozlowski K, et al. **Radiol Diagn (Berl)** 19(4):457–61, Aug 78

LEYDIG CELL TUMOR

CHEMICALLY INDUCED

A synergistic effect of nitrosodimethylamine on sterigmatocystin carcinogenesis in rats. Terao K, et al. **Food Cosmet Toxicol** 16(6):591–6, Dec 78

PATHOLOGY

Stromomyoma of the uterus. Tang CK, et al. **Cancer** 43(1):308–16, Jan 79
[Gonadal tumors in children (author's transl)] Gutiérrez Cantó MA, et al. **An Esp Pediatr** 11(12):893–8, Dec 78 (Eng. Abstr.) **(Spa)**

MEIGS' SYNDROME

DIAGNOSIS

[Diagnostic and therapy of true Meigs' syndrome (author's transl)] Maternowska W, et al. **Przegl Lek** 35(12):899–900, 1978 **(Pol)**

SURGERY

[Diagnostic and therapy of true Meigs' syndrome (author's transl)] Maternowska W, et al. **Przegl Lek** 35(12):899–900, 1978 **(Pol)**

NOONAN SYNDROME

COMPLICATIONS

Association of congenital heart disease with syndromes or other defects. Noonan JA. **Pediatr Clin North Am** 25(4):797–816, Nov 78 (80 ref.)
[Clinico-radiological findings in Noonan's syndrome (proceedings)] Montanelli C, et al. **Radiol Med (Torino)** 64(11):1289–90, Nov 78 **(Ita)**

DIAGNOSIS

[Clinico-radiological findings in Noonan's syndrome (proceedings)] Montanelli C, et al. **Radiol Med (Torino)** 64(11):1289–90, Nov 78 **(Ita)**

PATHOLOGY

Noonan's syndrome: report of a case with oral findings. Nelson JF, et al. **J Oral Med** 33(3):94–6, Jul–Sep 78

OVARIAN CYSTS

COMPLICATIONS

Triploidy syndrome with theca lutein cysts and severe pre-eclampsia. Lewis PE, et al. **Am J Obstet Gynecol** 133(1):110–1, 1 Jan 79

[A case of granulosa cell tumor associated with clinical signs of virilism (author's transl)] Gueorgiev T, et al. **Ann Endocrinol (Paris)** 39(4):313–7, Jul–Aug 78 (Eng. Abstr.) **(Fre)**

[Spontaneous hyperstimulation of the ovaries with luteal cysts and ascites during a twin pregnancy–extreme case of the syndrome of painfull early pregnancy (author's transl)] Leis D, et al. **Geburtshilfe Frauenheilkd** 38(12):1085–7, Dec 78 (Eng. Abstr.) **(Ger)**

[Neonatal ovarian cyst causing lipid resorption disorder after lymph stagnation] Verebély T, et al. **Orv Hetil** 120(3):159, 21 Jan 79 **(Hun)**

CONGENITAL

[Neonatal ovarian cyst causing lipid resorption disorder after lymph stagnation] Verebély T, et al. **Orv Hetil** 120(3):159, 21 Jan 79 **(Hun)**

DIAGNOSIS

Distinction of benign from malignant ovarian cysts by ultrasound. Meire HB, et al. **Br J Obstet Gynaecol** 85(12):893–9, Dec 78

Hematocolpos: diagnosis made by ultrasound. Little HK, et al. **JCU** 6(5):341–2, Oct 78

Hyperreactio luteinalis: a case report. Rowlands JB. **JCU** 6(5):327–9, Oct 78

Gray-scale ultrasound in 204 proved gynecologic masses: accuracy and specific diagnostic criteria. Walsh JW, et al. **Radiology** 130(2):391–7, Feb 79

[Spontaneous hyperstimulation of the ovaries with luteal cysts and ascites during a twin pregnancy–extreme case of the syndrome of painfull early pregnancy (author's transl)] Leis D, et al. **Geburtshilfe Frauenheilkd** 38(12):1085–7, Dec 78 (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Role of the liver in the development of dyshormonal diseases of the mammary glands in rats] Ird EA, et al. **Biull Eksp Biol Med** 86(12):713–5, Dec 78 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Triploidy syndrome with theca lutein cysts and severe pre-eclampsia. Lewis PE, et al. **Am J Obstet Gynecol** 133(1):110–1, 1 Jan 79

METABOLISM

[Neonatal ovarian cyst causing lipid resorption disorder after lymph stagnation] Verebély T, et al. **Orv Hetil** 120(3):159, 21 Jan 79 **(Hun)**

PATHOLOGY

Distinction of benign from malignant ovarian cysts by ultrasound. Meire HB, et al. **Br J Obstet Gynaecol** 85(12):893–9, Dec 78

[Case of combined nonparasitic cysts of the mesentery and ovary] Petkov P. **Khirurgiia (Sofiia)** 31(5):437–8, 1978 **(Bul)**

[A case of granulosa cell tumor associated with clinical signs of virilism (author's transl)] Gueorgiev T, et al. **Ann Endocrinol (Paris)** 39(4):313–7, Jul–Aug 78 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Cyclic changes in antral fluid hormone concentrations in humans. McNatty KP. **Clin Endocrinol Metab** 7(3):577–600, Nov 78

RADIOGRAPHY

[The iliac route for pneumoretroperitoneum (author's transl)] Granone A, et al. **Radiol Med (Torino)** 64(5):523–30, May 78 **(Ita)**

RADIONUCLIDE IMAGING

[Malignant giant ovarian cyst with multiple pregnancy at term] Pérez-Soler J, et al. **Acta Obstet Ginecol Hisp Lusit** 26(7):401–13, Oct 78 **(Spa)**

VETERINARY

Laparoscopy in zoological medicine. Bush M, et al. **J Am Vet Med Assoc** 173(9):1081–7, 1 Nov 78

OVARIAN DISEASES

BLOOD

Bromocriptine in the treatment of secondary amenorrhoea and ovarian dysfunction in hyper- and normo-prolactinaemic patients. Milligan MP, et al. **Curr Med Res Opin** 5(9):734–8, 1978

COMPLICATIONS

Gonadal lesions in transsexualism [letter] Ionescu B, et al. **Br J Psychiatry** 134:126, Jan 79

An infected ovarian hematoma as the presenting symptom of systemic lupus erythematosus. Gleicher N, et al. **J Reprod Med** 21(4):223–7, Oct 78

DIAGNOSIS

Pregnancy complicated by pelvic abscess. Fuselier P, et al. **J Reprod Med** 21(4):257–8, Oct 78

DRUG THERAPY

Bromocriptine in the treatment of secondary amenorrhoea and ovarian dysfunction in hyper- and normo-prolactinaemic patients. Milligan MP, et al. **Curr Med Res Opin** 5(9):734–8, 1978

[The gonadotropin-resistant ovary syndrome] Ordas J, et al. **Acta Obstet Ginecol Hisp Lusit** 26(8):497–506, Nov 78 **(Spa)**

ETIOLOGY

Postnatal formation of ovarian stroma and its relation to ovarian pathology. Hughesdon PE. **Int J Gynaecol Obstet** 16(1):8–19, 1978

An infected ovarian hematoma as the presenting symptom of systemic lupus erythematosus. Gleicher N, et al. **J Reprod Med** 21(4):223–7, Oct 78

PATHOLOGY

[Gonadal tumors in children (author's transl)] Gutiérrez Cantó MA, et al. **An Esp Pediatr** 11(12):893–8, Dec 78 (Eng. Abstr.) **(Spa)**

SURGERY

Avoiding ureteral damage in pelvic surgery for ovarian remnant syndrome. Berek JS, et al. **Am J Obstet Gynecol** 133(2):221–2, 15 Jan 79

The current status of infertility surgery. Cooke ID. **Clin Obstet Gynaecol** 5(3):591–606, Dec 78 (99 ref.)

THERAPY

Pregnancy complicated by pelvic abscess. Fuselier P, et al. **J Reprod Med** 21(4):257–8, Oct 78

OVARIAN NEOPLASMS

ANALYSIS

The clinical value of hormone receptor assays in malignant disease. Friedman MA, et al. **Cancer Treat Rev** 5(4):185–94, Dec 78 (72 ref.)

BLOOD

The hypercoagulable state and pulmonary embolism in patients with ovarian carcinoma. Planner RS, et al. **Aust NZ J Obstet Gynaecol** 18(3):209–12, Aug 78

Trophoblastic proteins in ovarian carcinoma. Crowther ME, et al. **Obstet Gynecol** 53(1):59–61, Jan 79

Peripheral and ovarian venous concentrations of various steroid hormones in virilizing ovarian tumors. Meldrum DR, et al. **Obstet Gynecol** 53(1):36–43, Jan 79

[Pregnancy associated alpha2–glycoprotein (alpha2–PAG) in the serum of patients with gynecologic carcinomas] Bauer HW, et al. **Onkologie** 1(5):180–3, Oct 78 (Eng. Abstr.) **(Ger)**

[Alpha fetoprotein] Ozuch B. **Ginekol Pol** 49(9):805–12, Sep 78 (54 ref.) (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

Carcinomas of the liver in Osborne–Mendel rats ingesting DDT. Reuber MD. **Tumori** 64(6):571–7, Nov–Dec 78

CLASSIFICATION

[Lipid–cellular (lipoid–cellular) tumors of the ovaries] Shelnin PI. **Probl Endokrinol (Mosk)** 25(1):23–8, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Endometriosis in peritoneal gliomatosis [letter] Albukerk JN, et al. **Arch Pathol Lab Med** 103(2):98–9, Feb 79

True hermaphrodite with multiple gonadal neoplasms: report of a case with cytogenetic study. Radharrishnan S, et al. **Cancer** 42(6):2726–32, Dec 78

[A case of granulosa cell tumor associated with clinical signs of virilism (author's transl)] Gueorgiev T, et al. **Ann Endocrinol (Paris)** 39(4):313–7, Jul–Aug 78 (Eng. Abstr.) **(Fre)**

[Results of the intraperitoneal application of radioactive gold in cases of ovarian cancer (author's transl)] Möhlen KH, et al. **Geburtshilfe Frauenheilkd** 38(12):1075–8, Dec 78 (Eng. Abstr.) **(Ger)**

[Coexistence of uterine leiomyomas with other pathological conditions of the uterus and the adnexa] Mierzwiński R, et al. **Ginekol Pol** 49(9):775–80, Sep 78 (Eng. Abstr.) **(Pol)**

[Acute abdomen due to endometriocis] Baskakov VP, et al. **Vestn Khir** 121(11):8–13, Nov 78 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Ovarian carcinoma and fine needle aspiration biopsy [letter] Serup J. **Acta Obstet Gynecol Scand** 58(1):125–6, 1979

Prospective comparison of ultrasound and computed tomography in the evaluation of gynecologic pelvic masses. Walsh JW, et al. **AJR** 131(6):955–60, Dec 78

Sarcoidosis mimicking malignancy. Connellan SJ, et al. **Br J Dis Chest** 72(4):343–4, Oct 78

Distinction of benign from malignant ovarian cysts by ultrasound. Meire HB, et al. **Br J Obstet Gynaecol** 85(12):893–9, Dec 78

Grey–scale ultrasonography for assessment of gynecologic pelvic masses. Cassoff J, et al. **Can Med Assoc J** 120(1):38–40, 45–6, 6 Jan 79

Correlation of UDP–galactose glycoprotein:galactosyltransferase levels in the sera with the clinical status of ovarian cancer patients. Chatterjee SK, et al. **Cancer Lett** 5(5):239–44, Nov 78

Possibility of immunodiagnosis in ovarian cancer. **Gynecol Obstet Invest** 9(2–3):98–108, 1978

Retroperitoneal metastatic spread of ovarian cancer. Creasman WT, et al. **Gynecol Oncol** 6(5):447–50, Oct 78

Ovarian myxoma. Majmudar B, et al. **Hum Pathol** 9(6):723–5, Nov 78

Repeat laparotomy as a preclinical diagnostic and therapeutic method for treating ovarian carcinoma. Grönroos M, et al. **Int J Gynaecol Obstet** 16(3):190–3, 1978–79

Living cytology—revisited. In vitro demonstration of intraabdominal adenocarcinomatosis. Monif GR, et al. **Obstet Gynecol** 53(2):231–6, Feb 79

The fibromatoses of infancy and childhood. Rosenberg HS, et al. **Perspect Pediatr Pathol** 4:269–348, 1978 (132 ref.)

The possibilities for early diagnosis of ovarian carcinoma [editorial] Rush RW, et al. **S Afr Med J** 54(12):464, 16 Sep 78

Ultrasonography in the diagnosis of tumors of the ovary. DeLand M, et al. **Surg Gynecol Obstet** 148(3):346–8, Mar 79

Malignant Brenner tumor of the ovary: case report with a review of the literature. Chiarelli SM, et al. **Tumori** 64(6):597–605, Nov–Dec 78 (29 ref.)

[Vaginal needle biopsy in large pelvic tumors for the purpose of histological evaluation. Preliminary study with a proposal for a new biopsy technic employing needles of 2 calibers] Serup J. **Ugeskr Laeger** 141(6):355–7, 5 Feb 79 (Eng. Abstr.) **(Dan)**

[Cowden's disease (multiple hamartoma syndrome). Review of the literature in connection with 1 case] Civatte J, et al. **Ann Med Interne (Paris)** 129(10):593–9, Oct 78 (18 ref.) **(Fre)**

[Retroperitoneal lipoma–aspects on differential diagnosis (author's transl)] Emmrich J. **Geburtshilfe Frauenheilkd** 39(2):161–2, Feb 79 (Eng. Abstr.) **(Ger)**

[Early and leading symptoms of malignant tumors] Isele H. **ZFA (Stuttgart)** 55(4):214–21, 10 Feb 79 (25 ref.) **(Ger)**

[Case of ovarian tumor in a 10–year–old girl with gonadal dysgenesis, illustrating the need for evaluation of sexual development in the course of diagnostic procedures] Ordyniec J, et al. **Ginekol Pol** 49(9):801–3, Sep 78 (Eng. Abstr.) **(Pol)**

[Alpha fetoprotein] Ozuch B. **Ginekol Pol** 49(9):805–12, Sep 78 (54 ref.) (Eng. Abstr.) **(Pol)**

[Urgent tasks in resolving the problems of malignant ovarian tumors (for a study of the 1st stage of the disease)] Nechaeva ID. **Vopr Onkol** 24(12):84–91, 1978 **(Rus)**

[Giant ovarian cystoma (a case from practice)] Mamakeev MM, et al. **Zdravookhr Kirg** (6):50–1, Nov–Dec 78 **(Rus)**

[Pelvipneumography: anatomoclicnical and radiological correlation] Vera Gaspar D, et al. **Ginecol Obstet Mex** 44(265):365–75, Nov 78 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Recent results of in vitro drug prediction in human tumour chemotherapy. Nissen E, et al. **Arch Geschwulstforsch** 48(7):667–72, 1978

Ovarian cancer. Hudson CN. **Br J Hosp Med** 20(5):568–74, Nov 78

The use of cytotoxic chemotherapy in conjunction with gynaecological surgery. Guthrie D. **Clin Obstet Gynaecol** 5(3):709–27, Dec 78 (22 ref.)

The place of surgery in the treatment of ovarian cancer. Hudson CN. **Clin Obstet Gynaecol** 5(3):695–708, Dec 78

Kinetics of cis–dichlorodiammineplatinum. Gormley PE, et al. **Clin Pharmacol Ther** 25(3):351–7, Mar 79

Adriamycin in ovarian cancer patients resistant to cyclophosphamide. Bolis G, et al. **Eur J Cancer** 14(12):1401–2, Dec 78

VM26 (NSC–122819): a clinical study in advanced cancer of the lung and ovary. Samson MK, et al. **Eur J Cancer** 14(12):1395–9, Dec 78

In vitro sensitivity testing of cells of histologically typified ovarian carcinomas and carcinoma of corpus with 3H–cyclophosphamide–metabolites in the serum of man after massive dose therapy. Wetzel V, et al. **Int J Clin Pharmacol Biopharm** 16(12):600–6, Dec 78

Therapy of advanced ovarian carcinoma [letter] **N Engl J Med** 300(12):676–7, 22 Mar 79

The role of cis–platinum in solid–tumor therapy. Einhorn LH, et al. **N Engl J Med** 300(6):289–91, 8 Feb 79 (19 ref.)

[Comprehensive treatment of ovarian cancer (author's transl)] Dvořák O, et al. **Cesk Gynekol** 43(10):745–8, Nov 78 (Eng. Abstr.) **(Cze)**

[Platinum in tumor therapy (news)] **MMW** 121(4):119, 26 Jan 79 **(Ger)**

[Our observations on the treatment of ovarian carcinoma with cytostatics] Krstalić V, et al. **Med Pregl** 31(11–12):521–2, 1978 **(Scc)**

EMBRYOLOGY

Endodermal variant of mature cystic teratoma of the ovary: report of a case. Clement PB, et al. **Cancer** 43(1):383–5, Jan 79

ENZYMOLOGY

Evaluation of 3,4–dinitrophenyl tetra–N–acetyl–beta–chitotetraoside as a substrate for the measurement of lysozyme in normal and pathological sera. Turner GA, et al. **Ann Clin Biochem** 16(1):51–3, Jan 79

Human benign ovarian teratomas: chromosomal and electrophoretic enzyme studies. Patil SR, et al. **Birth Defects** 14(6B):297–301, 1978

Correlation of UDP–galactose glycoprotein:galactosyltransferase levels in the sera with the clinical status of ovarian cancer patients. Chatterjee SK, et al. **Cancer Lett** 5(5):239–44, Nov 78

ETIOLOGY

Mixed mesodermal tumor and clear cell carcinoma arising in ovarian endometriosis. Cooper P. **Cancer** 42(6):2827–31, Dec 78

Postnatal formation of ovarian stroma and its relation to ovarian pathology. Hughesdon PE. **Int J Gynaecol Obstet** 16(1):8–19, 1978

FAMILIAL & GENETIC

Bilateral gonadoblastoma in a phenotypic female with 45,X/46,X, dicentric iso Y [45,X/46,X,idic(Yq)] mosaicism. King CR, et al. **Birth Defects** 14(6C):109–22, 1978

Human benign ovarian teratomas: chromosomal and electrophoretic enzyme studies. Patil SR, et al. **Birth Defects** 14(6B):297–301, 1978

Cytogenetic and clinical notes on a girl with a 46,X,i(Yq) karyotype, H–Y antigen–negative, and a gonadoblastoma. Rary JM, et al. **Birth Defects** 14(6C):97–107, 1978

The Turner syndrome and the Y chromosome: mechanisms of diminished Y–determined maleness. Riccardi VM, et al. **Birth Defects** 14(6C):123–32, 1978

True hermaphrodite with multiple gonadal neoplasms: report of a case with cytogenetic study. Radharrishnan S, et al. **Cancer** 42(6):2726–32, Dec 78

Human gene mapping by postreduction and recombination frequencies under complete interference. Ott J. **Clin Genet** 15(1):11–6, Jan 79

IMMUNOLOGY

Possibility of immunodiagnosis in ovarian cancer. **Gynecol Obstet Invest** 9(2–3):98–108, 1978

HLA frequencies in cancer: a third study. Perdue ST, et al. **IARC Sci Publ** (20):263–9, 1978

Effects on in vitro tumor growth of macrophages isolated from human ascitic ovarian tumors. Mantovani A, et al. **Int J Cancer** 23(2):157–64, Feb 79

The possibilities for early diagnosis of ovarian carcinoma [editorial] Rush RW, et al. **S Afr Med J** 54(12):464, 16 Sep 78

Fc receptor–like structures on in vitro–cultured human ovarian tumor cells. Colnaghi MI, et al. **Tumori** 64(6):587–96, Nov–Dec 78

METABOLISM

A combined biochemical and histochemical study on steroid metabolism in mouse ovary and ovarian tumours. Snoeijing R, et al. **Acta Histochem [Suppl] (Jena)** 14:119–28, 1975

Kinetics of cis–dichlorodiammineplatinum. Gormley PE, et al. **Clin Pharmacol Ther** 25(3):351–7, Mar 79

Strumal carcinoid of the ovary: histological, ultrastructural, and immunohistological studies with anti–human thyroglobulin. Ueda G, et al. **Gynecol Oncol** 6(5):411–9, Oct 78

Estrogen and progestin binding in cytosols of ovarian adenocarcinomas. Holt JA, et al. **Obstet Gynecol** 53(1):50–8, Jan 79

[Histochemical characteristics of the mucus in pseudomyxoma peritonei] Karseladze AI. **Arkh Patol** 40(11):57–61, 1978 (Eng. Abstr.) **(Rus)**

[Lipid–cellular (lipoid–cellular) tumors of the ovaries] Sheĭnin PI. **Probl Endokrinol (Mosk)** 25(1):23–8, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

MORTALITY

Cystadenofibromas of the ovary with epithelial atypia. Kao GF, et al. **Am J Surg Pathol** 2(4):357–63, Dec 78

Recent results of in vitro drug prediction in human tumour chemotherapy. Nissen E, et al. **Arch Geschwulstforsch** 48(7):667–72, 1978

The use of cytotoxic chemotherapy in conjunction with gynaecological surgery. Guthrie D. **Clin Obstet Gynaecol** 5(3):709–27, Dec 78 (22 ref.)

Germ cell malignancies of the ovary. Creasman WT, et al. **Obstet Gynecol** 53(2):226–30, Feb 79

Granulosa cell tumors. A clinical review of 61 cases. Pankratz E, et al. **Obstet Gynecol** 52(6):718–23, Dec 78

The five–year survival rate in urban patients with ovarian carcinoma. Rush RW, et al. **S Afr Med J** 54(12):471–2, 16 Sep 78

Ultrasonography in the diagnosis of tumors of the ovary. DeLand M, et al. **Surg Gynecol Obstet** 148(3):346–8, Mar 79

OCCURRENCE

Cancer of ovary in Israel (1966–1971). Schenker JG, et al. **Gynecol Oncol** 6(5):397–410, Oct 78

Mucinous cystadenomas of the ovary: analysis of cases at Charleston Area Medical Center, Memorial Division. Poole TR. **W Va Med J** 75(2):35–8, Feb 79

[Malignant tumors of the ovary. Biological and epidemiological behavior] Mossetti C, et al. **Minerva Ginecol** 30(12):1111–22, Dec 78 **(Ita)**

PARASITOLOGY

Schistosoma mansoni worm in ovarian cystic teratoma. A case report. Kahn HJ, et al. **S Afr Med J** 54(16):673–4, 14 Oct 78

PATHOLOGY

Psammoma bodies in cervico–vaginal smears. Case report and review of the literature. Tutschka BG, et al. **Acta Cytol (Baltimore)** 22(6):507–10, Nov–Dec 78

Cystadenofibromas of the ovary with epithelial atypia. Kao GF, et al. **Am J Surg Pathol** 2(4):357–63, Dec 78

Proliferative serous tumors of the ovary. Histologic features and prognosis. Katzenstein AL, et al. **Am J Surg Pathol** 2(4):339–55, Dec 78

Endometriosis in peritoneal gliomatosis [letter] Albukerk JN, et al. **Arch Pathol Lab Med** 103(2):98–9, Feb 79

Distinction of benign from malignant ovarian cysts by ultrasound. Meire HB, et al. **Br J Obstet Gynaecol** 85(12):893–9, Dec 78

Endodermal variant of mature cystic teratoma of the ovary: report of a case. Clement PB, et al. **Cancer** 43(1):383–5, Jan 79

Mixed mesodermal tumor and clear cell carcinoma arising in ovarian endometriosis. Cooper P. **Cancer** 42(6):2827–31, Dec 78

Stromomyoma of the uterus. Tang CK, et al. **Cancer** 43(1):308–16, Jan 79

Retroperitoneal metastatic spread of ovarian cancer. Creasman WT, et al. **Gynecol Oncol** 6(5):447–50, Oct 78

Cancer of ovary in Israel (1966–1971). Schenker JG, et al. **Gynecol Oncol** 6(5):397–410, Oct 78

Ovarian myxoma. Majmudar B, et al. **Hum Pathol** 9(6):723–5, Nov 78

Yolk sac tumors with pure and mixed polyvesicular vitelline patterns. Nogales FF Jr, et al. **Hum Pathol** 9(5):553–66, Sep 78

Germ cell tumours of the ovary—a histopathological study. Tyagi SP, et al. **Indian J Pathol Microbiol** 21(2):97–105, Apr 78

Repeat laparotomy as a preclinical diagnostic and therapeutic method for treating ovarian carcinoma. Grönroos M, et al. **Int J Gynaecol Obstet** 16(3):190–3, 1978–79

Germ cell malignancies of the ovary. Creasman WT, et al. **Obstet Gynecol** 53(2):226–30, Feb 79

Trophoblastic proteins in ovarian carcinoma. Crowther ME, et al. **Obstet Gynecol** 53(1):59–61, Jan 79

Living cytology—revisited. In vitro demonstration of intraabdominal adenocarcinomatosis. Monif GR, et al. **Obstet Gynecol** 53(2):231–6, Feb 79

Metastatic bone involvement in gynecological malignancies. Brufman G, et al. **Radiol Clin (Basel)** 47(6):456–63, 1978

Schistosoma mansoni worm in ovarian cystic teratoma. A case report. Kahn HJ, et al. **S Afr Med J** 54(16):673–4, 14 Oct 78

Malignant Brenner tumor of the ovary: case report with a review of the literature. Chiarelli SM, et al. **Tumori** 64(6):597–605, Nov–Dec 78 (29 ref.)

Malignant lymphoma, Burkitt's type: histologic report of two cases in Italy. Porrazzi LC, et al. **Tumori** 64(6):645–8, Nov–Dec 78

Mucinous cystadenomas of the ovary: analysis of cases at Charleston Area Medical Center, Memorial Division. Poole TR. **W Va Med J** 75(2):35–8, Feb 79

Squamous metaplasia of renal tubular epithelium in a dog with a granulosa cell tumour. Wouda W, et al. **Zentralbl Veterinaermed [A]** 25(6):499–502, Jul 78

[Vaginal needle biopsy in large pelvic tumors for the purpose of histological evaluation. Preliminary study with a proposal for a new biopsy technic employing needles of 2 calibers] Serup J. **Ugeskr Laeger** 141(6):355–7, 5 Feb 79 (Eng. Abstr.) **(Dan)**

[A case of granulosa cell tumor associated with clinical signs of virilism (author's transl)] Gueorgiev T, et al. **Ann Endocrinol (Paris)** 39(4):313–7, Jul–Aug 78 (Eng. Abstr.) **(Fre)**

[Cowden's disease (multiple hamartoma syndrome). Review of the literature in connection with 1 case] Civatte J, et

al. **Ann Med Interne (Paris)** 129(10):593–9, Oct 78 (18 ref.) **(Fre)**

[Histological study of 'facial structures' found within the ovarian embryomas] Mascres C, et al. **Rev Odontostomatol Midi Fr** 34(1):3–18, 1976 **(Fre)**

[Adenomatoid tumor of the ovary and vagina (author's transl)] Lorenz G. **Zentralbl Gynaekol** 100(21):1412–6, 1978 (Eng. Abstr.) **(Ger)**

[Status of the therapeutic service to ovarian cancer patients in the hospitals of oncological and general treatment institutions] Nechaeva ID, et al. **Akush Ginekol (Mosk)** (12):32–4, Dec 78 (Eng. Abstr.) **(Rus)**

[Lipid-cellular (lipoid-cellular) tumors of the ovaries] Sheinin PI. **Probl Endokrinol (Mosk)** 25(1):23–8, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

[Urgent tasks in resolving the problems of malignant ovarian tumors (for a study of the 1st stage of the disease)] Nechaeva ID. **Vopr Onkol** 24(12):84–91, 1978 **(Rus)**

[Giant ovarian cystoma (a case from practice)] Mamakeev MM, et al. **Zdravookhr Kirg** (6):50–1, Nov–Dec 78 **(Rus)**

[Luteoma of pregnancy: report of a case] Claver M, et al. **Acta Obstet Ginecol Hisp Lusit** 26(7):425–31, Oct 78 **(Spa)**

[Gonadal tumors in children (author's transl)] Gutiérrez Cantó MA, et al. **An Esp Pediatr** 11(12):893–8, Dec 78 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

[Occurence of ovary tumors in ovary resting after surgical removal of other ovary due to neoplasm (author's transl)] Różewicki S, et al. **Przegl Lek** 35(12):901–3, 1978 **(Pol)**

RADIOGRAPHY

Prospective comparison of ultrasound and computed tomography in the evaluation of gynecologic pelvic masses. Walsh JW, et al. **AJR** 131(6):955–60, Dec 78

[Pelvipneumography: anatomoclicnical and radiological correlation] Vera Gaspar D, et al. **Ginecol Obstet Mex** 44(265):365–75, Nov 78 (Eng. Abstr.) **(Spa)**

RADIOTHERAPY

Ovarian cancer. Hudson CN. **Br J Hosp Med** 20(5):568–74, Nov 78

Limited epithelial carcinoma of the ovary treated with curative intent by the intraperitoneal installation of radiocolloids. Pezner RD, et al. **Cancer** 42(6):2563–71, Dec 78

Granulosa cell tumors. A clinical review of 61 cases. Pankratz E, et al. **Obstet Gynecol** 52(6):718–23, Dec 78

[Results of the intraperitoneal application of radioactive gold in cases of ovarian cancer (author's transl)] Möhlen KH, et al. **Geburtshilfe Frauenheilkd** 38(12):1075–8, Dec 78 (Eng. Abstr.) **(Ger)**

[Pseudomyxoma peritonei. Effect of radiogold therapy] Möhlen K, et al. **Zentralbl Gynaekol** 100(21):1408–11, 1978 (Eng. Abstr.) **(Ger)**

SURGERY

Recent results of in vitro drug prediction in human tumour chemotherapy. Nissen E, et al. **Arch Geschwulstforsch** 48(7):667–72, 1978

Ovarian cancer. Hudson CN. **Br J Hosp Med** 20(5):568–74, Nov 78

The use of cytotoxic chemotherapy in conjunction with gynaecological surgery. Guthrie D. **Clin Obstet Gynaecol** 5(3):709–27, Dec 78 (22 ref.)

The place of surgery in the treatment of ovarian cancer. Hudson CN. **Clin Obstet Gynaecol** 5(3):695–708, Dec 78

The surgical treatment of endometriosis. Smith T. **Clin Obstet Gynaecol** 5(3):557–70, Dec 78

Repeat laparotomy as a preclinical diagnostic and therapeutic method for treating ovarian carcinoma. Grönroos M, et al. **Int J Gynaecol Obstet** 16(3):190–3, 1978–79

Granulosa cell tumors. A clinical review of 61 cases. Pankratz E, et al. **Obstet Gynecol** 52(6):718–23, Dec 78

Ultrasonography in the diagnosis of tumors of the ovary. DeLand M, et al. **Surg Gynecol Obstet** 148(3):346–8, Mar 79

[Comprehensive treatment of ovarian cancer (author's transl)] Dvořák O, et al. **Cesk Gynekol** 43(10):745–8, Nov 78 (Eng. Abstr.) **(Cze)**

[Results of the intraperitoneal application of radioactive gold in cases of ovarian cancer (author's transl)] Möhlen KH, et al. **Geburtshilfe Frauenheilkd** 38(12):1075–8, Dec 78 (Eng. Abstr.) **(Ger)**

[Occurence of ovary tumors in ovary resting after surgical removal of other ovary due to neoplasm (author's transl)] Różewicki S, et al. **Przegl Lek** 35(12):901–3, 1978 **(Pol)**

THERAPY

Advances in childhood solid tumors. Sinks LF, et al. **Adv Pediatr** 25:415–50, 1978 (127 ref.)

Ovarian cancer. Hudson CN. **Br J Hosp Med** 20(5):568–74, Nov 78

Correlation of UDP-galactose glycoprotein:galactosyltransferase levels in the sera with the clinical status of ovarian cancer patients. Chatterjee SK, et al. **Cancer Lett** 5(5):239–44, Nov 78

Retroperitoneal metastatic spread of ovarian cancer. Creasman WT, et al. **Gynecol Oncol** 6(5):447–50, Oct 78

Cancer of ovary in Israel (1966–1971). Schenker JG, et al. **Gynecol Oncol** 6(5):397–410, Oct 78

Yolk sac tumors with pure and mixed polyvesicular vitelline patterns. Nogales FF Jr, et al. **Hum Pathol** 9(5):553–66, Sep 78

Ovarian carcinoma--the challenge [editorial] Solomon HJ. **Med J Aust** 2(6):241–2, 9 Sep 78

Germ cell malignancies of the ovary. Creasman WT, et al. **Obstet Gynecol** 53(2):226–30, Feb 79

[Comprehensive treatment of ovarian cancer (author's transl)] Dvořák O, et al. **Cesk Gynekol** 43(10):745–8, Nov 78 (Eng. Abstr.) **(Cze)**

[Status of the therapeutic service to ovarian cancer patients in the hospitals of oncological and general treatment institutions] Nechaeva ID, et al. **Akush Ginekol (Mosk)** (12):32–4, Dec 78 (Eng. Abstr.) **(Rus)**

[Urgent tasks in resolving the problems of malignant ovarian tumors (for a study of the 1st stage of the disease)] Nechaeva ID. **Vopr Onkol** 24(12):84–91, 1978 **(Rus)**

ULTRASTRUCTURE

Strumal carcinoid of the ovary: histological, ultrastructural, and immunohistological studies with anti-human thyroglobulin. Ueda G, et al. **Gynecol Oncol** 6(5):411–9, Oct 78

Pure Sertoli cell tumour of the ovary: report of a case with ultrastructural observations. Harris M, et al. **Histopathology** 2(6):449–59, Nov 78

Estrogen and progestin binding in cytosols of ovarian adenocarcinomas. Holt JA, et al. **Obstet Gynecol** 53(1):50–8, Jan 79

URINE

[Hormonal status and the clinical course of ovarian cancer] Livshits MA, et al. **Akush Ginekol (Mosk)** (12):29–31, Dec 78 (Eng. Abstr.) **(Rus)**

VETERINARY

Squamous metaplasia of renal tubular epithelium in a dog with a granulosa cell tumour. Wouda W, et al. **Zentralbl Veterinaermed [A]** 25(6):499–502, Jul 78

OVARY

ABNORMALITIES

[Case of ovarian tumor in a 10-year-old girl with gonadal dysgenesis, illustrating the need for evaluation of sexual development in the course of diagnostic procedures] Ordyniec J, et al. **Ginekol Pol** 49(9):801–3, Sep 78 (Eng. Abstr.) **(Pol)**

PSEUDOHERMAPHRODITISM

The nosology of male pseudohermaphroditism due to androgen insensitivity. Pinsky L. **Birth Defects** 14(6C):73–95, 1978 (88 ref.)

CLASSIFICATION

The nosology of male pseudohermaphroditism due to androgen insensitivity. Pinsky L. **Birth Defects** 14(6C):73–95, 1978 (88 ref.)

DIAGNOSIS

Ambiguous genitals and the choice of gender. Kiss P, et al. **Acta Paediatr Acad Sci Hung** 19(3):191–8, 1978

FAMILIAL & GENETIC

The nosology of male pseudohermaphroditism due to androgen insensitivity. Pinsky L. **Birth Defects** 14(6C):73–95, 1978 (88 ref.)
[Male pseudo–hermaphroditism among Indians from Uaçá] Vieira Filho JP. **AMB** 22(4):129–33, Apr 76 (Eng. Abstr.) **(Por)**

PATHOLOGY

[Isolated type I incomplete male pseudohermaphroditism] Gómez Saez JM, et al. **Rev Clin Esp** 151(1):73–6, 15 Oct 78 **(Spa)**

SURGERY

Problems of sex differentiation––surgical correction. Jones HW Jr. **Birth Defects** 14(6C):63–71, 1978

PUBERTY, PRECOCIOUS

ETIOLOGY

Neuroradiologic study of hamartomas of the tuber cinereum and hypothalamus. Lin SR, et al. **Neuroradiology** 16:17–9, 1978
[Precocious puberty due to hypothalamic hamartoma] Sallum J, et al. **AMB** 23(3):93–6, May 77 (Eng. Abstr.) **(Por)**

SERTOLI CELL TUMOR

PATHOLOGY

Stromomyoma of the uterus. Tang CK, et al. **Cancer** 43(1):308–16, Jan 79

ULTRASTRUCTURE

Pure Sertoli cell tumour of the ovary: report of a case with ultrastructural observations. Harris M, et al. **Histopathology** 2(6):449–59, Nov 78

SEX CHROMOSOME ABNORMALITIES

Psychiatric examination of all eight adult males with the karyotype 46,XX diagnosed in Denmark till 1976. Sørensen K, et al. **Acta Psychiatr Scand** 59(2):153–63, Feb 79
Bilateral gonadoblastoma in a phenotypic female with 45,X/46,X, dicentric iso Y [45,X/46,X,idic(Yq)] mosaicism. King CR, et al. **Birth Defects** 14(6C):109–22, 1978
Cytogenetic and clinical notes on a girl with a 46,X,i(Yq) karyotype, H–Y antigen–negative, and a gonadoblastoma. Rary JM, et al. **Birth Defects** 14(6C):97–107, 1978
More on marker X chromosomes, mental retardation and macro–orchidism [letter] Jacobs PA, et al. **N Engl J Med** 300(13):737–8, 29 Mar 79
Testicular regression syndrome. Coulam CB. **Obstet Gynecol** 53(1):44–9, Jan 79
Possible immunologic bases of preeclampsia/eclampsia. Beer AE. **Semin Perinatol** 2(1):39–59, Jan 78
[Endocrinologic studies on the syndrome of the XX–male] Schweikert HU, et al. **Verh Dtsch Ges Inn Med** (84):1416–9, 1978 **(Ger)**
[Karyotypes of Japanese otosclerotic patients: with reference to triple–X female (author's transl)] Sakai M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 81(11):1432–8, Nov 78 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Ambiguous genitals and the choice of gender. Kiss P, et al. **Acta Paediatr Acad Sci Hung** 19(3):191–8, 1978
Prenatal diagnosis of genetic defects. Laxova R. **Postgrad Med** 65(3):247–52, Mar 79
Buccal smears and numerical sex chromosome anomalies. Close HG, et al. **S Afr Med J** 54(14):557–61, 30 Sep 78
[Prenatal diagnosis of malformations by ultrasound (author's transl)] Schlensker KH. **Zentralbl Gynaekol** 100(23):1538–54, 1978 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Chronic granulomatous disease, the McLeod syndrome, and the Kell blood groups. Marsh WL. **Birth Defects** 14(6A):9–25, 1978 (42 ref.)
True hermaphroditism: etiology and phenotypic considerations. Simpson JL. **Birth Defects** 14(6C):9–35, 1978 (188 ref.)
H–Y antigen and abnormal sex differentiation. Wachtel SS, et al. **Birth Defects** 14(6C):1–7, 1978 (19 ref.)
Urinary tract malformation in the XYY male. Machin GA. **Clin Genet** 14(6):370–2, Dec 78
Mosaicism in XX males. Miró R, et al. **Hum Genet** 45(1):103–6, 24 Nov 78
XY gonadal dysgenesis [letter] Rushton DI. **Lancet** 1(8109):209, 27 Jan 79

OCCURRENCE

A cytogenetic survey of consecutive liveborn infants–incidence and type of chromosome abnormalities. Maeda T, et al. **Jinrui Idengaku Zasshi** 23(3):217–24, Sep 78
Buccal smears and numerical sex chromosome anomalies. Close HG, et al. **S Afr Med J** 54(14):557–61, 30 Sep 78

PATHOLOGY

Evidence for an association between univalent Y chromosomes and spermatoycte loss in XYY mice and men. Burgoyne PS. **Cytogenet Cell Genet** 23(1–2):84–9, 1979
XY gonadal dysgenesis [letter] Rushton DI. **Lancet** 1(8109):209, 27 Jan 79

SEX DIFFERENTIATION DISORDERS

DIAGNOSIS

Ambiguous genitals and the choice of gender. Kiss P, et al. **Acta Paediatr Acad Sci Hung** 19(3):191–8, 1978

FAMILIAL & GENETIC

H–Y antigen and abnormal sex differentiation. Wachtel SS, et al. **Birth Defects** 14(6C):1–7, 1978 (19 ref.)
Recessive sex–determining genes in human XX male syndrome. de la Chapelle A, et al. **Cell** 15(3):837–42, Nov 78
Absence of H–Y antigen in XY females with dysgenetic gonads. Ghosh SN, et al. **Nature** 276(5684):180–1, 9 Nov 78

IMMUNOLOGY

Absence of H–Y antigen in XY females with dysgenetic gonads. Ghosh SN, et al. **Nature** 276(5684):180–1, 9 Nov 78

STEIN–LEVENTHAL SYNDROME

BLOOD

[Gonadotropic regulation of ovarian function in patients with polycystic ovaries] Dobracheva AD, et al. **Probl Endokrinol (Mosk)** 25(1):19–23, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

[The heterogeneity of micropolycystic ovary syndrome. 77 cases (author's transl)] Bremond A, et al. **Nouv Presse Med** 7(41):3733–6, 25 Nov 78 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Hyperthecosis syndrome. Clinical, endocrinologic and histologic findings. Karam K, et al. **Acta Obstet Gynecol Scand** 58(1):73–9, 1979
[Unusual forms of the congenital adrenal cortex hyperplasia syndrome] Lisá L, et al. **Cesk Pediatr** 33(10):603–5, Oct 78 (Eng. Abstr.) **(Cze)**
[The heterogeneity of micropolycystic ovary syndrome. 77 cases (author's transl)] Bremond A, et al. **Nouv Presse Med** 7(41):3733–6, 25 Nov 78 (Eng. Abstr.) **(Fre)**

[Pneumopelviography in the diagnosis of Stein-Leventhal syndrome] Pamfamirov IuK, et al.
Vestn Rentgenol Radiol (6):52-5, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

[Syndrome of familial polycystic ovaries (Stein-Leventhal type): serum levels of luteinizing and follicle stimulating hormones before and after wedge resection of the ovaries] Toledo SP, et al. **AMB** 23(3):79-82, May 77 (Eng. Abstr.) **(Por)**

METABOLISM

The metabolic clearance rate of cortisol in normal subjects and in various disease states. Scavo D, et al.
J Nucl Med Allied Sci 22(3):113-23, Jul-Sep 78
[Gonadotropic regulation of ovarian function in patients with polycystic ovaries] Dobracheva AD, et al.
Probl Endokrinol (Mosk) 25(1):19-23, Jan-Feb 79 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Significant hormonal changes in patterns of lipid granules in vaginal exfoliated cells. Maillet M, et al.
Acta Cytol (Baltimore) 22(6):479-82, Nov-Dec 78
Hyperthecosis syndrome. Clinical, endocrinologic and histologic findings. Karam K, et al.
Acta Obstet Gynecol Scand 58(1):73-9, 1979
Ultrastructure of the collagen fibril. I. Some features of the structure of the collagen fibril. Petkov R. **Anat Anz** 144(4):301-18, Sep 78

PHYSIOPATHOLOGY

Hyperthecosis syndrome. Clinical, endocrinologic and histologic findings. Karam K, et al.
Acta Obstet Gynecol Scand 58(1):73-9, 1979

RADIOGRAPHY

Radiographic abnormalities in patients with Stein-Leventhal syndrome. Tzingounis V, et al. **Int J Gynaecol Obstet** 16(2):167-9, 1978-79
[Pneumopelviography in the diagnosis of Stein-Leventhal syndrome] Pamfamirov IuK, et al.
Vestn Rentgenol Radiol (6):52-5, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

SURGERY

[The heterogeneity of micropolycystic ovary syndrome. 77 cases (author's transl)] Bremond A, et al.
Nouv Presse Med 7(41):3733-6, 25 Nov 78 (Eng. Abstr.) **(Fre)**
[Syndrome of familial polycystic ovaries (Stein-Leventhal type): serum levels of luteinizing and follicle stimulating hormones before and after wedge resection of the ovaries] Toledo SP, et al. **AMB** 23(3):79-82, May 77 (Eng. Abstr.) **(Por)**

STRUMA OVARII

PATHOLOGY

Germ cell tumours of the ovary--a histopathological study. Tyagi SP, et al. **Indian J Pathol Microbiol** 21(2):97-105, Apr 78

TESTICULAR DISEASES

CHEMICALLY INDUCED

Morphometric study of testicle alterations in rats submitted to hypervitaminosis A. Lamano Carvalho TL, et al.
Int J Vitam Nutr Res 48(4):307-15, 1978
Morphometric study of the reversibility of testicle alterations in rats submitted to hypervitaminosis A. Lamano Carvalho TL, et al. **Int J Vitam Nutr Res** 48(4):316-24, 1978

COMPLICATIONS

Gonadal lesions in transsexualism [letter] Ionescu B, et al.
Br J Psychiatry 134:126, Jan 79

Pathological aspects of the infertile testis. Wong TW, et al.
Urol Clin North Am 5(3):503-30, Oct 78 (58 ref.)

ETIOLOGY

Malacoplakia of epididymis. Guccion JG, et al. **Urology** 12(6):713-6, Dec 78
[Unilateral testicular atrophy (letter)] Hohenfellner R.
Dtsch Med Wochenschr 104(4):126, 26 Jan 79 **(Ger)**

MICROBIOLOGY

Testicular pathology of Merino rams. Watt DA.
Aust Vet J 54(10):473-8, Oct 78
Malacoplakia of epididymis. Guccion JG, et al. **Urology** 12(6):713-6, Dec 78

OCCURRENCE

Testicular pathology of Merino rams. Watt DA.
Aust Vet J 54(10):473-8, Oct 78

PATHOLOGY

Morphometric study of the reversibility of testicle alterations in rats submitted to hypervitaminosis A. Lamano Carvalho TL, et al. **Int J Vitam Nutr Res** 48(4):316-24, 1978
Morphometric study of testicle alterations in rats submitted to hypervitaminosis A. Lamano Carvalho TL, et al.
Int J Vitam Nutr Res 48(4):307-15, 1978
Pathological aspects of the infertile testis. Wong TW, et al.
Urol Clin North Am 5(3):503-30, Oct 78 (58 ref.)
Malacoplakia of epididymis. Guccion JG, et al. **Urology** 12(6):713-6, Dec 78

RADIOGRAPHY

Soft tissue radiography of the testes. Loveday BJ, et al.
Clin Radiol 29(6):685-9, Nov 78

RADIONUCLIDE IMAGING

[Orchiscanning: technique and applications (author's transl)] Ugolotti G, et al. **Radiol Med (Torino)** 64(5):595-8, May 78 **(Ita)**

VETERINARY

Testicular pathology of Merino rams. Watt DA.
Aust Vet J 54(10):473-8, Oct 78

TESTICULAR FEMINIZATION

BLOOD

Spontaneous breast development in an adolescent girl with testicular feminization after castration in early childhood. Andler W, et al. **J Pediatr** 94(2):304-5, Feb 79
[Gonadotropin secretion in patients with testicular feminization] Valkov I, et al. **Zentralbl Gynaekol** 100(21):1399-402, 1978 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Carcinoma-in-situ of testis in testicular feminization syndrome. Skakkebaek NE.
Acta Pathol Microbiol Scand [A] 87(1):87-9, Jan 79

DIAGNOSIS

Ambiguous genitals and the choice of gender. Kiss P, et al.
Acta Paediatr Acad Sci Hung 19(3):191-8, 1978
The nosology of male pseudohermaphroditism due to androgen insensitivity. Pinsky L. **Birth Defects** 14(6C):73-95, 1978 (88 ref.)
Testicular regression syndrome. Coulam CB.
Obstet Gynecol 53(1):44-9, Jan 79

FAMILIAL & GENETIC

H-Y antigen and abnormal sex differentiation. Wachtel SS, et al. **Birth Defects** 14(6C):1-7, 1978 (19 ref.)

PATHOLOGY

Carcinoma-in-situ of testis in testicular feminization syndrome. Skakkebaek NE.
Acta Pathol Microbiol Scand [A] 87(1):87-9, Jan 79

Ultrastructural study of gonads in the complete and incomplete feminization syndrome. Millonig G, et al. **Gynecol Obstet Invest** 9(1):16–31, 1978

PHYSIOPATHOLOGY

Spontaneous breast development in an adolescent girl with testicular feminization after castration in early childhood. Andler W, et al. **J Pediatr** 94(2):304–5, Feb 79

TESTICULAR NEOPLASMS

Recent advances in testicular cancer. Javadpour N, et al. **Curr Probl Surg** 15(2):1–64, Feb 78 (125 ref.)
The National Cancer Institute experience with testicular cancer. Javadpour N. **J Urol** 120(6):651–9, Dec 78
Testicular tumors: the military experience. McLeod DG, et al. **Milit Med** 143(12):837–41, Dec 78
Simultaneous nasopharyngeal and testicular involvement as a presenting sign of malignant histiocytic lymphoma [letter] Shoenfeld Y, et al. **S Afr Med J** 54(12):469, 16 Sep 78

ANALYSIS

Human chorionic gonadotropin (HCG) and alpha–fetoprotein (AFP) in sera and tumor cells of patients with testicular seminoma: a prospective study. Javadpour N, et al. **Cancer** 42(6):2768–72, Dec 78
[Significance of alpha fetoprotein and human chorionic gonadotropin determination in malignant testicular tumors] Cerný V, et al. **Rozhl Chir** 57(12):833–8, Dec 78 (Eng. Abstr.) **(Cze)**
[Yolk sac tumor (author's transl)] Uchino J, et al. **Chir Pediatr** 19(1):33–7, 1978 (Eng. Abstr.) **(Fre)**

BLOOD

Human chorionic gonadotropin (HCG) and alpha–fetoprotein (AFP) in sera and tumor cells of patients with testicular seminoma: a prospective study. Javadpour N, et al. **Cancer** 42(6):2768–72, Dec 78
The role of alpha–fetoprotein and human chorionic gonadotropin in seminoma. Javadpour N, et al. **J Urol** 120(6):687–90, Dec 78
Serum markers in testicular tumors. Narayana AS, et al. **J Urol** 121(1):51–3, Jan 79
Circulation and emigration kinetics of blood lymphocytes in lymphoma patients. Bremer K, et al. **Lymphology** 11(4):231–7, Dec 78

CHEMICALLY INDUCED

A synergistic effect of nitrosodimethylamine on sterigmatocystin carcinogenesis in rats. Terao K, et al. **Food Cosmet Toxicol** 16(6):591–6, Dec 78

CLASSIFICATION

Recent advances in testicular cancer. Javadpour N, et al. **Curr Probl Surg** 15(2):1–64, Feb 78 (125 ref.)

COMPLICATIONS

True hermaphrodite with multiple gonadal neoplasms: report of a case with cytogenetic study. Radharrishnan S, et al. **Cancer** 42(6):2726–32, Dec 78
[Various considerations of endocrine changes in testicular tumors] Benlloch Navarro R. **Arch Esp Urol** 31(5):433–48, Sep–Oct 78 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Ambiguous genitals and the choice of gender. Kiss P, et al. **Acta Paediatr Acad Sci Hung** 19(3):191–8, 1978
Improved management of nonseminomatous testis tumors. Donohue JP, et al. **Cancer** 42(6):2903–8, Dec 78
Human chorionic gonadotropin (HCG) and alpha–fetoprotein (AFP) in sera and tumor cells of patients with testicular seminoma: a prospective study. Javadpour N, et al. **Cancer** 42(6):2768–72, Dec 78
Recent advances in testicular cancer. Javadpour N, et al. **Curr Probl Surg** 15(2):1–64, Feb 78 (125 ref.)
Leukemic infiltration of the testis during long–term remission. Rosenkrantz JG, et al. **J Pediatr Surg** 13(6D):753–6, Dec 78
Testicular tumors: the military experience. McLeod DG, et al. **Milit Med** 143(12):837–41, Dec 78
The fibromatoses of infancy and childhood. Rosenberg HS, et al. **Perspect Pediatr Pathol** 4:269–348, 1978 (132 ref.)
[Yolk sac tumor (author's transl)] Uchino J, et al. **Chir Pediatr** 19(1):33–7, 1978 (Eng. Abstr.) **(Fre)**
[Diagnosis and therapy of malignant testicular neoplasms] Douwes FR, et al. **Onkologie** 1(5):185–92, Oct 78 (Eng. Abstr.) **(Ger)**
[Surgical treatment of malignant testicular neoplasms] Truss F. **Onkologie** 1(6):234–7, Dec 78 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Adjuvant chemotherapy of testicular tumours. Mechl Z. **Arch Geschwulstforsch** 48(7):683–5, 1978
An indication of possible impending toxicity during moderately high dose methotrexate infusions. Paxton JW, et al. **Br J Clin Pharmacol** 6(6):551–2, Dec 78
Transient bleomycin–induced thrombocytopenia. A clinical study. Hilgard P, et al. **Eur J Cancer** 14(11):1261–4, Nov 78
Probable cure of acute lymphocytic leukemia following relapses. Dyment PG, et al. **JAMA** 241(8):829, 23 Feb 79
The role of cis–platinum in solid–tumor therapy. Einhorn LH, et al. **N Engl J Med** 300(6):289–91, 8 Feb 79 (19 ref.)
Fighting cancer—one patient's perspective. Fiore N. **N Engl J Med** 300(6):284–9, 8 Feb 79
[Long–term second remission in acute leukemia of childhood (author's transl)] Hansen HG, et al. **Klin Paediatr** 191(1):96–101, Jan 79 (Eng. Abstr.) **(Ger)**
[Platinum in tumor therapy (news)] **MMW** 121(4):119, 26 Jan 79 **(Ger)**
[Diagnosis and therapy of malignant testicular neoplasms] Douwes FR, et al. **Onkologie** 1(5):185–92, Oct 78 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Carcinoma–in–situ of testis in testicular feminization syndrome. Skakkebaek NE. **Acta Pathol Microbiol Scand [A]** 87(1):87–9, Jan 79
Bras, breast carcinoma, and cryptorchid testis [letter] King CR. **Lancet** 1(8106):45, 6 Jan 79
Testicular tumors: the military experience. McLeod DG, et al. **Milit Med** 143(12):837–41, Dec 78
[Testicular neoplasms—local increase. An epidemiological study] Conrad C, et al. **Ugeskr Laeger** 141(4):254–6, 22 Jan 79 (Eng. Abstr.) **(Dan)**

FAMILIAL & GENETIC

True hermaphrodite with multiple gonadal neoplasms: report of a case with cytogenetic study. Radharrishnan S, et al. **Cancer** 42(6):2726–32, Dec 78

IMMUNOLOGY

The National Cancer Institute experience with testicular cancer. Javadpour N. **J Urol** 120(6):651–9, Dec 78

MORTALITY

Adjuvant chemotherapy of testicular tumours. Mechl Z. **Arch Geschwulstforsch** 48(7):683–5, 1978
Stochastic compartmental modeling and parameter estimation with application to cancer treatment follow–up studies. El–Asfouri S, et al. **Bull Math Biol** 41(2):203–15, 1979

OCCURRENCE

[Testicular neoplasms—local increase. An epidemiological study] Conrad C, et al. **Ugeskr Laeger** 141(4):254–6, 22 Jan 79 (Eng. Abstr.) **(Dan)**

PATHOLOGY

Carcinoma–in–situ of testis in testicular feminization syndrome. Skakkebaek NE. **Acta Pathol Microbiol Scand [A]** 87(1):87–9, Jan 79
Stromomyoma of the uterus. Tang CK, et al. **Cancer** 43(1):308–16, Jan 79
Cytological and functional analysis of inflammatory infiltrates in human malignant tumors. I. Composition of the inflammatory infiltrates. Häyry P, et al. **Eur J Immunol** 8(12):866–71, Dec 78
Cytological and functional analysis of inflammatory infiltrates in human malignant tumors. II. Functional investigations of the infiltrating inflammatory cells. Tötterman TH, et al. **Eur J Immunol** 8(12):872–5, Dec 78
Testicular lymphoma: a clinicopathologic study of 22 cases. Mehrotra RM, et al. **Indian J Pathol Microbiol** 21(2):91–6, Apr 78

Leukemic infiltration of the testis during long-term remission. Rosenkrantz JG, et al. **J Pediatr Surg** 13(6D):753–6, Dec 78

Extranodal presentation of malignant lymphoma lymphoblastic in the testis of a child. Osborne AH, et al. **J R Nav Med Serv** 64(3):177–82, Winter 78

The role of alpha-fetoprotein and human chorionic gonadotropin in seminoma. Javadpour N, et al. **J Urol** 120(6):687–90, Dec 78

The National Cancer Institute experience with testicular cancer. Javadpour N. **J Urol** 120(6):651–9, Dec 78

[Yolk sac tumor (author's transl)] Uchino J, et al. **Chir Pediatr** 19(1):33–7, 1978 (Eng. Abstr.) **(Fre)**

[Diagnosis and therapy of malignant testicular neoplasms] Douwes FR, et al. **Onkologie** 1(5):185–92, Oct 78 (Eng. Abstr.) **(Ger)**

[Bilateral testicular neoplasms] Heinrichs HJ. **Z Urol Nephrol** 71(12):919–24, Dec 78 (Eng. Abstr.)**(Ger)**

[Gonadal tumors in children (author's transl)] Gutiérrez Cantó MA, et al. **An Esp Pediatr** 11(12):893–8, Dec 78 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

A reappraisal of the results of stopping therapy in childhood leukemia. George SL, et al. **N Engl J Med** 300(6):269–73, 8 Feb 79

RADIOGRAPHY

Soft tissue radiography of the testes. Loveday BJ, et al. **Clin Radiol** 29(6):685–9, Nov 78

The National Cancer Institute experience with testicular cancer. Javadpour N. **J Urol** 120(6):651–9, Dec 78

Computed tomography in the staging of testicular neoplasms. Lee JK, et al. **Radiology** 130(2):387–90, Feb 79

RADIOTHERAPY

Adjuvant chemotherapy of testicular tumours. Mechl Z. **Arch Geschwulstforsch** 48(7):683–5, 1978

Probable cure of acute lymphocytic leukemia following relapses. Dyment PG, et al. **JAMA** 241(8):829, 23 Feb 79

[Retrospective assessment of therapeutic results in cases of testicular germinal tumors other than classical seminoma] Puchalska B, et al. **Nowotwory** 28(4):413–20, Dec 78 (Eng. Abstr.) **(Pol)**

SURGERY

Adjuvant chemotherapy of testicular tumours. Mechl Z. **Arch Geschwulstforsch** 48(7):683–5, 1978

Primary carcinoid tumor of the testis: case report, ultrastructure and review of the literature. Talerman A, et al. **Cancer** 42(6):2696–706, Dec 78 (24 ref.)

Fighting cancer—one patient's perspective. Fiore N. **N Engl J Med** 300(6):284–9, 8 Feb 79

[Diagnosis and therapy of malignant testicular neoplasms] Douwes FR, et al. **Onkologie** 1(5):185–92, Oct 78 (Eng. Abstr.) **(Ger)**

[Surgical treatment of malignant testicular neoplasms] Truss F. **Onkologie** 1(6):234–7, Dec 78 (Eng. Abstr.) **(Ger)**

[A severe case of irreversible gastroenteric loss of protein] Dei Cas L, et al. **Minerva Dietol Gastroenterol** 24(3):279–82, Jul–Sep 78 **(Ita)**

[Removal of retroperitoneal lymph nodes through the transabdominal route in the treatment of malignant germinal testicular tumors] Kulakowski A, et al. **Nowotwory** 28(4):421–6, Dec 78 (Eng. Abstr.) **(Pol)**

THERAPY

Advances in childhood solid tumors. Sinks LF, et al. **Adv Pediatr** 25:415–50, 1978 (127 ref.)

Metastatic intracranial seminoma. Averback P, et al. **Arch Neurol** 36(1):40, Jan 79

Stochastic compartmental modeling and parameter estimation with application to cancer treatment follow-up studies. El-Asfouri S, et al. **Bull Math Biol** 41(2):203–15, 1979

Improved management of nonseminomatous testis tumors. Donohue JP, et al. **Cancer** 42(6):2903–8, Dec 78

Recent advances in testicular cancer. Javadpour N, et al. **Curr Probl Surg** 15(2):1–64, Feb 78 (125 ref.)

Leukemic infiltration of the testis during long-term remission. Rosenkrantz JG, et al. **J Pediatr Surg** 13(6D):753–6, Dec 78

Extranodal presentation of malignant lymphoma lymphoblastic in the testis of a child. Osborne AH, et al. **J R Nav Med Serv** 64(3):177–82, Winter 78

The National Cancer Institute experience with testicular cancer. Javadpour N. **J Urol** 120(6):651–9, Dec 78

The role of alpha-fetoprotein and human chorionic gonadotropin in seminoma. Javadpour N, et al. **J Urol** 120(6):687–90, Dec 78

Testicular tumors: the military experience. McLeod DG, et al. **Milit Med** 143(12):837–41, Dec 78

Chemotherapy of uroepithelial tumors. Goldstein G. **Prog Clin Biol Res** 25:105–15, 1978 (31 ref.)

[Treatment and prognosis of germinative testicular tumors] Srougi M, et al. **AMB** 24(9):313–6, Sep 78 (Eng. Abstr.) **(Por)**

ULTRASTRUCTURE

Primary carcinoid tumor of the testis: case report, ultrastructure and review of the literature. Talerman A, et al. **Cancer** 42(6):2696–706, Dec 78 (24 ref.)

TESTIS

ABNORMALITIES

Men with a distinct testicular hypoplasia: sexual development and activity. Raboch J, et al. **Andrologia** 11(1):19–24, Jan 79

Breed differences in abnormalities of the reproductive organs of young beef bulls. Chenoweth PJ, et al. **Aust Vet J** 54(10):463–8, Oct 78

Abnormalities of the Müllerian and Wolffian duct systems. Sarto GE, et al. **Birth Defects** 14(6C):37–54, 1978 (73 ref.)

Seminiferous tubule hypercurvature: A newly recognised common syndrome of human male infertility. Averback P, et al. **Lancet** 1(8109):181–3, 27 Jan 79

More on marker X chromosomes, mental retardation and macro-orchidism [letter] Jacobs PA, et al. **N Engl J Med** 300(13):737–8, 29 Mar 79

Testicular regression syndrome. Coulam CB. **Obstet Gynecol** 53(1):44–9, Jan 79

[Urological problems and genesis of the abdominal musculature aplasia syndrome] Kösters S, et al. **Z Urol Nephrol** 71(12):865–74, Dec 78 (Eng. Abstr.)**(Ger)**

INJURIES

[Traumatic amputation of the testicle. Successful reimplantation using microsurgery (author's transl)] Rodríguez Costa A, et al. **An Esp Pediatr** 11(12):865–7, Dec 78 (Eng. Abstr.) **(Spa)**

THECA CELL TUMOR

METABOLISM

[Lipid-cellular (lipoid-cellular) tumors of the ovaries] Sheinin PI. **Probl Endokrinol (Mosk)** 25(1):23–8, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Lipid-cellular (lipoid-cellular) tumors of the ovaries] Sheinin PI. **Probl Endokrinol (Mosk)** 25(1):23–8, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

[Luteoma of pregnancy: report of a case] Claver M, et al. **Acta Obstet Ginecol Hisp Lusit** 26(7):425–31, Oct 78 **(Spa)**

TURNER'S SYNDROME

XY gonadal dysgenesis [editorial] **Lancet** 1(8106):27, 6 Jan 79

BLOOD

Cytogenetic and endocrine studies in a 45,X female subject with spontaneous sexual development. Lisker R, et al. **Am J Obstet Gynecol** 133(2):149–53, 15 Jan 79

COMPLICATIONS

Lymphocytic thyroiditis, myasthenia gravis and Turner syndrome. Chen H, et al. **Birth Defects** 14(6A):137–47, 1978

The association of significant renal anomalies with Turner's syndrome. Litvak AS, et al. **J Urol** 120(6):671–2, Dec 78

Idiopathic diabetes insipidus occurring in a patient with

Turner's syndrome. Balkin MS, et al. **Mt Sinai J Med (NY)** 45(6):742–7, Nov–Dec 78

Association of congenital heart disease with syndromes or other defects. Noonan JA. **Pediatr Clin North Am** 25(4):797–816, Nov 78 (80 ref.)

DIAGNOSIS

Ambiguous genitals and the choice of gender. Kiss P, et al. **Acta Paediatr Acad Sci Hung** 19(3):191–8, 1978

Children with small stature [letter] Kelnar CJ, et al. **Br Med J** 2(6154):1790, 23–30 Dec 78

[Case of ovarian tumor in a 10-year-old girl with gonadal dysgenesis, illustrating the need for evaluation of sexual development in the course of diagnostic procedures] Ordyniec J, et al. **Ginekol Pol** 49(9):801–3, Sep 78 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Cytogenetic and endocrine studies in a 45,X female subject with spontaneous sexual development. Lisker R, et al. **Am J Obstet Gynecol** 133(2):149–53, 15 Jan 79

Follow-up on a human X-autosome translocation first studied in 1963 and 1964. Opitz JM, et al. **Birth Defects** 14(6C):365–75, 1978

The Turner syndrome and the Y chromosome: mechanisms of diminished Y-determined maleness. Riccardi VM, et al. **Birth Defects** 14(6C):123–32, 1978

Gonadal dysgenesis in association with autosomal chromosome aberration. Shapiro LR, et al. **Birth Defects** 14(6C):167–70, 1978

Pregnancy in five women with 45,X/46,XX and 45,X/47,XXX gonadal dysgenesis. Shokeir MH. **Birth Defects** 14(6C):171–84, 1978

No evidence for chromosomal mosaicism in multiple tissues of 10 patients with 45, XO Turner syndrome. Burns JL, et al. **Clin Genet** 15(1):22–8, Jan 79

Recombinant chromosome as a result of pericentric inversion of X chromosome. Nikoliš J, et al. **Hum Genet** 45(2):115–22, 18 Dec 78

Partial deletion of the X chromosome in gonadal dysgenesis 46,X,del(X)(p22) identified by BudR treatment. Petrinelli P, et al. **Hum Genet** 45(3):351–4, 29 Dec 78

XY gonadal dysgenesis [editorial] **Lancet** 1(8106):27, 6 Jan 79

IMMUNOLOGY

Lymphocytic thyroiditis, myasthenia gravis and Turner syndrome. Chen H, et al. **Birth Defects** 14(6A):137–47, 1978

PATHOLOGY

XY gonadal dysgenesis [letter] Rushton DI. **Lancet** 1(8109):209, 27 Jan 79

PHYSIOPATHOLOGY

Cytogenetic and endocrine studies in a 45,X female subject with spontaneous sexual development. Lisker R, et al. **Am J Obstet Gynecol** 133(2):149–53, 15 Jan 79

Follicular growth in fetal and prepubertal ovaries of humans and other primates. Peters H, et al. **Clin Endocrinol Metab** 7(3):469–85, Nov 78 (72 ref.)

RADIOGRAPHY

The association of significant renal anomalies with Turner's syndrome. Litvak AS, et al. **J Urol** 120(6):671–2, Dec 78

GONADS

III. *Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs*

ANABOLIC STEROIDS

[11-azasteroids. V. Hormonal properties of 11-azaestranes] Ivanenko TI, et al. **Probl Endokrinol (Mosk)** 25(1):62-8, Jan-Feb 79 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Peliosis hepatis: 2 new cases] Orbuch SJ, et al. **Acta Gastroenterol Latinoam** 8(2):85-90, Sep 78 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Synthetic fibrinolytic agents. Davidson JF, et al. **Prog Cardiovasc Dis** 21(5):375-96, Mar-Apr 79 (194 ref.)

[Effects of the nature of energy in food and use of anabolic agents on the quality of veal] Valin C, et al. **Ann Nutr Aliment** 32(4):857-67, 1978 (Eng. Abstr.) **(Fre)**

[Doping 78] S'Jongers JJ. **Brux Med** (12):647-53, Dec 78 **(Fre)**

THERAPEUTIC USE

The treatment of non-union and pseudarthrosis of the long bones with thick nails. Okhotsky VP, et al. **Injury** 10(2):92-8, Nov 78

Organic problems in the aged: brain syndromes and alcoholism: psychiatric aspects of the organic brain syndrome and pharmacological approaches to treatment. Ban TA. **J Geriatr Psychiatry** 11(2):135-59, 1978

[Peliosis hepatis: 2 new cases] Orbuch SJ, et al. **Acta Gastroenterol Latinoam** 8(2):85-90, Sep 78 (Eng. Abstr.) **(Spa)**

ANDROGEN ANTAGONISTS

[Antiandrogenic effects of 4-nitro-3-trifluoromethylisobutyrylanilide (niftolide) in prepubertal male rats during stimulation with exogenous gonadotropins] Varga SV, et al. **Probl Endokrinol (Mosk)** 25(1):52-7, Jan-Feb 79 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

First clinical experiences with hormone-therapy of pachydermia laryngis. Hussl B, et al. **Arch Otorhinolaryngol** 221(3):221-5, 31 Oct 78

THERAPEUTIC USE

[Modern trends in the treatment of prostatic carcinoma] Atanasov N, et al. **Khirurgiia (Sofiia)** 31(5):392-8, 1978 **(Bul)**

[Significance of serum testosterone and LH determination in the hormonal therapy of prostatic cancer] Scheinar J, et al. **Rozhl Chir** 57(12):805-12, Dec 78 (Eng. Abstr.) **(Cze)**

[Cryoimmunology and prostatic cancer] Sesia G. **J Urol Nephrol (Paris)** 83 Suppl 2:416-7, 1977 **(Fre)**

[Modern therapy of acne vulgaris. A therapy proposal for the management of uncomplicated cases] Gloor M. **Fortschr Med** 97(1):26-32, 4 Jan 79 (Eng. Abstr.) **(Ger)**

[Pathophysiology and therapy of skin diseases] Meinhof W. **MMW** 121(4):131-2, 26 Jan 79 **(Ger)**

ANDROGENS

ADMINISTRATION & DOSAGE

[Relation between erythropoiesis, androgens and prostaglandins (author's transl)] Beltrán Hernández J, et al. **Sangre (Barc)** 23(5):521-5, 1978 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Drug-induced alopecia. Maguire HC Jr. **Am Fam Physician** 19(1):178-9, Jan 79

Hormone administration during pregnancy and its effect on the offspring. Browne JC. **Contrib Gynecol Obstet** 5 1979 (31 ref.)

[Myeloproliferative disorder and hepatocellular adenoma following androgen treatment of a patient with aplastic anemia (author's transl)] Tsunematsu Y, et al. **Rinsho Ketsueki** 19(12):1699-707, Dec 78 **(Jpn)**

BLOOD

Steroid levels in the serum and seminal plasma during clomiphene therapy in hypofertile men. Sas M, et al. **Acta Med Acad Sci Hung** 35(2):159-65, 1978

Endocrinological and physiological features after steroid treatment of male rats. Hunt DM, et al. **Arch Androl** 1(4):311-20, Sep 78

Gonadotrophic hormone in the pituitary gland of the dogfish (Scyliorhinus canicula L): distribution and physiological significance. Sumpter JP, et al. **Gen Comp Endocrinol** 36(2):275-85, Oct 78

Effect of pinealectomy on seasonal androgen titers, antler growth and feed intake in white-tailed deer. Brown RD, et al. **J Anim Sci** 47(2):435-40, Aug 78

The interaction of photoperiod and testosterone on the development of copulatory behavior in castrated male hamsters. Campbell CS, et al. **Physiol Behav** 21(3):409-15, Sep 78

[Fat protrusion of the skin and sex hormones in Klinefelter syndrome] Nürnberger F, et al. **Z Hautkr** 54(2):47-57, 15 Jan 79 **(Ger)**

GENETICS

The nosology of male pseudohermaphroditism due to androgen insensitivity. Pinsky L. **Birth Defects** 14(6C):73-95, 1978 (88 ref.)

METABOLISM

Steroid levels in the serum and seminal plasma during clomiphene therapy in hypofertile men. Sas M, et al. **Acta Med Acad Sci Hung** 35(2):159-65, 1978

LH receptors and Leydig cell responsiveness to hCG in vitro. Purvis K, et al. **Arch Androl** 1(4):299-310, Sep 78

Effect of hormones on the human fetal prostate. Zondek LH, et al. **Contrib Gynecol Obstet** 5:145-58, 1979 (34 ref.)

Endocrine status in normal British, Japanese and Hawaiian-Japanese women. Hayward JL, et al. **Eur J Cancer** 14(11):1221-8, Nov 78

Anti-androgens in hirsutism. Ebling JF. **Int J Dermatol** 18(1):39-41, Jan-Feb 79

Endogenous androgen concentrations in the dorsal and ventral prostate glands of golden hamsters with benign prostatic tumours [proceedings] Finney RW, et al. **J Endocrinol** 79(2):53P-54P, Nov 78

[Experimental study on the pathogenesis of prostatic adenoma] Jacobi GH, et al. **J Urol Nephrol (Paris)** 83 Suppl 2:507-13, 1977 **(Fre)**

PHARMACODYNAMICS

Influence of androgens on beta-glucuronidase activity in liver, kidney and submandibular salivary gland of the mouse. Hosoi K, et al. **Arch Oral Biol** 23(10):905-9, 1978

The regulation of amino acid transport in animal cells. Guidotti GG, et al. **Biochim Biophys Acta** 515(4):329-66, 15 Dec 78 (430 ref.)

Effects of sex steroids and antihormones on growth, adhesiveness and receptors of L-929 cells cultured in serum-containing and serum-free media. Jung-Testas I, et al. **Exp Cell Res** 119(1):75-85, 1 Mar 79

Hormonal regulation of Leydig cell function. Purvis K, et al. **Mol Cell Endocrinol** 12(2):123-38, Nov 78 (65 ref.)

Effect of several androgens, cyproterone acetate or estrogen-progesterone on the prolactin-releasing activity of arginine vasotocin in castrated male rats. Vaughan MK, et al. **Mol Cell Endocrinol** 12(3):309-18, Dec 78

Serum erythropoietin concentration in anephric patients.

Radtke HW, et al. **Nephron** 22(4-6):361-5, 1978

Effects of p-chloroamphetamine and 5,7-dihydroxytryptamine on the sexual behavior of gonadectomized male and female rats. Södersten P, et al. **Pharmacol Biochem Behav** 9(4):499-508, Oct 78

Estrogen control of prolactin synthesis in vitro. Lieberman ME, et al. **Proc Natl Acad Sci USA** 75(12):5946-9, Dec 78

PHYSIOLOGY

Influence of androgens on beta-glucuronidase activity in liver, kidney and submandibular salivary gland of the mouse. Hosoi K, et al. **Arch Oral Biol** 23(10):905-9, 1978

Pituitary and placental gonadotrophins and sex steroids in the human and sub-human primate fetus. Kaplan SL, et al. **Clin Endocrinol Metab** 7(3):487-511, Nov 78 (114 ref.)

Effect of hormones on the human fetal prostate. Zondek LH, et al. **Contrib Gynecol Obstet** 5:145-58, 1979 (34 ref.)

Purification and cell-free synthesis of a major protein from rat seminal vesicle secretion. A potential marker for androgen action. Ostrowski MC, et al. **J Biol Chem** 254(2):383-90, 25 Jan 79

Androgen insensitivity as a cause of infertility in otherwise normal men. Aiman J, et al. **N Engl J Med** 300(5):223-7, 1 Feb 79

A new cause of male infertility [editorial] Walsh PC. **N Engl J Med** 300(5):253-4, 1 Feb 79

Genes and the inner conflicts of being man. Ohno S. **Perspect Biol Med** 22(1):3-9, Autumn 78

Steroid hormone regulation of specific gene expression. Chan L, et al. **Vitam Horm** 36:259-95, 1978 (202 ref.)

[Function of the androgen gland in crossed implantations between two species of isopod terrestrial Crustacea, Porcellio dilatatus Brandt and Armadillium vulgare Latreille: specificity of androgenic hormones and neurohormones implicated in the control of androgenic function] Juchault P, et al. **Gen Comp Endocrinol** 36(2):175-86, Oct 78 (Eng. Abstr.) **(Fre)**

SECRETION

Pathological aspects of the infertile testis. Wong TW, et al. **Urol Clin North Am** 5(3):503-30, Oct 78 (58 ref.)

THERAPEUTIC USE

What to do with 'postmenopausal osteoporosis?' [editorial] Avioli LV. **Am J Med** 65(6):881-4, Dec 78

A prospective study of androgens and bone marrow transplantation for treatment of severe aplastic anemia. Camitta BM, et al. **Blood** 53(3):504-14, Mar 79

Programmed instruction: cancer care. Cancer chemotherapy: steroid hormones. Pilapil F, et al. **Cancer Nurs** 1(6):473-82, Dec 78

Management of osteoporosis. Wallach S. **Hosp Pract** 13(12):91-8, Dec 78

[Sex hormones and the infection process] Rudzit EA, et al. **Patol Fiziol Eksp Ter** (6):77-83, Nov-Dec 78 (50 ref.) **(Rus)**

ANDROSTANES

Testosterone and 17-methyltestosterone from hyodeoxycholic acid. Bharucha KR. **Steroids** 32(5):589-606, Dec 78

[Experimental study on the pathogenesis of prostatic adenoma] Jacobi GH, et al. **J Urol Nephrol (Paris)** 83 Suppl 2:507-13, 1977 **(Fre)**

BIOSYNTHESIS

Peripheral and ovarian venous concentrations of various steroid hormones in virilizing ovarian tumors. Meldrum DR, et al. **Obstet Gynecol** 53(1):36-43, Jan 79

[Experimental study on the pathogenesis of prostatic adenoma] Jacobi GH, et al. **J Urol Nephrol (Paris)** 83 Suppl 2:507-13, 1977 **(Fre)**

BLOOD

Peripheral and adrenal venous levels of steroids in a patient with virilizing adrenal adenoma. Granoff AB, et al. **Obstet Gynecol** 53(1):111-5, Jan 79

Peripheral and ovarian venous concentrations of various steroid hormones in virilizing ovarian tumors. Meldrum DR, et al. **Obstet Gynecol** 53(1):36-43, Jan 79

PHARMACODYNAMICS

The effects of 5alpha-reduced androgens on maintenance and regeneration of prostate glands and seminal vesicles in castrated and hypophysectomized rats. Ahmad N, et al. **Anat Rec** 192(4):543-54, Dec 78

Control of obesity in Avy/a mice by 5alpha-androstan-17-one. Yen TT, et al. **Experientia** 34(12):1542-3, 15 Dec 78

[Inhibition of rat liver delta 4-3-ketosteroid-5 alpha-reductase by steroids in vitro] Schubert K, et al. **Endokrinologie** 72(2):141-8, May 78 (Eng. Abstr.) **(Ger)**

ANDROSTENOLS

METABOLISM

The specificity of the human uterine receptor. Fanchenko ND, et al. **Acta Endocrinol (Copenh)** 90(1):167-75, Jan 79

CHLORMADINONE

Liver tumors and oral contraceptives: pathology and pathogenesis. Gindhart TD. **Ann Clin Lab Sci** 8(6):443-6, Nov-Dec 78

PHARMACODYNAMICS

Sex steroids and thyroid function tests: the role of estrogen and progestogen. Miyamoto J. **Int J Gynaecol Obstet** 16(1):28-33, 1978

CHLOROTRIANISENE

METABOLISM

Rabbit hepatic microsomal O-demethylation of chlorotrianisene. Ruenitz PC. **Drug Metab Dispos** 6(6):631-6, Nov-Dec 78

CLOMIPHENE

ADMINISTRATION & DOSAGE

Monitoring of ovulation induction. Wu CH. **Fertil Steril** 30(6):617-30, Dec 78

Ovulation induction in amenorrheic women. March CM, et al. **Obstet Gynecol** 53(1):8-11, Jan 79

ADVERSE EFFECTS

Case report: cystic gynecomastia in a male treated with clomiphene citrate. Check JH, et al. **Fertil Steril** 30(6):713-5, Dec 78

PHARMACODYNAMICS

Effect of clomifene on thyroid function in normal men. Feldt-Rasmussen U, et al. **Acta Endocrinol (Copenh)** 90(1):43-51, Jan 79

Cytogenetic and endocrine studies in a 45,X female subject with spontaneous sexual development. Lisker R, et al. **Am J Obstet Gynecol** 133(2):149-53, 15 Jan 79

Histochemical studies of testicular delta5-3beta-hydroxysteroid dehydrogenase and 17beta-hydroxysteroid dehydrogenase after chronic indomethacin administration in rats pretreated with clomiphene-citrate. Sanyal S, et al. **Andrologia** 11(1):51-6, Jan 79

Oestrogen-gonadotrophin feedback abnormalities in hyperprolactinaemic amenorrhoea demonstrated by the response to clomiphene administration. Glass MR, et al. **Br J Obstet Gynaecol** 86(1):64-8, Jan 79

Differential response to LHRH following oestrogen therapy in women with amenorrhoea. Shaw RW. **Br J Obstet Gynaecol** 86(1):69-75, Jan 79

Monitoring of ovulation induction. Wu CH. **Fertil Steril** 30(6):617-30, Dec 78

Cyto-hormonal study of hundred infertility patients with anovulatory menstrual cycles. Garud MA, et al. **J Obstet Gynaecol India** 28(3):436-42, Jun 78

THERAPEUTIC USE

Steroid levels in the serum and seminal plasma during clomiphene therapy in hypofertile men. Sas M, et al. **Acta Med Acad Sci Hung** 35(2):159–65, 1978

Effect of LH–RH loading in subfertile men. Sas M, et al. **Arch Androl** 1(2):153–62, 1978

Oestrogen–gonadotrophin feedback abnormalities in hyperprolactinaemic amenorrhoea demonstrated by the response to clomiphene administration. Glass MR, et al. **Br J Obstet Gynaecol** 86(1):64–8, Jan 79

Differential response to LHRH following oestrogen therapy in women with amenorrhoea. Shaw RW. **Br J Obstet Gynaecol** 86(1):69–75, Jan 79

Bromocriptine in the treatment of hyperolactinemic amenorrhea. Badano AR, et al. **Fertil Steril** 31(2):124–9, Feb 79

Addition of estradiol benzoate to clomid in the management of clomid failures. Quagliarello J, et al. **Fertil Steril** 31(2):224–5, Feb 79

Monitoring of ovulation induction. Wu CH. **Fertil Steril** 30(6):617–30, Dec 78

Galactorrhea and the defective luteal phase of the menstrual cycle. el-Mahgoub S. **Int J Gynaecol Obstet** 16(2):124–7, 1978–79

Female fertility status and clomiphene regulated ovulation for donor artificial insemination. Rajan R. **J Indian Med Assoc** 71(2):33–6, 16 Jul 78

Effect of clomiphene on the restoration of ovulation in androgen-sterile rats. Baranov VG, et al. **Neurosci Behav Physiol** 8(4):271–4, Oct–Dec 77

Studies on the cervical mucus in sterile women. Tateno M. **Nippon Funin Gakkai Zasshi** 24(1):63–9, Jan 79

Oral contraceptive use and secondary amenorrhea. Kissi M, et al. **Obstet Gynecol** 53(2):241–4, Feb 79

Ovulation induction in amenorrheic women. March CM, et al. **Obstet Gynecol** 53(1):8–11, Jan 79

Medical treatment of the subfertile male. Cunningham GR. **Urol Clin North Am** 5(3):537–48, Oct 78 (62 ref.)

[The outlook and the quality of pregnancies resulting from treatment with clomiphene citrate and chorionic gonadotrophin. 53 consecutive cases (author's transl)] Senez P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(5):987–90, May–Jun 78 (Eng. Abstr.) **(Fre)**

[Treatment of functional sterility with clostilbegit] Serov VN, et al. **Vopr Okhr Materin Det** 23(12):42–5, Dec 78 (Eng. Abstr.) **(Rus)**

CONTRACEPTIVES, ORAL

Liver tumors and oral contraceptives: pathology and pathogenesis. Gindhart TD. **Ann Clin Lab Sci** 8(6):443–6, Nov–Dec 78

Oral contraception in the adolescent. Weisberg E. **Aust Fam Physician** 7 Spec No:32–6, Aug 78

Meeting the special needs of pregnant teenagers. Tyrer LB, et al. **Clin Obstet Gynecol** 21(4):1199–213, Dec 78

The choice of a combined oral contraceptive. **Drug Ther Bull** 17(1):1–4, 5 Jan 79

Continuous low-dose progestagen oral contraceptives. **Drug Ther Bull** 17(1):4, 5 Jan 79

Contraceptive practice after clinic discontinuation. Cosgrove PS, et al. **Fam Plann Perspect** 10(6):337–40, Nov–Dec 78

A simple method for determining the free cortisol index in plasma: measurements in human pregnancy. Nolten WE, et al. **J Lab Clin Med** 93(1):146–53, Jan 79

Self-esteem, locus of control, and adolescent contraception. Herold ES, et al. **J Psychol** 101(First Half):83–8, Jan 79

Contraception after pregnancy. Quilligan EJ. **J Reprod Med** 21(5 Suppl):250–1, Nov 78

Patient package inserts [letter] Morris LA. **JAMA** 241(12):1228, 23 Mar 79

OCs--update on usage, safety, and side effects. **Popul Rep [A]** (5):A133–86, Jan 79

Contraception at Port Elizabeth clinics [letter] Gordon AA. **S Afr Med J** 54(11):424, 9 Sep 78

[The 'pill', disease of civilization? (news)] Veylon R. **Nouv Presse Med** 7(44):4064, 4067, 9 Dec 78 **(Fre)**

[Routines for prescription of contraceptives (estrogen+gestagen)] Nesheim BI, et al. **Tidsskr Nor Laegeforen** 99(3):180–1, 28 Feb 79 **(Nor)**

[Progestagen and contraceptive activity of a 16alpha-methylene derivative of progesterone] Nikitina GV. **Probl Endokrinol (Mosk)** 25(1):68–71, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

[The school gynecologic office--a good complement to other school health services] A:son Berg A, et al. **Lakartidningen** 76(7):516–8, 14 Feb 79 (Eng. Abstr.) **(Swe)**

[IUDs and oral contraceptives. A follow-up study of 504 women] Bergqvist A, et al. **Lakartidningen** 76(3):125–8, 17 Jan 79 (Eng. Abstr.) **(Swe)**

[Health care personnel knows best what should be researched] Wendts R. **Vardfacket** 3(2):14–5, 25 Jan 79 **(Swe)**

ADMINISTRATION & DOSAGE

The choice of a combined oral contraceptive. **Drug Ther Bull** 17(1):1–4, 5 Jan 79

ADVERSE EFFECTS

Study of the activity of antithrombin-III in latent cholestasis. (A clinico-pharmacological study of the relationship between antithrombin-III activity and steroid cholestasis). Horváth T, et al. **Acta Med Acad Sci Hung** 35(2):105–13, 1978

Effects of oral contraceptives on nutritional status. Massey LK, et al. **Am Fam Physician** 19(1):119–23, Jan 79

The pill and circulatory disease. Beral V, et al. **Am Heart J** 97(2):263–4, Feb 79

Oral contraceptives, smoking, and other factors in relation to risk of venous thromboembolic disease. Petitti DB, et al. **Am J Epidemiol** 108(6):480–5, Dec 78

Central retinal vascular occlusion associated with oral contraceptives. Stowe GC 3d, et al. **Am J Ophthalmol** 86(6):798–801, Dec 78

Ectopic pregnancy. Relationship to the preceding contraception. Savolainen E, et al. **Ann Chir Gynaecol** 67(5):198–202, 1978

Pitfalls in contraception. Simcock BW. **Aust Fam Physician** 7(10):1243–51, Oct 78

Oral contraception in the adolescent. Weisberg E. **Aust Fam Physician** 7 Spec No:32–6, Aug 78

Epidemiology for the uninitiated. Aetiology of disease--selection of controls. Rose G, et al. **Br Med J** 2(6152):1616–7, 9 Dec 78

Oral contraceptives and diabetes mellitus. Wingrave SJ, et al. **Br Med J** 1(6155):23, 6 Jan 79

When the pill causes a rise in blood pressure. Weir RJ. **Drugs** 16(6):522–7, Dec 78

Liver tumours associated with oral contraceptives. Britton WJ, et al. **Med J Aust** 2(6):223–7, 9 Sep 78

Oral contraceptives and liver tumours [editorial] Marshall A, et al. **Med J Aust** 2(6):240–1, 9 Sep 78

Liver cell adenoma associated with oral contraceptive hormone therapy. Nicolaides NJ. **Med J Aust** 2(6):274–6, 9 Sep 78

Vulvovaginitis: prevalence and diagnosis. Gardner HL. **Med Times** 106(12):22–5, Dec 78

Candidiasis--an obstinate problem. Meeker CI. **Med Times** 106(12):26–32, Dec 78

The prolactinoma problem [editorial] Reichlin S. **N Engl J Med** 300(6):313–5, 8 Feb 79

Oral contraceptives and stroke in young women: a clinicopathologic correlation. Irey NS, et al. **Neurology (Minneap)** 28(12):1216–9, Dec 78

Oral contraceptive use and secondary amenorrhea. Kissi M, et al. **Obstet Gynecol** 53(2):241–4, Feb 79

OCs--update on usage, safety, and side effects. **Popul Rep [A]** (5):A133–86, Jan 79

Some adverse effects of drugs on nutrition. Dickerson JWT. **R Soc Health J** 98(6):261–5, 274, Dec 78

The pill and amenorrhoea [editorial] Katz M. **S Afr Med J** 54(12):465, 16 Sep 78

Comparative electron-microscopic studies of benign hepatoma and icterus in patients on oral contraceptives. Balázs M. **Virchows Arch [Pathol Anat]** 381(1):97–109, 12 Dec 78

[Severe liver diseases in women using hormonal contraception] Brodanová M, et al. **Cesk Gastroenterol Vyz** 32(8):515–6, Dec 78 **(Cze)**

[Menstruation disorders--a short practical review] Hilden J. **Nord Med** 94(1):15–6, Jan 79 **(Dan)**

Steroid contraception and the risk of neoplasia [editorial] **S Afr Med J** 54(19):763–4, 4 Nov 78 **(eng)**

[Secondary effects of hormonal contraception on the breast] Bonte J. **Gynaekol Rundsch** 18(3–4):220–45, 1978 **(Fre)**

[Intracrânial venous sinus thrombosis (22 cases) (author's transl)] Rousseaux P, et al. **Neurochirurgie** 24(4):197–203, 1978 (Eng. Abstr.) **(Fre)**

[The 'pill', disease of civilization? (news)] Veylon R. **Nouv Presse Med** 7(44):4064, 4067, 9 Dec 78 **(Fre)**

[Oral contraceptives and vitamins] Heilmann E. **Dtsch Med Wochenschr** 104(4):144–6, 26 Jan 79 **(Ger)**

[Incidence of spontaneous abortion with and without previous use of contraceptive agents based on morphological studies] Dallenbach-Hellweg G. **Gynaekol Rundsch** 18(3–4):213–9, 1978 **(Ger)**

[Contraceptives for women in their forties?] Hauser GA. **Gynaekol Rundsch** 18(3–4):193–212, 1978 **(Ger)**
[The pill and endocrine diseases] Werner-Zodrow I, et al. **Gynaekol Rundsch** 18(3–4):246–52, 1978 **(Ger)**
[The pill and the breast] Gregl A, et al. **Med Welt** 30(4):120–3, 26 Jan 7º **(Ger)**
[Spontaneous rupture of a liver adenoma following many years' ingestion of an oral contraceptive (author's transl)] Pollak H. **MMW** 121(3):93–4, 19 Jan 79 (Eng. Abstr.) **(Ger)**
[Liver tumors as adverse effects of contraceptives] Heissmeyer H, et al. **Verh Dtsch Ges Inn Med** (84):1612–4, 1978 **(Ger)**
[Toxic liver diseases after hormonal contraception] Schmidt CW, et al. **Z Aerztl Fortbild (Jena)** 72(22):1097–9, 15 Nov 78 **(Ger)**
[Routines for prescription of contraceptives (estrogen+gestagen)] Nesheim BI, et al. **Tidsskr Nor Laegeforen** 99(3):180–1, 28 Feb 79 **(Nor)**
[Changes in the endometrium from the use of hormonal preparations and hormonal contraceptives] Jellinek G. **Arkh Patol** 40(11):36–45, 1978 (Eng. Abstr.) **(Rus)**
[Oral contraceptives, hyperlipoproteinemia and ischemic heart disease] Titov VN, et al. **Ter Arkh** 50(12):22–8, 1978 (Eng. Abstr.) **(Rus)**
[Reversible changes in the eye after long term use of oral contraceptive agents] Pašanku T, et al. **Med Pregl** 31(11–12):493–6, 1978 (Eng. Abstr.) **(Scc)**
[Oral contraceptives and HDL cholesterol (editorial)] Frankman O, et al. **Lakartidningen** 76(1-2):15–6, 3 Jan 79 **(Swe)**

METABOLISM

Induction of hepatic drug metabolizing enzymes and pregnancy while taking oral contraceptives. Buss WC. **J Antimicrob Chemother** 5(1):4–5, Jan 79

PHARMACODYNAMICS

Significant hormonal changes in patterns of lipid granules in vaginal exfoliated cells. Maillet M, et al. **Acta Cytol (Baltimore)** 22(6):479–82, Nov–Dec 78
Plasma and urine levels produced by an oral dose of ampicillin 0.5 G administered to women taking oral contraceptives. Philipson A. **Acta Obstet Gynecol Scand** 58(1):69–71, 1979
Effects of oral contraceptives on nutritional status. Massey LK, et al. **Am Fam Physician** 19(1):119–23, Jan 79
Influence of mineral intake and use of oral contraceptives before pregnancy on the mineral content of human colostrum and of more mature milk. Kirksey A, et al. **Am J Clin Nutr** 32(1):30–9, Jan 79
Effects of oral contraceptives on zinc and copper levels in human plasma and endometrium during the menstrual cycle. Sing EJ, et al. **Arch Gynecol** 226(4):303–6, 29 Dec 78
Effects of a combined oestrogen–progestin preparation on gastric acid and pepsin secretion, serum gastrin concentration and biliary secretion of bile acids, phospholipids, and cholesterol in the cat. Hirst BH, et al. **Br J Pharmacol** 65(1):87–95, Jan 79
Incidence of thyroid disease associated with oral contraceptives. Frank P, et al. **Br Med J** 2(6151):1531, 2 Dec 78
Hormonal correlates of normal and abnormal follicle growth after puberty in humans and other primates. Ross GT, et al. **Clin Endocrinol Metab** 7(3):561–75, Nov 78
Comparative studies on two combination oral contraceptives, one containing synthetic estrogen, the other 'natural' estrogens. Saunders DM, et al. **Contraception** 18(5):527–34, Nov 78
Effect of oral contraceptive on plant chromosomes [letter] Goswami HK. **Curr Sci** 47(14):515–6, 20 Jul 78
Effect of synthetic and natural sex steroids on X-chromatin. Chakravarty A, et al. **Indian J Med Res** 68:785–9, Nov 78
Sex steroids and thyroid function tests: the role of estrogen and progestogen. Miyamoto J. **Int J Gynaecol Obstet** 16(1):28–33, 1978
Nutritional status of white college students in Virginia. Driskell JA, et al. **J Am Diet Assoc** 74(1):32–5, Jan 79
Vaginal cytology during oral contraception. Jina R, et al. **J Obstet Gynaecol India** 28(3):380–2, Jun 78
Epithelial changes in the oral mucosa resulting from a variation in hormone stimulus. Croley TE, et al. **J Oral Med** 33(3):86–9, Jul–Sep 78
Endocrinologic aspects of oral contraception. Little AB. **J Reprod Med** 21(5 Suppl):247–9, Nov 78
Hormonal content of plasma and endometrium of women taking oral contraceptives. Porias H, et al. **Obstet Gynecol** 52(6):703–7, Dec 78
High-density lipoproteins in the prevention of atherosclerotic heart disease. Part I. Epidemiological and family studies. Berger GM. **S Afr Med J** 54(17):689–93, 21 Oct 78 (40 ref.)
Oral contraception and the detection of carriers in haemophilia B. Briët E, et al. **Thromb Res** 13(3):379–88, Sep 78
Effect of oral contraceptive steroids on vitamin A status of women and female rats. Bamji MS, et al. **World Rev Nutr Diet** 31:135–40, 1978
[Influence of hormonal contraception on serum lipoproteins] Pometta D, et al. **Schweiz Med Wochenschr** 108(50):2012–5, 16 Dec 78 (Eng. Abstr.) **(Fre)**
[The influence of hormonal contraceptives in the spectrum of free plasma amino acids] Klinger G, et al. **Dtsch Gesundheitsw** 33(50):2373–7, 1978 **(Ger)**
[Influence of oral contraceptives on blood clotting. (Results after one year study) (author's transl)] Salahović S, et al. **Lijec Vjesn** 100(9):525–9, Sep 78 (Eng. Abstr.) **(Scr)**

SUPPLY & DISTRIBUTION

OCs--update on usage, safety, and side effects. **Popul Rep [A]** (5):A133–86, Jan 79
East Asia review, 1976–7: Korea (South). Han DW, et al. **Stud Fam Plann** 9(9):238–41, Sep 78

THERAPEUTIC USE

Incidence of thyroid disease associated with oral contraceptives. Frank P, et al. **Br Med J** 2(6151):1531, 2 Dec 78
Failure of withdrawal bleeding during combined oral contraceptive therapy: 'amenorrhoea on the pill'. Gillmer MD, et al. **Contraception** 18(5):507–15, Nov 78

CONTRACEPTIVES, ORAL, HORMONAL

[The 'pill', disease of civilization? (news)] Veylon R. **Nouv Presse Med** 7(44):4064, 4067, 9 Dec 78 **(Fre)**
[Progress in the field of drug development. 11.] Henkler G, et al. **Pharmazie** 33(9):551–67, Sep 78 (306 ref.) **(Ger)**
[Routines for prescription of contraceptives (estrogen+gestagen)] Nesheim BI, et al. **Tidsskr Nor Laegeforen** 99(3):180–1, 28 Feb 79 **(Nor)**
[Progestagen and contraceptive activity of a 16alpha-methylene derivative of progesterone] Nikitina GV. **Probl Endokrinol (Mosk)** 25(1):68–71, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

The pill and circulatory disease. Beral V, et al. **Am Heart J** 97(2):263–4, Feb 79
When the pill causes a rise in blood pressure. Weir RJ. **Drugs** 16(6):522–7, Dec 78
Oral contraceptives and stroke in young women: a clinicopathologic correlation. Irey NS, et al. **Neurology (Minneap)** 28(12):1216–9, Dec 78
Combined cortical thickness and bone density determination by photon absorptiometry. Kraner HW, et al. **Phys Med Biol** 23(6):1101–14, Nov 78
Comparative electron-microscopic studies of benign hepatoma and icterus in patients on oral contraceptives. Balázs M. **Virchows Arch [Pathol Anat]** 381(1):97–109, 12 Dec 78
[Severe liver diseases in women using hormonal contraception] Brodanová M, et al. **Cesk Gastroenterol Vyz** 32(8):515–6, Dec 78 **(Cze)**
Steroid contraception and the risk of neoplasia [editorial] **S Afr Med J** 54(19):763–4, 4 Nov 78 **(eng)**
[Secondary effects of hormonal contraception on the breast] Bonte J. **Gynaekol Rundsch** 18(3–4):220–45, 1978 **(Fre)**
[The 'pill', disease of civilization? (news)] Veylon R. **Nouv Presse Med** 7(44):4064, 4067, 9 Dec 78 **(Fre)**
[The pill and endocrine diseases] Werner-Zodrow I, et al. **Gynaekol Rundsch** 18(3–4):246–52, 1978 **(Ger)**
[The pill and the breast] Gregl A, et al. **Med Welt** 30(4):120–3, 26 Jan 79 **(Ger)**
[Liver tumors as adverse effects of contraceptives] Heissmeyer H, et al. **Verh Dtsch Ges Inn Med** (84):1612–4, 1978 **(Ger)**
[Toxic liver diseases after hormonal contraception] Schmidt CW, et al. **Z Aerztl Fortbild (Jena)** 72(22):1097–9, 15 Nov 78 **(Ger)**
[Routines for prescription of contraceptives (estrogen+gestagen)] Nesheim BI, et al. **Tidsskr Nor Laegeforen** 99(3):180–1, 28 Feb 79 **(Nor)**
[Changes in the endometrium from the use of hormonal

preparations and hormonal contraceptives] Jellinek G. **Arkh Patol** 40(11):36–45, 1978 (Eng. Abstr.) **(Rus)**

[Reversible changes in the eye after long term use of oral contraceptive agents] Pašanku T, et al. **Med Pregl** 31(11–12):493–6, 1978 (Eng. Abstr.) **(Scc)**

PHARMACODYNAMICS

Effect of sex steroid hormones on the serum prolactin concentration. Yoshida T, et al. **Tohoku J Exp Med** 127(2):119–22, Feb 79

The interactions between vitamin B6 and hormones. Rose DP. **Vitam Horm** 36:53–99, 1978 (218 ref.)

[The influence of hormonal contraceptives in the spectrum of free plasma amino acids] Klinger G, et al. **Dtsch Gesundheitsw** 33(50):2373–7, 1978 **(Ger)**

[Effect of oral contraceptives on the demethylation of diazepam and dimethyl-N-aminoantipyrine] Sonnenberg A, et al. **Verh Dtsch Ges Inn Med** (84):1485–8, 1978 **(Ger)**

CONTRACEPTIVES, POSTCOITAL

[The 'pill', disease of civilization? (news)] Veylon R. **Nouv Presse Med** 7(44):4064, 4067, 9 Dec 78 **(Fre)**

ADVERSE EFFECTS

Emotional distress in morning-after pill patients. Huggins GR, et al. **Acta Obstet Gynecol Scand** 58(1):65–8, 1979

CORPUS LUTEUM HORMONES

DEFICIENCY

[Ovarian corpus luteum insufficiency (clinical, endocrinologic, histopathologic and therapeutic study)] Germano FP, et al. **Obstet Ginecol Lat Am** 36(3–4):72–102, Mar–Apr 78 (Eng. Abstr.) **(Spa)**

CYPROTERONE

ADVERSE EFFECTS

[Use of anti-androgens in the treatment of prostatic cancer (clinical study)] Hermabessière J, et al. **J Urol Nephrol (Paris)** 83 Suppl 2:526–8, 1977 **(Fre)**

PHARMACODYNAMICS

Effects of hormone manipulations and exploration on sex differences in maze learning. Joseph R, et al. **Behav Biol** 24(3):364–77, Nov 78

Effect of cyproterone acetate, d-norgestrel and progesterone on the canine mammary gland. El Etreby MF, et al. **Cell Tissue Res** 194(2):245–67, 20 Nov 78

Effect of several androgens, cyproterone acetate or estrogen-progesterone on the prolactin-releasing activity of arginine vasotocin in castrated male rats. Vaughan MK, et al. **Mol Cell Endocrinol** 12(3):309–18, Dec 78

Cyproterone acetate exposure during gestation in mice retards fetal growth. Vom Saal FS. **Physiol Behav** 21(4):515–7, Oct 78

Experimental and clinical data indicating the psychotropic properties of progestogens. Herrmann WM, et al. **Postgrad Med J** 54(2):82–7, 1978 (33 ref.)

THERAPEUTIC USE

First clinical experiences with hormone-therapy of pachydermia laryngis. Hussl B, et al. **Arch Otorhinolaryngol** 221(3):221–5, 31 Oct 78

Anti-androgens in hirsutism. Ebling JF. **Int J Dermatol** 18(1):39–41, Jan–Feb 79

[Use of anti-androgens in the treatment of prostatic cancer (clinical study)] Hermabessière J, et al. **J Urol Nephrol (Paris)** 83 Suppl 2:526–8, 1977 **(Fre)**

[Cryoimmunology and prostatic cancer] Sesia G. **J Urol Nephrol (Paris)** 83 Suppl 2:416–7, 1977 **(Fre)**

DIETHYLSTILBESTROL

Peroxidase-mediated oxidation, a possible pathway for metabolic activation of diethylstilbestrol. Metzler M, et al. **Biochem Biophys Res Commun** 85(3):874–84, 14 Dec 78

ADMINISTRATION & DOSAGE

Plasma pseudocholinesterase deficiency associated with diethylstilbestrol therapy. Archer TL, et al. **Anesth Analg (Cleve)** 57(6):726–32, Nov–Dec 78

Accretion of biopsy specimens of vaginal adenosis from patients exposed in utero to diethylstilbestrol, when transplanted to athymic nude mice. Pienkowski MM, et al. **JNCI** 62(3):521–3, Mar 79

[Sex hormones and the infection process] Rudzit EA, et al. **Patol Fiziol Eksp Ter** (6):77–83, Nov–Dec 78 (50 ref.) **(Rus)**

ADVERSE EFFECTS

Male breast carcinoma following estrogen therapy: report of a case. Srinivasan G, et al. 77(1):9–10, 48, Jan 79

Environmental causes of cancer in childhood. Miller RW. **Adv Pediatr** 25:97–119, 1978 (130 ref.)

Plasma pseudocholinesterase deficiency associated with diethylstilbestrol therapy. Archer TL, et al. **Anesth Analg (Cleve)** 57(6):726–32, Nov–Dec 78

Diethylstilbestrol-induced upper genital tract abnormalities. Haney AF, et al. **Fertil Steril** 31(2):142–6, Feb 79

Successful management of incompetent cervix in a primigravida exposed to diethylstilbestrol in utero. Nunley WC, et al. **Fertil Steril** 31(2):217–9, Feb 79

Cytologic problems in diagnosis of endocervical atypia in young females with and without maternal history of diethylstilbestrol exposure. Chenoweth B, et al. **J Natl Med Assoc** 70(12):925–30, Dec 78

Accretion of biopsy specimens of vaginal adenosis from patients exposed in utero to diethylstilbestrol, when transplanted to athymic nude mice. Pienkowski MM, et al. **JNCI** 62(3):521–3, Mar 79

Consequences of prenatal exposure to diethylstilbestrol. Auclair CA. **JOGN Nurs** 8(1):35–9, Jan–Feb 79

Possible role of peroxidase in the diethylstilbestrol-induced lesions of the Syrian hamster kidney. McLachlan JA, et al. **Life Sci** 23(25):2521–4, 18 Dec 78

Diethylstilbestrol and the risk of cancer [letter] Clark LC, et al. **N Engl J Med** 300(5):263–4, 1 Feb 79

[Possible carcinogenic action of sex hormones in the perinatal period of ontogeny] Ird EA, et al. **Akush Ginekol (Mosk)** (12):4–7, Dec 78 (28 ref.) **(Rus)**

ANALOGS & DERIVATIVES

A simple method for preparation of mono- and bisglucuronides of diethylstilboestrol. Mahrwald R, et al. **Hoppe Seylers Z Physiol Chem** 359(12):1803–5, Dec 78

Proposed nomenclature for diethylstilbestrol metabolites. Metzler M, et al. **J Environ Pathol Toxicol** 2(2):579–82, Nov–Dec 78

METABOLISM

Sex hormone binding globulin and transcortin in human and baboon males. Karr JP, et al. **Arch Androl** 1(2):123–9, 1978

Androgen receptor in the rat brain--assays and properties. Chamness GC, et al. **Brain Res** 161(2):267–76, 2 Feb 79

The metabolism of diethylstilbestrol in the rhesus monkey and chimpanzee. Helton ED, et al. **J Environ Pathol Toxicol** 2(2):521–37, Nov–Dec 78

Possible role of peroxidase in the diethylstilbestrol-induced lesions of the Syrian hamster kidney. McLachlan JA, et al. **Life Sci** 23(25):2521–4, 18 Dec 78

PHARMACODYNAMICS

Effect of estrogen on gene expression in the chick oviduct. Regulation of the ovomucoid gene. Tsai SY, et al. **Biochemistry** 17(26):5773–80, 26 Dec 78

Effect of progesterone, estrogen withdrawal and secondary estrogen treatment of mannosylphosphoryldolichol synthesis in chick oviduct membranes. Lucas JJ. **Biochim Biophys Acta** 572(1):153–9, 29 Jan 79

Effect of estrogen on gene expression in the chick oviduct. In vitro transcription of the ovalbumin gene. Tsai MJ, et al. **Biochim Biophys Acta** 521(2):689–707, 21 Dec 78

Effects of sex steroids and antihormones on growth, adhesiveness and receptors of L-929 cells cultured in serum-containing and serum-free media. Jung-Testas I, et al. **Exp Cell Res** 119(1):75–85, 1 Mar 79

Effect of diethylstilboesterol diphosphate on tumour-associated immunity in prostatic cancer. A preliminary report. Bhatti RA, et al. **Experientia**

34(10):1364–5, 15 Oct 78
Effect of stilbestrol on adrenals and prostate in rats. Vad LB, et al. **Indian J Med Res** 68:769–73, Nov 78
Estrogen and progestin binding in cytosols of ovarian adenocarcinomas. Holt JA, et al. **Obstet Gynecol** 53(1):50–8, Jan 79
Decrease in functional albumin mRNA during estrogen-induced vitellogenin biosynthesis in avian liver. Williams DL, et al. **Proc Natl Acad Sci USA** 75(12):5974–8, Dec 78
Temporal changes in ovarian steroid-17alpha-hydroxylase in immature rats treated with pregnant mare's serum gonadotropin. Johnson DC. **Proc Soc Exp Biol Med** 159(3):484–7, Dec 78
Effect of estrogen upon the juxtaglomerular apparatus and the renin-angiotensin system in rats. Kondo K, et al. **Tohoku J Exp Med** 126(3):267–72, Nov 78
[Contraception the day afterward] Rozenbaum H. **Concours Med** 100(45):7501, 9 Dec 78 **(Fre)**
[High sexual selectivity of hydrazine derivatives potentiating the antitumor effect of cytostatics] Tret'iakov AV. **Dokl Akad Nauk SSSR** 243(2):537–9, 1978 **(Rus)**
[Changes in liver mitochondria in rat after treatment with oral contraceptives] Brignone JA, et al. **Medicina (B Aires)** 38(4):413–21, Jul–Aug 78 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Male breast carcinoma following estrogen therapy: report of a case. Srinivasan G, et al. 77(1):9–10, 48, Jan 79
Plasma pseudocholinesterase deficiency associated with diethylstilbestrol therapy. Archer TL, et al. **Anesth Analg (Cleve)** 57(6):726–32, Nov–Dec 78
Evaluation of a competitive binding assay for cortisol using horse transcortin. Stahl F, et al. **Endokrinologie** 72(2):214–22, May 78
Effect of diethylstilboesterol diphosphate on tumour-assoiciated immunity in prostatic cancer. A preliminary report. Bhatti RA, et al. **Experientia** 34(10):1364–5, 15 Oct 78

URINE

The metabolism of diethylstilbestrol in the rhesus monkey and chimpanzee. Helton ED, et al. **J Environ Pathol Toxicol** 2(2):521–37, Nov–Dec 78

DYDROGESTERONE

THERAPEUTIC USE

Management of first trimester breast enlargement with necrosis. Miller CJ, et al. **Plast Reconstr Surg** 63(3):383–6, Mar 79

ESTRADIOL

Effect of stress stimuli on glycogen level in the rat uterus. Górski J, et al. **Arch Gynecol** 226(3):247–50, 30 Nov 78
Binding of steroids to P. testosteroni delta5-3-ketosteroid isomerase: measurement of the number of binding sites by equilibrium dialysis. Ogez J, et al. **Biochem Biophys Res Commun** 85(3):1082–9, 14 Dec 78
Estrogen target sites in the cloacal region of female and male chick embryos. Gasc JM, et al. **Cell Tissue Res** 193(3):457–62, 30 Oct 78
A therapeutic castastrophe, entailing 16 exhumations, following the administration of digitoxin instead of oestradiol benzoate to prostatic cancer patients: identification of the poison. Thomas F, et al. **Med Sci Law** 19(1):8–18, Jan 79
[Therapeutic studies on two different models of experimental pyelonephritis (author's transl)] Schulz E, et al. **Zentralbl Bakteriol [Orig A]** 242(2):206–15, Nov 78 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Stimulation of fetal lung surfactant production by administration of 17beta-estradiol to the maternal rabbit. Khosla SS, et al. **Am J Obstet Gynecol** 133(2):213–6, 15 Jan 79
Positive feedback of gonadotropins in males. Lee PA. **Andrologia** 10(6):485–9, Nov–Dec 78
Modification of nuclear retention of [3H]estradiol by cells of the hypothalamus as a function of early hormone experience. DeBold JF. **Brain Res** 159(2):416–20, 29 Dec 78
Electron microscopic study of the response of the adrenocortical X-zone in mice treated with sex steroids. Tomooka Y, et al. **Cell Tissue Res** 194(2):269–77, 20 Nov 78
Effect of neonatal administration of sex steroids on 7,12-dimethylbenz[a]anthracene-induced mammary carcinoma and dysplasia in female Sprague-Dawley rats. Yoshida H, et al. **Gan** 69(5):627–31, Oct 78
Effect of estrogen treatment on coagulation and fibrinolysis in postmenopausal women. With special reference to cold activation of factor VII. Gjønnaess H, et al. **Gynecol Obstet Invest** 9(2–3):109–23, 1978
The monthly injectable contraceptive: a two-year clinical trial. Koetsawang S, et al. **Int J Gynaecol Obstet** 16(1):61–4, 1978

ADVERSE EFFECTS

[Estrogen substitution and endometrial carcinoma] Kruyver GP. **Ned Tijdschr Geneeskd** 123(10):383–7, 10 Mar 79 (Eng. Abstr.) **(Dut)**
[Enteromesenteric infarct caused by contraceptives] Cravo MA, et al. **AMB** 21(5):138–40, May 75 (Eng. Abstr.) **(Por)**

ANALOGS & DERIVATIVES

[Metabolism of estradiol-17 beta 3-propyl-ether compared to that of estradiol-17 beta in perfused rat liver] Tresca JP, et al. **Can J Biochem** 56(10):985–92, Oct 78 (Eng. Abstr.) **(Fre)**
[Inhibition of rat liver delta 4-3-ketosteroid-5 alpha-reductase by steroids in vitro] Schubert K, et al. **Endokrinologie** 72(2):141–8, May 78 (Eng. Abstr.) **(Ger)**

ANALYSIS

Existence of an estrogen-like compound in the ovary of the shrimp Parapenaeus fissurus. Jeng SS, et al. **Gen Comp Endocrinol** 36(2):211–4, Oct 78
Collagenolytic activity and steroid levels after administration of dehydroepiandrosterone sulfate. Mochizuki M, et al. **Int J Gynaecol Obstet** 16(3):248–53, 1978–79

BIOSYNTHESIS

Metabolic responses of Sertoli cells in culture to various concentrations of follicle stimulating hormone and cholera toxin. Fritz IB, et al. **Can J Biochem** 56(9):875–9, Sep 78
Production of oestradiol-17beta by the goat mammary gland during late pregnancy in relation to lactogenesis [proceedings] Walker FM, et al. **J Physiol (Lond)** 284:71P–72P, Nov 78
Mechanism of action of aminoglutethimide in breast cancer [letter] Santen RJ, et al. **Lancet** 1(8106):44–5, 6 Jan 79
Fetal considerations. Metabolic clearance rate of maternal plasma dehydroisoandrosterone sulfate. Worley RJ, et al. **Semin Perinatol** 2(1):15–28, Jan 78 (37 ref.)
[In vitro comparative metabolism of 6,7-3H estrone and 6,7-3H estrone-3-sulfate in maternal and fetal guinea-pig liver] Goutte-Coussieu C, et al. **Biochimie** 60(8):795–8, 1978 (Eng. Abstr.) **(Fre)**
[Hormonal dynamics during pregnancy: critical discussion and clinical interpretations] Bélisle S. **Can Med Assoc J** 119(11):1307–9, 9 Dec 78 (Eng. Abstr.) **(Fre)**

BLOOD

Investigations of hormones during early abortion induced by prostaglandin F2alpha and 15(S)-methyl-PGF2alpha. Seifert B, et al. **Acta Biol Med Ger** 37(5–6):955–7, 1976
Enhanced testosterone in female patients with anorexia nervosa: its normalization after weight gain. Baranowska B, et al. **Acta Endocrinol (Copenh)** 90(2):328–35, Feb 79
Effect of stress on the profile of plasma steroids in baboons (Papio hamadryas). Goncharov NP, et al. **Acta Endocrinol (Copenh)** 90(2):372–84, Feb 79
Steroid levels in the serum and seminal plasma during clomiphene therapy in hypofertile men. Sas M, et al. **Acta Med Acad Sci Hung** 35(2):159–65, 1978
Effects of antiprogesterone on pregnancy. I. Midpregnancy. Csapo AI, et al. **Am J Obstet Gynecol** 133(2):176–83, 15 Jan 79
Factors underlying infertility in the alcoholic. Farnsworth WE, et al. **Arch Androl** 1(2):193–5, 1978
Log normal distribution of ovarian and placental steroid values in early human pregnancy. Distler W, et al. **Arch Gynecol** 226(3):217–25, 30 Nov 78

Clinical features and plasma hormone levels after surgical menopause. Dennerstein L, et al.
Aust NZ J Obstet Gynaecol 18(3):202–5, Aug 78

Plasma levels of oestrone and oestradiol-17beta in postmenopausal women. Badawy SZ, et al.
Br J Obstet Gynaecol 86(1):56–63, Jan 79

Testosterone production with hydatidiform moles--in vitro and in vivo studies. Chew PC, et al.
Br J Obstet Gynaecol 86(1):37–40, Jan 79

Plasma levels of oestrone, oestradiol and gonadotrophins in postmenopausal women after oral and vaginal administration of conjugated equine oestrogens (Premarin). Englund DE, et al. **Br J Obstet Gynaecol** 85(12):957–64, Dec 78

Determination of estrogen ring D glucuronides in pregnancy plasma by direct radioimmunoassay without hydrolysis. Numazawa M, et al. **Clin Chim Acta** 91(2):169–75, 15 Jan 79

Reproductive hormone function: the perimenopausal period and beyond. Korenman SG, et al.
Clin Endocrinol Metab 7(3):625–43, Nov 78 (82 ref.)

Neuroendocrinology of the menstrual cycle in humans. Shaw RW. **Clin Endocrinol Metab** 7(3):531–59, Nov 78

Gonadotrophins and steroid hormones in the blood and urine of prepubertal girls and other primates. Winter JS, et al. **Clin Endocrinol Metab** 7(3):513–30, Nov 78 (74 ref.)

Occurrence of ovulation in women receiving the injectable contraceptive norethisterone oenanthate. Fotherby K, et al. **Contraception** 18(5):535–42, Nov 78

Failure of withdrawal bleeding during combined oral contraceptive therapy: 'amenorrhoea on the pill'. Gillmer MD, et al. **Contraception** 18(5):507–15, Nov 78

Plasma oestradiol and progesterone levels in women with varying degrees of risk of breast cancer. Bulbrook RD, et al. **Eur J Cancer** 14(12):1369–75, Dec 78

Oestrogen receptors and peripheral serum levels of oestradiol-17beta in patients with mammary carcinoma. Theve NO, et al. **Eur J Cancer** 14(12):1337–40, Dec 78

Effect of epimestrol on gonadotropin and prolactin plasma levels and response to luteinizing hormone-releasing hormone/thyrotropin-releasing hormone in secondary amenorrhea and oligomenorrhea. Genazzani AR, et al.
Fertil Steril 30(6):654–60, Dec 78

Induced varicoceles in rhesus monkeys. Kay R, et al.
Fertil Steril 31(2):195–9, Feb 79

The relationship between long-distance running, plasma progesterone, and luteal phase length. Shangold M, et al.
Fertil Steril 31(2):130–3, Feb 79

Vaginal progesterone for contraception. Victor A, et al.
Fertil Steril 30(6):631–5, Dec 78

Monitoring of ovulation induction. Wu CH. **Fertil Steril** 30(6):617–30, Dec 78

Effect of testosterone application on hormone concentrations of androgens and estrogens in male patients with cirrhosis of the liver. Kley HK, et al. **Gastroenterology** 76(2):235–41, Feb 79

Collagenolytic activity and steroid levels after administration of dehydroepiandrosterone sulfate. Mochizuki M, et al.
Int J Gynaecol Obstet 16(3):248–53, 1978–79

Stimulation of estrogen and luteinizing hormone secretion in postpartum beef cows. Echternkamp SE. **J Anim Sci** 47(2):521–31, Aug 78

Early changes in serum progesterone, estradiol and LH during prostaglandin F2alpha-induced luteolysis in mares. Noden PA, et al. **J Anim Sci** 47(3):666–71, Sep 78

Menstrual cycle influences on operant behavior of female rhesus monkeys. Bonsall RW, et al.
J Comp Physiol Psychol 92(5):846–55, Oct 78

Spontaneous breast development in an adolescent girl with testicular feminization after castration in early childhood. Andler W, et al. **J Pediatr** 94(2):304–5, Feb 79

Androgen insensitivity as a cause of infertility in otherwise normal men. Aiman J, et al. **N Engl J Med** 300(5):223–7, 1 Feb 79

Peripheral and adrenal venous levels of steroids in a patient with virilizing adrenal adenoma. Granoff AB, et al.
Obstet Gynecol 53(1):111–5, Jan 79

Peripheral and ovarian venous concentrations of various steroid hormones in virilizing ovarian tumors. Meldrum DR, et al. **Obstet Gynecol** 53(1):36–43, Jan 79

Pituitary and ovarian function in women with congenitally absent uterus. Ylikorkala O, et al. **Obstet Gynecol** 53(1):137–9, Jan 79

Exogenous estradiol and sexual receptivity in photoinhibited female Lemur catta. Reynolds RL, et al. **Physiol Behav** 21(3):383–5, Sep 78

Implication of the estrous cycle on conditioned avoidance behavior in the rat. Sfikakis A, et al. **Physiol Behav** 21(3):441–6, Sep 78

Plasma hormone profiles after the menopause and bilateral oöphorectomy. Studd JW, et al. **Postgrad Med J** 54(2):25–30, 1978

Sex hormone changes underlying menstrual disturbances on haemodialysis. Wass VJ, et al.
Proc Eur Dial Transplant Assoc 15:178–86, 1978

The relationship of plasma estradiol to sexual behavior in young women. Persky H, et al. **Psychosom Med** 40(7):523–35, Nov 78

[Estrogenic stimulation of the follicular phase of the human menstrual cycle: neuro endocrinian investigation (author's transl)] Gautray JP, et al. **Rev Fr Gynecol Obstet** 73(12):789–94, Dec 78 **(Fre)**

[Structure and function of steroid active cells in the postmenopausal ovary (electron microscopic and histochemical studies)] Mestwerdt W, et al.
Acta Histochem [Suppl] (Jena) 14:255–70, 1975 **(Ger)**

[Hormonal status of women after hysterectomy compared with controls (author's transl)] Kaiser R, et al.
Arch Gynecol 226(4):363–8, 29 Dec 78 (Eng. Abstr.)**(Ger)**

[Diagnosis of placental sulphatase deficiency (author's transl)] Bailer P, et al. **Z Geburtshilfe Perinatol** 182(5):384–8, Oct 78 (Eng. Abstr.) **(Ger)**

[Gonadotropin secretion in patients with testicular feminization] Valkov I, et al. **Zentralbl Gynaekol** 100(21):1399–402, 1978 (Eng. Abstr.) **(Ger)**

[Production of estradiol and testosterone in the human ovary during the normal cycle (studied by direct catheterization of the ovarian veins)] Vaticón MD, et al.
Acta Ginecol (Madr) 33(6):215–24, 15 Oct 78 **(Spa)**

DEFICIENCY

Clinical features and plasma hormone levels after surgical menopause. Dennerstein L, et al.
Aust NZ J Obstet Gynaecol 18(3):202–5, Aug 78

IMMUNOLOGY

Modification of murine lupus by sex hormones. Melez KA, et al. **Ann Immunol (Paris)** 129 C(5):707–14, Jul–Sep 78

ISOLATION & PURIFICATION

Preparation and purification of estriol, estradiol, and progesterone labeled with radioactive iodine. Varvarigou A, et al. **Eur J Nucl Med** 3(3):191–5, 1 Jul 78

METABOLISM

The specificity of the human uterine receptor. Fanchenko ND, et al. **Acta Endocrinol (Copenh)** 90(1):167–75, Jan 79

Steroid levels in the serum and seminal plasma during clomiphene therapy in hypofertile men. Sas M, et al.
Acta Med Acad Sci Hung 35(2):159–65, 1978

Effects of antiprogesterone on pregnancy. I. Midpregnancy. Csapo AI, et al. **Am J Obstet Gynecol** 133(2):176–83, 15 Jan 79

Sex hormone binding globulin and transcortin in human and baboon males. Karr JP, et al. **Arch Androl** 1(2):123–9, 1978

Localization, metabolism, and binding of estrogens in the male rat. Robinette CL, et al. **Arch Biochem Biophys** 191(2):517–24, Dec 78

Characterization of the binding properties of rat alpha-foetoprotein [proceedings] Versée V, et al.
Arch Int Physiol Biochim 86(4):971–2, Oct 78

Translocation of 4S and 5S forms of estrogen-receptors into rat liver nuclei in vitro. Powell-Jones W, et al.
Biochem Biophys Res Commun 85(1):167–73, 14 Nov 78

Rat alpha-foetoprotein. Purification, physicochemical characterization, oestrogen-binding properties and chemical modification of the thiol group. Versée V, et al.
Biochem J 175(1):73–81, 1 Oct 78

A kinetic study of rat liver 17beta-hydroxysteroid-dehydrogenase. Laurent C, et al.
Biochimie 60(10):1181–5, 1978

Inter-site variation of oestrogen receptors in human breast cancers. Tilley WD, et al. **Br J Cancer** 38(4):544–6, Oct 78

The binding of [3H]-oestradiol-17 beta in the immature rat uterus during the sequential administration of non-steroidal anti-oestrogens. Jordan VC, et al. **Br J Pharmacol** 65(2):167–73, Feb 79

Androgen receptor in the rat brain--assays and properties. Chamness GC, et al. **Brain Res** 161(2):267–76, 2 Feb 79

Modification of nuclear retention of [3H]estradiol by cells of the hypothalamus as a function of early hormone experience. DeBold JF. **Brain Res** 159(2):416–20, 29 Dec 78

Mechanism of glucose transfer to steroids by rabbit liver microsomes. Comerton AM, et al. **Can J Biochem** 56(11):1082–5, Nov 78

Estrogen target sites in the cloacal region of female and male

chick embryos. Gasc JM, et al. **Cell Tissue Res** 193(3):457–62, 30 Oct 78

Binding specificity of estrogens and norandrogens to rat alpha-fetoprotein (AFP). Versée V, et al. **FEBS Lett** 96(1):155–8, 1 Dec 78

Metabolic and proliferative responses to estrogen by hepatocytes selected for plasma membrane binding-sites specific for estradiol-17beta. Pietras RJ, et al. **J Cell Physiol** 98(1):145–59, Jan 79 (64 ref.)

Changes in the concentration of uterine cytoplasmic oestrogen receptors induced by doxorubicin and methotrexate. Di Carlo F, et al. **J Endocrinol** 79(2):201–8, Nov 78

The effect of alcohol ingestion on hepatic aromatase activity and plasma steroid hormones in the rat. Gordon GG, et al. **Metabolism** 28(1):20–4, Jan 79

Detection of androgen and estrogen receptors in human prostatic carcinoma and hyperplasia by fluorescence microscopy. Pertschuk LP, et al. **Res Commun Chem Pathol Pharmacol** 22(2):427–30, Nov 78

Mammary cancer: selective action of the estrogen receptor complex. Ip M, et al. **Science** 203(4378):361–3, 26 Jan 79

[Clinical monitoring for steroid metabolism of the fetoplacental unit.--II. Maternal blood testosterone and 17 B-estradiol levels in physiological and pathological pregnancies (author's transl)] Sorfová J, et al. **Cesk Gynekol** 43(10):771–5, Nov 78 (Eng. Abstr.) **(Cze)**

[Metabolism of estradiol-17 beta 3-propyl-ether compared to that of estradiol-17 beta in perfused rat liver] Tresca JP, et al. **Can J Biochem** 56(10):985–92, Oct 78 (Eng. Abstr.) **(Fre)**

[Endocrinologic studies on the syndrome of the XX-male] Schweikert HU, et al. **Verh Dtsch Ges Inn Med** (84):1416–9, 1978 **(Ger)**

[Properties of sex steroid-binding protein from Xenopus laevis blood serum and detection of an estradiol-binding component in frog liver cytosol which differs from sex steroid-binding protein] Smirnova OV, et al. **Biokhimiia** 43(8):1444–51, Aug 78 (Eng. Abstr.) **(Rus)**

[Incorporation of 3H-estradiol into elements of the tanycytic and ciliated ependyma of the 3d cerebral ventricle in experiments in vitro] Egorova IF. **Probl Endokrinol (Mosk)** 25(1):57–62, Jan-Feb 79 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effects of estradiol-17beta on growth and differentiation of benign and malignant human uterine cervical squamous cells in vitro. Ishiwata I, et al. **Acta Cytol (Baltimore)** 22(6):555–61, Nov-Dec 78

Effect of bromocriptine (CB-154) on oestrogen-induced prolactin release. D'Agata R, et al. **Acta Endocrinol (Copenh)** 90(2):193–7, Feb 79

Regulation by sex hormones of immunoglobulins in rat uterine and vaginal secretions. Wira CR, et al. **Adv Exp Med Biol** 107:531–9, 1978

Studies on the trophoblast-epithelial complex during decidual induction in rats. Lundkvist O, et al. **Am J Anat** 154(2):211–29, Feb 79

Stimulation of fetal lung surfactant production by administration of 17beta-estradiol to the maternal rabbit. Khosla SS, et al. **Am J Obstet Gynecol** 133(2):213–6, 15 Jan 79

Positive feedback of gonadotropins in males. Lee PA. **Andrologia** 10(6):485–9, Nov-Dec 78

Effects of gonadal hormones on pacing of sexual contacts by female rats. Gilman DP, et al. **Behav Biol** 24(1):77–87, Sep 78

Increase of cyclic AMP-dependent protein kinase type II as an early event in hormone-dependent mammary tumor regression. Cho-Chung YS, et al. **Biochem Biophys Res Commun** 85(3):1150–5, 14 Dec 78

Acute effect of estradiol on the renal vitamin D hydroxylases in Japanese quail. Baksi SN, et al. **Biochem Pharmacol** 27(24):2765–8, 1978

Hormonal induction of alpha2u-globulin synthesis in isolated rat hepatocytes. Chen CL, et al. **Biochemistry** 17(24):5308–13, 28 Nov 78

Influence of reduced cholesterol synthesis on the activity of cerebroside sulfotransferase in cultured glioblastoma cells treated with estradiol. Siegrist HP, et al. **Biochim Biophys Acta** 572(1):160–6, 29 Jan 79

Morphological studies of the stromal changes after artificial induction of the decidual reaction in rats. Lundkvist O. **Cell Tissue Res** 194(2):287–96, 20 Nov 78

Electron microscopic study of the response of the adrenocortical X-zone in mice treated with sex steroids. Tomooka Y, et al. **Cell Tissue Res** 194(2):269–77, 20 Nov 78

Comparative studies on two combination oral contraceptives, one containing synthetic estrogen, the other 'natural' estrogens. Saunders DM, et al. **Contraception** 18(5):527–34, Nov 78

Induction of vitellogenin synthesis in Xenopus laevis tadpoles. Knowland J. **Differentiation** 12(1):47–51, 15 Nov 78

Effects of sex stercids and antihormones on growth, adhesiveness and receptors of L-929 cells cultured in serum-containing and serum-free media. Jung-Testas I, et al. **Exp Cell Res** 119(1):75–85, 1 Mar 79

(Ca2+ + Mg2+)-stimulated ATPase activity of rabbit myometrium plasma membrane is blocked by oxytocin. Akerman KE, et al. **FEBS Lett** 97(2):283–7, 15 Jan 79

Vaginal progesterone for contraception. Victor A, et al. **Fertil Steril** 30(6):631–5, Dec 78

Osmoregulatory activity of prolactin in the skin of the crested newt. Lodi G, et al. **Gen Comp Endocrinol** 36(1):7–15, Sep 78

Effects of sex steroids on plasma calcium levels in male killifish, Fundulus heteroclitus. Pang PK, et al. **Gen Comp Endocrinol** 36(2):317–20, Oct 78

Sex differences in the sterol and nonsterol metabolism of mevalonate. Wiley MH, et al. **J Biol Chem** 254(3):837–42, 10 Feb 79

Metabolic and proliferative responses to estrogen by hepatocytes selected for plasma membrane binding-sites specific for estradiol-17beta. Pietras RJ, et al. **J Cell Physiol** 98(1):145–59, Jan 79 (64 ref.)

Mesencephalic participation in the control of sexual behavior in the female rat. Carrer HF. **J Comp Physiol Psychol** 92(5):877–87, Oct 78

Changes in the concentration of uterine cytoplasmic oestrogen receptors induced by doxorubicin and methotrexate. Di Carlo F, et al. **J Endocrinol** 79(2):201–8, Nov 78

Effect of methylprednisolone and polymyxin B sulfate on endotoxin-induced inhibition of human neutrophil chemotaxis. Issekutz AC, et al. **J Lab Clin Med** 92(6):873–82, Dec 78

Requirement of the pituitary gland for gonadal hormone effects on hepatic drug metabolism in rats. Kramer RE, et al. **J Pharmacol Exp Ther** 208(1):19–23, Jan 79

Effects of drugs on regional brain concentrations of dopamine and dihydroxyphenylacetic acid. Umezu K, et al. **J Pharmacol Exp Ther** 208(1):49–56, Jan 79

Dose-related response of mouse mamma to some phenothiazine drugs. Itoh T. **J Toxicol Sci** 3(2):147–52, May 78

The effects of sex steroids on blood pressure in SHR and normotensive Wistar rats. Nakayama M, et al. **Jpn Heart J** 19(4):563–4, Jul 78

Changes in pituitary oxytocin and vasopressin during the estrous cycle and after ovarian hormones: evidence for mediation by norepinephrine. Crowley WR, et al. **Life Sci** 23(26):2579–85, 25 Dec 78

Effects of estradiol-17beta in the male Xenopus laevis: isolation and translation of cytoplasmic messenger RNA populations. Wiggins TL 3d, et al. **Mol Cell Biochem** 21(3):145–51, 16 Nov 78

Estradiol-induced accumulation of vitellogenin mRNA and secretion of vitellogenin in liver cultures of Xenopus. Felber BK, et al. **Mol Cell Endocrinol** 12(2):151–66, Nov 78

Influence of bromoergocryptine on estrogen-modulated prolactin receptors of mouse mammary gland. Sheth NA, et al. **Mol Cell Endocrinol** 12(2):167–76, Nov 78

Effect of several androgens, cyproterone acetate or estrogen-progesterone on the prolactin-releasing activity of arginine vasotocin in castrated male rats. Vaughan MK, et al. **Mol Cell Endocrinol** 12(3):309–18, Dec 78

Effects of centrally acting drugs on serum prolactin levels in rhesus monkeys. Quadri SK, et al. **Neuroendocrinology** 27(3–4):136–47, 1978

Estradiol potentiation of hypothalamic uptake of LH-RH from the CSF. Recabarren SE, et al. **Neuroendocrinology** 27(1–2):1–8, 1978

Observations on the function of the dopaminergic nerves innervating the pituitary gland. Holzbauer M, et al. **Neuroscience** 3(12):1251–62, 1978

Biphasic effects of the antiserotonergic methysergide on lordosis in rats. Davis GA, et al. **Pharmacol Biochem Behav** 9(4):487–91, Oct 78

Attenuation of angiotensin-induced water intake in estrogen-treated rats. Fregly MJ, et al. **Pharmacol Biochem Behav** 9(4):509–14, Oct 78

Sex-related differences in biotransformation of aniline hydroxylase in Sprague-Dawley rats. Pence DH, et al. **Pharmacology** 18(1):52–6, 1979

Steroidal derivatives. Part I: some novel steroidal thiosemicarbazones. Their synthesis, anticancer and endocrinological activities. Mohsen A, et al. **Pharmazie** 33(9):577–80, Sep 78

Exogenous estradiol and sexual receptivity in photoinhibited

female Lemur catta. Reynolds RL, et al. **Physiol Behav** 21(3):383–5, Sep 78

Effects of adrenalectomy on maternal behavior in pregnancy-terminated rats. Siegel HI, et al. **Physiol Behav** 21(5):831–3, Nov 78

Effects of estrogen upon feeding inhibition produced by intragastric glucose loads. Young JK, et al. **Physiol Behav** 21(3):423–30, Sep 78

Dietary effects upon food and water intake and responsiveness to estrogen, 2-deoxy-glucose and glucose in female rats. Young JK, et al. **Physiol Behav** 21(3):395–403, Sep 78

The effect of oestradiol valerate and cyclic oestradiol valerate/DL-norgestrel on calcium metabolism. Crilly RG, et al. **Postgrad Med J** 54(2):47–9, 1978

Estrogen control of prolactin synthesis in vitro. Lieberman ME, et al. **Proc Natl Acad Sci USA** 75(12):5946–9, Dec 78

Manipulation of female growth and efficiency of food utilization. 3. Comparison of the effects of perinatal testosterone and oestradiol on the subsequent growth of female rats [proceedings] Perry BN, et al. **Proc Nutr Soc** 37(3):110A, Dec 78

The long term effect of estrogen administration on the metabolism of male rat bone. Cruess RL, et al. **Proc Soc Exp Biol Med** 159(3):368–73, Dec 78

Maintenance of pregnancy in the rat in the absence of LH. MacDonald GJ. **Proc Soc Exp Biol Med** 159(3):441–3, Dec 78

Longterm effects of neonatal treatment with cortisol and/or estrogen in the female BALB/c mouse. Ways SC, et al. **Proc Soc Exp Biol Med** 160(1):94–8, Jan 79

Thyroxine transport proteins of plasma. Molecular properties and biosynthesis. Robbins J, et al. **Recent Prog Horm Res** 34:477–519, 1978 (97 ref.)

Mammary cancer: selective action of the estrogen receptor complex. Ip M, et al. **Science** 203(4378):361–3, 26 Jan 79

[Effects of the nature of energy in food and use of anabolic agents on the quality of veal] Valin C, et al. **Ann Nutr Aliment** 32(4):857–67, 1978 (Eng. Abstr.) **(Fre)**

[Inhibition of rat liver delta 4–3-ketosteroid-5 alpha-reductase by steroids in vitro] Schubert K, et al. **Endokrinologie** 72(2):141–8, May 78 (Eng. Abstr.) **(Ger)**

[A new synthetic estrone derivative for the treatment of climacteric disorders] Cyran W. **Med Welt** 30(10):384–8, 9 Mar 79 **(Ger)**

[Hormonal regulation of the heart in aging] Frol'kis VV, et al. **Kardiologiia** 18(12):24–30, Dec 78 (Eng. Abstr.) **(Rus)**

[11-azasteroids. V. Hormonal properties of 11-azaestranes] Ivanenko TI, et al. **Probl Endokrinol (Mosk)** 25(1):62–8, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Cyclic changes in antral fluid hormone concentrations in humans. McNatty KP. **Clin Endocrinol Metab** 7(3):577–600, Nov 78

Role of dopamine-sensitive adenylate cyclase in the sexual differentiation of the brain [proceedings] Ani M, et al. **J Endocrinol** 79(2):31P–32P, Nov 78

[Causes of the onset of labor] Katsulov A. **Akush Ginekol (Sofiia)** 17(6):447–56, 1978 (61 ref.) (Eng. Abstr.) **(Bul)**

[Hormone receptors in gynaecology. Towards practical applications? (author's transl)] Lecomte P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(6):1051–64, Sep 78 (Eng. Abstr.) **(Fre)**

SECRETION

Stimulation of estrogen and luteinizing hormone secretion in postpartum beef cows. Echternkamp SE. **J Anim Sci** 47(2):521–31, Aug 78

[Production of estradiol and testosterone in the human ovary during the normal cycle (studied by direct catheterization of the ovarian veins)] Vaticón MD, et al. **Acta Ginecol (Madr)** 33(6):215–24, 15 Oct 78 **(Spa)**

THERAPEUTIC USE

The effect of oestradiol valerate therapy on coagulation factors and lipid and oestrogen levels in oöphorectomised women. Saunders DM, et al. **Aust NZ J Obstet Gynaecol** 18(3):198–201, Aug 78

Differential response to LHRH following oestrogen therapy in women with amenorrhoea. Shaw RW. **Br J Obstet Gynaecol** 86(1):69–75, Jan 79

Premenstrual tension syndrome [letter] **Br Med J** 1(6160):410, 10 Feb 79

Addition of estradiol benzoate to clomid in the management of clomid failures. Quagliarello J, et al. **Fertil Steril** 31(2):224–5, Feb 79

Effect of estrogen treatment on coagulation and fibrinolysis in postmenopausal women. With special reference to cold activation of factor VII. Gjønnaess H, et al. **Gynecol Obstet Invest** 9(2–3):109–23, 1978

[Sex hormones and the infection process] Rudzit EA, et al. **Patol Fiziol Eksp Ter** (6):77–83, Nov–Dec 78 (50 ref.) **(Rus)**

ESTRADIOL ANTAGONISTS

Mechanism of action of aminoglutethimide in breast cancer [letter] Santen RJ, et al. **Lancet** 1(8106):44–5, 6 Jan 79

METABOLISM

Interaction of progestins with steroid receptors in human uterus. Kasid A, et al. **Biochem J** 176(2):531–9, 15 Nov 78

ESTRANES

PHARMACODYNAMICS

[Inhibition of rat liver delta 4–3-ketosteroid-5 alpha-reductase by steroids in vitro] Schubert K, et al. **Endokrinologie** 72(2):141–8, May 78 (Eng. Abstr.) **(Ger)**

[11-azasteroids. V. Hormonal properties of 11-azaestranes] Ivanenko TI, et al. **Probl Endokrinol (Mosk)** 25(1):62–8, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

ESTRIOL

ADMINISTRATION & DOSAGE

Effect of estrogen treatment on coagulation and fibrinolysis in postmenopausal women. With special reference to cold activation of factor VII. Gjønnaess H, et al. **Gynecol Obstet Invest** 9(2–3):109–23, 1978

ANALOGS & DERIVATIVES

[Comparative high rising dose study of oral 17-alpha-ethinylestradiol (EE2), estriol (E3), and parenteral 16-alpha-17-beta-estrioldihemisuccinate (E3-suc) in their effects on serum levels of glutamate transaminase (GOT), pyruvate transaminase (GPT), leucine amino peptidase (LAP), alkaline phosphatase (AP), and bilirubin in 30 hysterectomized and ovarectomized women (author's transl)] Leis D, et al. **Arch Gynecol** 226(4):333–9, 29 Dec 78 (Eng. Abstr.) **(Ger)**

ANALYSIS

Collagenolytic activity and steroid levels after administration of dehydroepiandrosterone sulfate. Mochizuki M, et al. **Int J Gynaecol Obstet** 16(3):248–53, 1978–79

BLOOD

Enhanced testosterone in female patients with anorexia nervosa: its normalization after weight gain. Baranowska B, et al. **Acta Endocrinol (Copenh)** 90(2):328–35, Feb 79

Total urine oestriol by a modification of a commercial plasma oestriol kit. Seddon RM, et al. **Ann Clin Biochem** 15(6):338–9, Nov 78

Determination of estrogen ring D glucuronides in pregnancy plasma by direct radioimmunoassay without hydrolysis. Numazawa M, et al. **Clin Chim Acta** 91(2):169–75, 15 Jan 79

Effect of hormones on the human fetal prostate. Zondek LH, et al. **Contrib Gynecol Obstet** 5:145–58, 1979 (34 ref.)

Collagenolytic activity and steroid levels after administration of dehydroepiandrosterone sulfate. Mochizuki M, et al. **Int J Gynaecol Obstet** 16(3):248–53, 1978–79

A preliminary study of plasma estriol levels in Malaysian pregnancies. Thambyrajah V, et al. **Med J Malaysia** 32(4):308–12, Jun 78

Estimation of urinary oestrogens. Stroud RE. **Med Lab Sci** 35(4):319, Oct 78

Fetal scalp sampling: its place in management. Wood C. **Semin Perinatol** 2(2):169–79, Apr 78

[Total serum estriol. Some clinical data of pregnant women in Denmark] Hamann GO, et al. **Ugeskr Laeger** 141(6):360–2, 5 Feb 79 (Eng. Abstr.) **(Dan)**

[Free estriol in serum during the latter half of pregnancy.

Normal value and diurnal rhythm] Heisterberg L, et al. **Ugeskr Laeger** 141(4):217–9, 22 Jan 79 (Eng. Abstr.) **(Dan)**

[Concentrations of total oestriol, non-conjugated oestriol, human placental lactogen and oxytocinase in the serum, and total oestrogens in the urine of pregnant women, following the administration of betamethasone (author's transl)] Knoll E, et al. **J Clin Chem Clin Biochem** 16(11):621–4, Nov 78 (Eng. Abstr.) **(Ger)**

[Diagnosis of placental sulphatase deficiency (author's transl)] Bailer P, et al. **Z Geburtshilfe Perinatol** 182(5):384–8, Oct 78 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Preparation and purification of estriol, estradiol, and progesterone labeled with radioactive iodine. Varvarigou A, et al. **Eur J Nucl Med** 3(3):191–5, 1 Jul 78

METABOLISM

Steroid metabolism in human breast cancer cell lines. Raju U, et al. **Steroids** 32(5):669–80, Dec 78

PHARMACODYNAMICS

Comparative studies on two combination oral contraceptives, one containing synthetic estrogen, the other 'natural' estrogens. Saunders DM, et al. **Contraception** 18(5):527–34, Nov 78

Estriol antagonism of the action of bradykinin and adrenalin on human umbilical artery. Silva de Sá MF, et al. **Gynecol Obstet Invest** 9(1):49–56, 1978

Effect of estrogen upon the juxtaglomerular apparatus and the renin–angiotensin system in rats. Kondo K, et al. **Tohoku J Exp Med** 126(3):267–72, Nov 78

[Comparative high rising dose study of oral 17-alpha-ethinylestradiol (EE2), estriol (E3), and parenteral 16-alpha-17-beta-estrioldihemisuccinate (E3-suc) in their effects on serum levels of glutamate transaminase (GOT), pyruvate transaminase (GPT), leucine amino peptidase (LAP), alkaline phosphatase (AP), and bilirubin in 30 hysterectomized and ovarectomized women (author's transl)] Leis D, et al. **Arch Gynecol** 226(4):333–9, 29 Dec 78 (Eng. Abstr.) **(Ger)**

[Inhibitory effects of estrogen on the differentiation of stem cells toward the immunologically competent cells (author's transl)] Tsuchiya H. **Nippon Ketsueki Gakkai Zasshi** 41(5):923–8, Oct 78 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Epidemiology of breast cancer. Saracci R, et al. **Semin Oncol** 5(4):342–50, Dec 78

THERAPEUTIC USE

Effect of estrogen treatment on coagulation and fibrinolysis in postmenopausal women. With special reference to cold activation of factor VII. Gjønnaess H, et al. **Gynecol Obstet Invest** 9(2–3):109–23, 1978

[Morphological criteria of the local effect in preparing for vaginal operations with estriol preparations] Vikhliaeva EM, et al. **Akush Ginekol (Mosk)** (12):7–12, Dec 78 (Eng. Abstr.) **(Rus)**

URINE

Fetal movement monitoring in normal and high-risk pregnancy. Ehrström C. **Acta Obstet Gynecol Scand [Suppl]** (80):1–32, 1979

Total urine oestriol by a modification of a commercial plasma oestriol kit. Seddon RM, et al. **Ann Clin Biochem** 15(6):338–9, Nov 78

Routine antenatal tests. Rome RM. **Aust Fam Physician** 7(9):1098–1103, Sep 78

Assessment of foetal welfare. Targett CS. **Aust Fam Physician** 7(9):1093–96, Sep 78

The recurrence rate and significance of low oestriol excretion in successive pregnancies. Oats JJ, et al. **Br J Obstet Gynaecol** 86(1):15–8, Jan 79

Improved radioimmunoassay of urinary estriol. Jawad MJ, et al. **Clin Chem** 25(1):99–102, Jan 79

High-risk pregnancy screening techniques: a nursing overview. Diamond F. **JOGN Nurs** 7(6):15–20, Nov–Dec 78

Some chemical and bacterial contributions to analytical variation in urinary oestrogen quantitations during pregnancy. Simkins A, et al. **Med Lab Sci** 35(4):325–34, Oct 78

Estimation of urinary oestrogens. Stroud RE. **Med Lab Sci** 35(4):319, Oct 78

Comparison of urinary pregnanediol and estriol excretion as indexes of placental function. Fliegner JR. **Obstet Gynecol** 53(1):93–8, Jan 79

Evaluation of the contraction stress test before 33 weeks' gestation. Gabbe SG, et al. **Obstet Gynecol** 52(6):649–52, Dec 78

[Simple method of determination of urinary estrogen and creatinine in pregnancy] Kawamoto Y, et al. **Horumon To Rinsho** 26(10):1037–41, Oct 78 **(Jpn)**

ESTROGEN ANTAGONISTS

Correlation between antiestrogenic and antiovulatory activity of some newer substituted coumarins. Agrawal AK, et al. **Res Commun Chem Pathol Pharmacol** 22(3):625–8, Dec 78

[11-azasteroids. V. Hormonal properties of 11-azaestranes] Ivanenko TI, et al. **Probl Endokrinol (Mosk)** 25(1):62–8, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of bromocriptine (CB-154) on oestrogen-induced prolactin release. D'Agata R, et al. **Acta Endocrinol (Copenh)** 90(2):193–7, Feb 79

The binding of [3H]-oestradiol-17 beta in the immature rat uterus during the sequential administration of non-steroidal anti-oestrogens. Jordan VC, et al. **Br J Pharmacol** 65(2):167–73, Feb 79

Effect of different antiestrogen on glycogen breakdown of cycling rat uterus during estrous & proestrous phases. Guin AK, et al. **Indian J Biochem Biophys** 15(4):319–22, Aug 78

THERAPEUTIC USE

[Palliative treatment of metastasized hypernephroma] Klippel KF, et al. **Dtsch Med Wochenschr** 104(1):28–31, 5 Jan 79 **(Ger)**

ESTROGENIC SUBSTANCES, CONJUGATED

ADVERSE EFFECTS

Endometrial cancer and exogenous estrogens [letter] Obrink A, et al. **Acta Obstet Gynecol Scand** 58(1):123, 1979

[Estrogen substitution and endometrial carcinoma] Kruyver GP. **Ned Tijdschr Geneeskd** 123(10):383–7, 10 Mar 79 (Eng. Abstr.) **(Dut)**

METABOLISM

[In vitro comparative metabolism of 6,7-3H estrone and 6,7-3H estrone-3-sulfate in maternal and fetal guinea-pig liver] Goutte-Coussieu C, et al. **Biochimie** 60(8):795–8, 1978 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Plasma levels of oestrone, oestradiol and gonadotrophins in postmenopausal women after oral and vaginal administration of conjugated equine oestrogens (Premarin). Englund DE, et al. **Br J Obstet Gynaecol** 85(12):957–64, Dec 78

Biochemical studies on endometrium from postmenopausal women receiving hormone replacement therapy. King RJ, et al. **Postgrad Med J** 54(2):65–8, 1978

The effects of Premarin and norgestrel on plasma FSH, LH and androstenedione in post-menopausal women. Sexton L, et al. **Postgrad Med J** 54(2):42–6, 1978

THERAPEUTIC USE

[Correlation of clinical status and morphological changes in prostatic carcinoma treated with estrogenic substances] Kliment J, et al. **Rozhl Chir** 57(12):798–804, Dec 78 (Eng. Abstr.) **(Slo)**

URINE

Rapid fluorometry of estrogens in nonpregnancy urine, with use of chloroform extraction and purification by anion-exchange chromatography. Goutte-Coussieu C, et al. **Clin Chem** 25(2):230–4, Feb 79

ESTROGENS

[Progress in the field of drug development. 11.] Henkler G, et al. **Pharmazie** 33(9):551–67, Sep 78 (306 ref.) **(Ger)**

ADMINISTRATION & DOSAGE

Replacement estrogens and endometrial cancer. Jick H, et al. **N Engl J Med** 300(5):218–22, 1 Feb 79

Review of the status of oestrogen replacement therapy. Bye PG. **Postgrad Med J** 54(2):7–10, 1978 (19 ref.)

The practical application of oestrogen–progestogen regimens for pre- and post-menopausal women. Maddison J. **Postgrad Med J** 54(2):91, 1978

[Beta-receptor blockaders in pre- and post-menopause] Berger M. **Gynaekol Rundsch** 18 Suppl 1:160–1, 1978 **(Ger)**

[Experimental studies on the castration osteoporosis in the rat. I. Bone morphometry] Hempel E, et al. **Zentralbl Gynaekol** 100(21):1385–90, 1978 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Progestogen modification of endometrial histology in menopausal women [letter] Whitehead MI, et al. **Br Med J** 2(6152):1643–4, 9 Dec 78

Reproductive hormone function: the perimenopausal period and beyond. Korenman SG, et al. **Clin Endocrinol Metab** 7(3):625–43, Nov 78 (82 ref.)

Hormone administration during pregnancy and its effect on the offspring. Browne JC. **Contrib Gynecol Obstet** 5 1979 (31 ref.)

Intravaginal estrogen creams and endometrial cancer: no causal association found. Horwitz RI, et al. **JAMA** 241(12):1266–7, 23 Mar 79

Case–control studies of estrogens and endometrial cancer [letter] **N Engl J Med** 300(9):495–7, 1 Mar 79

Replacement estrogens and endometrial cancer. Jick H, et al. **N Engl J Med** 300(5):218–22, 1 Feb 79

The prolactinoma problem [editorial] Reichlin S. **N Engl J Med** 300(6):313–5, 8 Feb 79

Risk factors associated with breast cancer. Anthony CJ. **Nurse Pract** 3(4):31–2, Jul–Aug 78

Understanding and preventing the menopausal crisis. McGuire LS, et al. **Nurse Pract** 3(4):15–8, Jul–Aug 78

Concentric circle operation for massive gynecomastia to excise the redundant skin. Davidson BA. **Plast Reconstr Surg** 63(3):350–4, Mar 79

Endometrial factors under treatment with oestrogen and oestrogen/progestogen combinations. Aylward M, et al. **Postgrad Med J** 54(2):74–81, 1978

Review of the status of oestrogen replacement therapy. Bye PG. **Postgrad Med J** 54(2):7–10, 1978 (19 ref.)

The modifying effect of progestogen on the response of the post-menopausal endometrium to exogenous oestrogens. Campbell S, et al. **Postgrad Med J** 54(2):59–64, 1978

Clinical considerations in the management of the menopause: the endometrium. Whitehead MI, et al. **Postgrad Med J** 54(2):69–73, 1978

Estrogen and alternative therapy of the menopausal patient. Lichten EM. **Primary Care** 5(4):607–14, Dec 78

Epidemiology of breast carcinoma: Age, menstrual status, and exogenous hormone usage in patients with lobular carcinoma in situ. Rosen PP, et al. **Surgery** 85(2):219–224, Feb 79

[Estrogen substitution and endometrial carcinoma] Kruyver GP. **Ned Tijdschr Geneeskd** 123(10):383–7, 10 Mar 79 (Eng. Abstr.) **(Dut)**

[Estrogens and 'the change'; a wealth of hypotheses] Lappöhn RE. **Ned Tijdschr Geneeskd** 123(10):396–8, 10 Mar 79 **(Dut)**

[Hormone therapy controversy: estrogen therapy of menopausal women] Gaspard U, et al. **Rev Med Liege** 34(2):52–4, 15 Jan 79 **(Fre)**

[Effect of salt consumption, psychological stress and contraceptives on the course of blood pressure in rats with hereditary spontaneous hypertension (SH rats)] Samizadeh A, et al. **Verh Dtsch Ges Inn Med** (84):803–6, 1978 **(Ger)**

[Epidemiology of breast cancer] Margreiter R. **Wien Med Wochenschr** 128(24):747–52, 30 Dec 78 (87 ref.) **(Ger)**

[Changes in the endometrium from the use of hormonal preparations and hormonal contraceptives] Jellinek G. **Arkh Patol** 40(11):36–45, 1978 (Eng. Abstr.) **(Rus)**

ANALYSIS

Plasma levels of oestrone and oestradiol-17beta in postmenopausal women. Badawy SZ, et al. **Br J Obstet Gynaecol** 86(1):56–63, Jan 79

Existence of an estrogen-like compound in the ovary of the shrimp Parapenaeus fissurus. Jeng SS, et al. **Gen Comp Endocrinol** 36(2):211–4, Oct 78

[Ovarian corpus luteum insufficiency (clinical, endocrinologic, histopathologic and therapeutic study)] Germano FP, et al. **Obstet Ginecol Lat Am** 36(3–4):72–102, Mar–Apr 78 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

A combined biochemical and histochemical study on steroid metabolism in mouse ovary and ovarian tumours. Snoeijing R, et al. **Acta Histochem [Suppl] (Jena)** 14:119–28, 1975

Cytotoxic activity of 1-(o-chlorophenyl)-1-(p-chlorophenyl)-2,2-dichloroethan (mitotane) and its analogs on feminizing adrenal neoplastic cells in culture. Fang VS. **Cancer Res** 39(1):139–45, Jan 79

Hormonal control of parturition in the sheep and goat. Thorburn GD. **Semin Perinatol** 2(3):235–45, Jul 78 (64 ref.)

Glucocorticoid inhibition of FSH-induced estrogen production in cultured rat granulosa cells. Hsueh AJ, et al. **Steroids** 32(5):639–48, Dec 78

[Structure and function of steroid active cells in the postmenopausal ovary (electron microscopic and histochemical studies)] Mestwerdt W, et al. **Acta Histochem [Suppl] (Jena)** 14:255–70, 1975 **(Ger)**

BLOOD

Serum prolactin and gonadotrophin levels before and after luteinizing hormone-releasing hormone in the investigation of amenorrhoea. Bergh T, et al. **Br J Obstet Gynaecol** 85(12):945–56, Dec 78

Endocrine status in normal British, Japanese and Hawaiian–Japanese women. Hayward JL, et al. **Eur J Cancer** 14(11):1221–8, Nov 78

Influence of pinealectomy on serum estrogen and progesterone levels in blind-anosmic female rats. Vaughan GM, et al. **Experientia** 34(10):1378–9, 15 Oct 78

Monitoring of ovulation induction. Wu CH. **Fertil Steril** 30(6):617–30, Dec 78

Feminization of the alcoholic: the estrogen/testosterone ratio (E/T) [editorial] Lester R, et al. **Gastroenterology** 76(2):415–7, Feb 79

Testicular steroid secretion in response to GnRH-mediated LH and FSH release in bulls. Schanbacher BD, et al. **J Anim Sci** 47(2):514–20, Aug 78

Influence of epiphysectomy on the circadian rhythm of the glucocorticoid, androgenic, estrogenic, and gestagenic function of the endocrine glands. Golikov PP, et al. **Neurosci Behav Physiol** 8(4):281–4, Oct–Dec 77

Hormonal content of plasma and endometrium of women taking oral contraceptives. Porias H, et al. **Obstet Gynecol** 52(6):703–7, Dec 78

Capillary and venous blood estrogen in pregnancy. Sankolli GM, et al. **Obstet Gynecol** 53(1):109–10, Jan 79

[Significance of serum testosterone and LH determination in the hormonal therapy of prostatic cancer] Scheinar J, et al. **Rozhl Chir** 57(12):805–12, Dec 78 (Eng. Abstr.) **(Cze)**

[Diagnosis of placental sulphatase deficiency (author's transl)] Bailer P, et al. **Z Geburtshilfe Perinatol** 182(5):384–8, Oct 78 (Eng. Abstr.) **(Ger)**

[Fat protrusion of the skin and sex hormones in Klinefelter syndrome] Nürnberger F, et al. **Z Hautkr** 54(2):47–57, 15 Jan 79 **(Ger)**

DEFICIENCY

Gonadotropic patterns in psychogenic amenorrhea. Groll M. **Int J Gynaecol Obstet** 16(1):53–5, 1978

Intravaginal estrogen creams and endometrial cancer: no causal association found. Horwitz RI, et al. **JAMA** 241(12):1266–7, 23 Mar 79

DIAGNOSTIC USE

Research in reproductive hormones. Butt WR. **Ann Clin Biochem** 16(1):1–5, Jan 79

The role of oestrogen test in threatened abortion. Rizvi R, et al. **Indian J Pathol Microbiol** 21(2):165–70, Apr 78

Oral contraception and the detection of carriers in haemophilia B. Briët E, et al. **Thromb Res** 13(3):379–88, Sep 78

ISOLATION & PURIFICATION

Rapid fluorometry of estrogens in nonpregnancy urine, with use of chloroform extraction and purification by anion-exchange chromatography. Goutte-Coussieu C, et al. **Clin Chem** 25(2):230-4, Feb 79

METABOLISM

The specificity of the human uterine receptor. Fanchenko ND, et al. **Acta Endocrinol (Copenh)** 90(1):167-75, Jan 79

Pilot study on the growth inhibition by estramustine phosphate (Estracyt) of rat mammary tumours sensitive and insensitive of oestrogen. Müntzing J, et al. **Acta Pharmacol Toxicol (Copenh)** 44(1):1-6, Jan 79

Bladder carcinoma associated with ectopic production of gonadotropin. Kawamura J, et al. **Cancer** 42(6):2773-80, Dec 78

Pituitary and placental gonadotrophins and sex steroids in the human and sub-human primate fetus. Kaplan SL, et al. **Clin Endocrinol Metab** 7(3):487-511, Nov 78 (114 ref.)

Effect of hormones on the human fetal prostate. Zondek LH, et al. **Contrib Gynecol Obstet** 5:145-58, 1979 (34 ref.)

Biological activities and receptor affinities of some natural and synthetic oestrogens and their D-homo analogues. Lotz W. **Experientia** 34(10):1373-4, 15 Oct 78

Binding specificity of estrogens and norandrogens to rat alpha-fetoprotein (AFP). Versée V, et al. **FEBS Lett** 96(1):155-8, 1 Dec 78

Feminization of the alcoholic: the estrogen/testosterone ratio (E/T) [editorial] Lester R, et al. **Gastroenterology** 76(2):415-7, Feb 79

Sexual differentiation of the brain. Gorski RA. **Hosp Pract** 13(10):55-62, Oct 78

Estrogen and progestin binding in cytosols of ovarian adenocarcinomas. Holt JA, et al. **Obstet Gynecol** 53(1):50-8, Jan 79

Oral contraceptive use and secondary amenorrhea. Kissi M, et al. **Obstet Gynecol** 53(2):241-4, Feb 79

Hormonal content of plasma and endometrium of women taking oral contraceptives. Porias H, et al. **Obstet Gynecol** 52(6):703-7, Dec 78

Clinical considerations in the management of the menopause: the endometrium. Whitehead MI, et al. **Postgrad Med J** 54(2):69-73, 1978

Parturition in rodents. Nathanielsz PW. **Semin Perinatol** 2(3):223-34, Jul 78 (86 ref.)

Cellular vitamin A binding proteins. Chytil F, et al. **Vitam Horm** 36:1-32, 1978 (101 ref.)

[Tryptophan. Peripheral regulation of central function] Møller SE. **Ugeskr Laeger** 141(7):458-61, 12 Feb 79 (Eng. Abstr.) **(Dan)**

PHARMACODYNAMICS

Development of the IgA system in the mammary gland. Lamm ME, et al. **Adv Exp Med Biol** 107:35-42, 1978

Three different molecular weight forms of the vitellogenin peptide from Xenopus laevis. Wiley HS, et al. **Biochem Biophys Res Commun** 85(1):153-9, 14 Nov 78

The regulation of amino acid transport in animal cells. Guidotti GG, et al. **Biochim Biophys Acta** 515(4):329-66, 15 Dec 78 (430 ref.)

Plasma sex hormone binding globulin and oestrogen therapy [proceedings] Jequier AM, et al. **Br J Clin Pharmacol** 6(5):464P, Nov 78

Effects of hormones on osteocyte function and perilacunar wall structure. Baud CA, et al. **Clin Orthop** (136):270-81, Oct 78 (81 ref.)

Effects of sex steroids and antihormones on growth, adhesiveness and receptors of L-929 cells cultured in serum-containing and serum-free media. Jung-Testas I, et al. **Exp Cell Res** 119(1):75-85, 1 Mar 79

Biological activities and receptor affinities of some natural and synthetic oestrogens and their D-homo analogues. Lotz W. **Experientia** 34(10):1373-4, 15 Oct 78

Epithelial changes in the oral mucosa resulting from a variation in hormone stimulus. Croley TE, et al. **J Oral Med** 33(3):86-9, Jul-Sep 78

Changes in pituitary oxytocin and vasopressin during the estrous cycle and after ovarian hormones: evidence for mediation by norepinephrine. Crowley WR, et al. **Life Sci** 23(26):2579-85, 25 Dec 78

Hormonal regulation of Leydig cell function. Purvis K, et al. **Mol Cell Endocrinol** 12(2):123-38, Nov 78 (65 ref.)

Synthesis of vitellogenin, an attractive model for investigating hormone-induced gene activation. Ryffel GU. **Mol Cell Endocrinol** 12(3):237-46, Dec 78 (58 ref.)

Thyroid hormone induces competence for oestrogen-dependent vitellogenin synthesis in developing Xenopus laevis liver. Huber S, et al. **Nature** 278(5699):65-7, 1 Mar 79

Attenuation of angiotensin-induced water intake in estrogen-treated rats. Fregly MJ, et al. **Pharmacol Biochem Behav** 9(4):509-14, Oct 78

Effects of p-chloroamphetamine and 5,7-dihydroxytryptamine on the sexual behavior of gonadectomized male and female rats. Södersten P, et al. **Pharmacol Biochem Behav** 9(4):499-508, Oct 78

Dietary effects upon food and water intake and responsiveness to estrogen, 2-deoxy-glucose and glucose in female rats. Young JK, et al. **Physiol Behav** 21(3):395-403, Sep 78

Effects of estrogen upon feeding inhibition produced by intragastric glucose loads. Young JK, et al. **Physiol Behav** 21(3):423-30, Sep 78

Coagulation factors in opposed and unopposed oestrogen treatment at the climacteric. Aylward M. **Postgrad Med J** 54(2):31-7, 1978

Effects of progestogens on serum lipids in the post-menopause. Maddock J. **Postgrad Med J** 54(2):38-41, 1978

Estrogen control of prolactin synthesis in vitro. Lieberman ME, et al. **Proc Natl Acad Sci USA** 75(12):5946-9, Dec 78

Physiologic basis of myometrial function. Anderson NC Jr. **Semin Perinatol** 2(3):211-22, Jul 78 (58 ref.)

The effect of various hormones on the humoral immune response of murine lymphocytes in vitro. Okamura K, et al. **Tohoku J Exp Med** 126(3):235-8, Nov 78

Effect of sex steroid hormones on the serum prolactin concentration. Yoshida T, et al. **Tohoku J Exp Med** 127(2):119-22, Feb 79

On the systemic mode of action of vitamin A. Ganguly J, et al. **World Rev Nutr Diet** 31:59-64, 1978

[Estrogenic stimulation of the follicular phase of the human menstrual cycle: neuro endocrinian investigation (author's transl)] Gautray JP, et al. **Rev Fr Gynecol Obstet** 73(12):789-94, Dec 78 **(Fre)**

[Inhibitory effects of estrogen on the differentiation of stem cells toward the immunologically competent cells (author's transl)] Tsuchiya H. **Nippon Ketsueki Gakkai Zasshi** 41(5):923-8, Oct 78 (Eng. Abstr.) **(Jpn)**

[The effect of steroid hormones: oestrogens and progesterone, chorionic gonadotrophin and LH-releasing factor on the structure of filtration angle and intraocular tension in rabbits (author's transl)] Gierkowa A, et al. **Klin Oczna** 48(12):643-5, Dec 78 (Eng. Abstr.) **(Pol)**

[Serum levels of pituitary thyrotropin during estrogen administration in males] Zaninovich AA, et al. **Medicina (B Aires)** 38(4):347-51, Jul-Aug 78 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Effect of the anti-estrogen, nafoxidine, on NZB/W autoimmune disease. Duvic M, et al. **Arthritis Rheum** 21(4):414-7, May 78

Effect of hormones on the human fetal prostate. Zondek LH, et al. **Contrib Gynecol Obstet** 5:145-58, 1979 (34 ref.)

Effect of synthetic and natural sex steroids on X-chromatin. Chakravarty A, et al. **Indian J Med Res** 68:785-9, Nov 78

Reproductive endocrinology and the merry post-war period. The Sir Henry Dale lecture for 1978. Diczfalusy E. **J Endocrinol** 79(2):3P-17P, Nov 78

Menopausal changes in bone remodeling. Heaney RP, et al. **J Lab Clin Med** 92(6):964-70, Dec 78

Estrogenic effect in vaginal smears in cancer of the uterine cervix. Schreiner P, et al. **Neoplasma** 25(5):637-9, 1978

Endocrine factors in the modulation of food intake. Bray GA. **Proc Nutr Soc** 37(3):301-9, Dec 78 (53 ref.)

Control of parturition in subhuman primates. Challis JR, et al. **Semin Perinatol** 2(3):247-60, Jul 78 (66 ref.)

Ripening of the cervix. Liggins GC. **Semin Perinatol** 2(3):261-71, Jul 78 (56 ref.)

Steroid hormone regulation of specific gene expression. Chan L, et al. **Vitam Horm** 36:259-95, 1978 (202 ref.)

The interactions between vitamin B6 and hormones. Rose DP. **Vitam Horm** 36:53-99, 1978 (218 ref.)

[Causes of the onset of labor] Katsulov A. **Akush Ginekol (Sofiia)** 17(6):447-56, 1978 (61 ref.) (Eng. Abstr.) **(Bul)**

[Pathogenesis of the premenstrual syndrome (author's transl)] Van Bogaert LJ. **Nouv Presse Med** 7(43):3921-4, 2 Dec 78 (Eng. Abstr.) **(Fre)**

[Biology of breast cancer: current approaches to new treatment modalities (conclusion)] Nagel-Studer E, et al. **Schweiz Med Wochenschr** 108(52):2079-86, 30 Dec 78 **(Ger)**

SECRETION

Feminization of the alcoholic: the estrogen/testosterone ratio (E/T) [editorial] Lester R, et al. **Gastroenterology** 76(2):415–7, Feb 79

Stimulation of estrogen and luteinizing hormone secretion in postpartum beef cows. Echternkamp SE. **J Anim Sci** 47(2):521–31, Aug 78

Pathological aspects of the infertile testis. Wong TW, et al. **Urol Clin North Am** 5(3):503–30, Oct 78 (58 ref.)

THERAPEUTIC USE

Pilot study on the growth inhibition by estramustine phosphate (Estracyt) of rat mammary tumours sensitive and insensitive of oestrogen. Müntzing J, et al.
Acta Pharmacol Toxicol (Copenh) 44(1):1–6, Jan 79

What to do with 'postmenopausal osteoporosis?' [editorial] Avioli LV. **Am J Med** 65(6):881–4, Dec 78

Programmed instruction: cancer care. Cancer chemotherapy: steroid hormones. Pilapil F, et al. **Cancer Nurs** 1(6):473–82, Dec 78

Reproductive hormone function: the perimenopausal period and beyond. Korenman SG, et al.
Clin Endocrinol Metab 7(3):625–43, Nov 78 (82 ref.)

Management of osteoporosis. Wallach S. **Hosp Pract** 13(12):91–8, Dec 78

Menopausal changes in calcium balance performance. Heaney RP, et al. **J Lab Clin Med** 92(6):953–63, Dec 78

Menopausal changes in bone remodeling. Heaney RP, et al. **J Lab Clin Med** 92(6):964–70, Dec 78

Intravaginal estrogen creams and endometrial cancer: no causal association found. Horwitz RI, et al. **JAMA** 241(12):1266–7, 23 Mar 79

Understanding and preventing the menopausal crisis. McGuire LS, et al. **Nurse Pract** 3(4):15–8, Jul–Aug 78

Endometrial factors under treatment with oestrogen and oestrogen/progestogen combinations. Aylward M, et al.
Postgrad Med J 54(2):74–81, 1978

Review of the status of oestrogen replacement therapy. Bye PG. **Postgrad Med J** 54(2):7–10, 1978 (19 ref.)

The modifying effect of progestogen on the response of the post-menopausal endometrium to exogenous oestrogens. Campbell S, et al. **Postgrad Med J** 54(2):59–64, 1978

The practical application of oestrogen–progestogen regimens for pre- and post-menopausal women. Maddison J.
Postgrad Med J 54(2):91, 1978

Clinical considerations in the management of the menopause: the endometrium. Whitehead MI, et al. **Postgrad Med J** 54(2):69–73, 1978

Future reserch--potentially rewarding areas for investigation. Wiseman RA. **Postgrad Med J** 54(2):95–9, 1978

Estrogen and alternative therapy of the menopausal patient. Lichten EM. **Primary Care** 5(4):607–14, Dec 78

[Adrenocorticotropic and steroid secretion in hirsute pregnant women with habitual abortion] Despodova Ts, et al.
Akush Ginekol (Sofiia) 17(6):417–23, 1978 (Eng. Abstr.) **(Bul)**

[Estrogen substitution and endometrial carcinoma] Kruyver GP. **Ned Tijdschr Geneeskd** 123(10):383–7, 10 Mar 79 (Eng. Abstr.) **(Dut)**

[Estrogens and 'the change'; a wealth of hypotheses] Lappöhn RE. **Ned Tijdschr Geneeskd** 123(10):396–8, 10 Mar 79 **(Dut)**

[Hormone therapy controversy: estrogen therapy of menopausal women] Gaspard U, et al. **Rev Med Liege** 34(2):52–4, 15 Jan 79 **(Fre)**

[Beta-receptor blockaders in pre- and post-menopause] Berger M. **Gynaekol Rundsch** 18 Suppl 1:160–1, 1978 **(Ger)**

[Effect of sex hormones on cellular immunity in metastasizing breast neoplasms] Illiger HJ, et al.
Verh Dtsch Ges Inn Med (84):615–8, 1978 **(Ger)**

[Sex hormones and the infection process] Rudzit EA, et al.
Patol Fiziol Eksp Ter (6):77–83, Nov–Dec 78 (50 ref.) **(Rus)**

[Present-day state of the problem of kraurosis vulvae] Kalamkarian AA, et al. **Vestn Dermatol Venerol** (12):29–33, Dec 78 (51 ref.) **(Rus)**

[The post uterine curettage amenorrhea syndrome. Study and treatment of 50 cases] Tozzini RI, et al.
Obstet Ginecol Lat Am 36(3–4):114–8, Mar–Apr 78 (Eng. Abstr.) **(Spa)**

[Treatment of carcinoma of the breast (author's transl)] Ramirez G. **Rev Med Chil** 106(10):801–8, Oct 78 (Eng. Abstr.) **(Spa)**

URINE

Diagnostic evaluation of progesterone. Challenge test in amenorrheic patients. Nakano R, et al.
Acta Obstet Gynecol Scand 58(1):59–64, 1979

The effect of oestradiol valerate therapy on coagulation factors and lipid and oestrogen levels in oöphorectomised women. Saunders DM, et al.
Aust NZ J Obstet Gynaecol 18(3):198–201, Aug 78

Comparison of spontaneous and contraceptive menstrual cycles on a visual discrimination task. Friedman J, et al.
Aust NZ J Psychiatry 12(4):233–9, Dec 78

Oestrogen–gonadotrophin feedback abnormalities in hyperprolactinaemic amenorrhoea demonstrated by the response to clomiphene administration. Glass MR, et al.
Br J Obstet Gynaecol 86(1):64–8, Jan 79

Rapid fluorometry of estrogens in nonpregnancy urine, with use of chloroform extraction and purification by anion–exchange chromatography. Goutte–Coussieu C, et al.
Clin Chem 25(2):230–4, Feb 79

Comparative studies on two combination oral contraceptives, one containing synthetic estrogen, the other 'natural' estrogens. Saunders DM, et al. **Contraception** 18(5):527–34, Nov 78

Monitoring of ovulation induction. Wu CH. **Fertil Steril** 30(6):617–30, Dec 78

Effect of CuT-200 on urinary steroid hormone patterns in women. Allag IS, et al. **Indian J Med Res** 68:614–9, Oct 78

Intrauterine fetal demise associated with consumption coagulopathy in a Douc langur monkey (Pygathrix nemaeus nemaeus). Resnik R, et al. **J Med Primatol** 7(4):249–53, 1978

A simplified method for the estimation of urinary oestrogens during pregnancy. Durham BH. **Med Lab Sci** 35(4):321–4, Oct 78

Estimation of urinary oestrogens. Stroud RE.
Med Lab Sci 35(4):319, Oct 78

[Structure and function of steroid active cells in the postmenopausal ovary (electron microscopic and histochemical studies)] Mestwerdt W, et al.
Acta Histochem [Suppl] (Jena) 14:255–70, 1975 **(Ger)**

[Concentrations of total oestriol, non-conjugated oestriol, human placental lactogen and oxytocinase in the serum, and total oestrogens in the urine of pregnant women, following the administration of betamethasone (author's transl)] Knoll E, et al. **J Clin Chem Clin Biochem** 16(11):621–4, Nov 78 (Eng. Abstr.) **(Ger)**

[Excretion of estrogens and pregnanediol by pregnant women with cervical insufficiency] Krauze M. **Wiad Lek** 31(22):1587–91, 15 Nov 78 (Eng. Abstr.) **(Pol)**

[Hormonal status and the clinical course of ovarian cancer] Livshits MA, et al. **Akush Ginekol (Mosk)** (12):29–31, Dec 78 (Eng. Abstr.) **(Rus)**

[Characteristics in the correlation of ovarian cycle hormones in mastopathy and breast cancer] Kuz'mina ZV, et al.
Vestn Akad Med Nauk SSSR (2):60–4, 1979 (Eng. Abstr.) **(Rus)**

ESTROGENS, SYNTHETIC

ADVERSE EFFECTS

Endometrial cancer and exogenous estrogens [letter] Obrink A, et al. **Acta Obstet Gynecol Scand** 58(1):123, 1979

Estrogen use – risk of endometrial carcinoma. Hoogerland DL, et al. **Gynecol Oncol** 6(5):451–8, Oct 78

[Acute aortic thrombosis (author's transl)] Treugut H, et al. **ROEFO** 130(1):39–42, Jan 79 (Eng. Abstr.) **(Ger)**

[Possible carcinogenic action of sex hormones in the perinatal period of ontogeny] Ird EA, et al.
Akush Ginekol (Mosk) (12):4–7, Dec 78 (28 ref.) **(Rus)**

[Changes in the endometrium from the use of hormonal preparations and hormonal contraceptives] Jellinek G.
Arkh Patol 40(11):36–45, 1978 (Eng. Abstr.) **(Rus)**

METABOLISM

Sex hormone binding globulin and transcortin in human and baboon males. Karr JP, et al. **Arch Androl** 1(2):123–9, 1978

Biological activities and receptor affinities of some natural and synthetic oestrogens and their D–homo analogues. Lotz W. **Experientia** 34(10):1373–4, 15 Oct 78

PHARMACODYNAMICS

Effect of sex hormones on immunity [letter] Ablin RJ.
Clin Oncol 4(4):379–82, Dec 78

Biological activities and receptor affinities of some natural and synthetic oestrogens and their D–homo analogues. Lotz W. **Experientia** 34(10):1373–4, 15 Oct 78

Sex steroids and thyroid function tests: the role of estrogen

and progestogen. Miyamoto J. **Int J Gynaecol Obstet** 16(1):28–33, 1978

The physiological action of progesterone and the pharmacological effects of progestogens--a short review. Neumann F. **Postgrad Med J** 54(2):11–24, 1978 (28 ref.)

Mechanism of action of hypothalamic hormones in the anterior pituitary gland and specific modulation of their activity by sex steroids and thyroid hormones. Labrie F, et al. **Recent Prog Horm Res** 34:25–93, 1978 (175 ref.)

The interactions between vitamin B6 and hormones. Rose DP. **Vitam Horm** 36:53–99, 1978 (218 ref.)

[A new synthetic estrone derivative for the treatment of climacteric disorders] Cyran W. **Med Welt** 30(10):384–8, 9 Mar 79 **(Ger)**

THERAPEUTIC USE

Chemotherapy of unresectable or recurrent metastatic malignant melanomas: an update. Block JB, et al. **J Dermatol Surg Oncol** 5(2):118–23, Feb 79

Thrombotic complications in patients with advanced prostatic cancer treated with chemotherapy [letter] Kasimis BS, et al. **Lancet** 1(8108):159, 20 Jan 79

Review of the status of oestrogen replacement therapy. Bye PG. **Postgrad Med J** 54(2):7–10, 1978 (19 ref.)

ETHINYL ESTRADIOL

ADMINISTRATION & DOSAGE

Ethinyl estradiol in peripheral plasma after oral administration of 30 microgram and 50 microgram to women. Nilsson S, et al. **Contraception** 18(5):469–75, Nov 78

[Experimental studies on the castration osteoporosis in the rat. I. Bone morphometry] Hempel E, et al. **Zentralbl Gynaekol** 100(21):1385–90, 1978 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Oral contraceptive therapy and systemic lupus erythematosus. Travers RL, et al. **J Rheumatol** 5(4):448–51, Winter 78

[Spontaneous rupture of a liver adenoma following many years' ingestion of an oral contraceptive (author's transl)] Pollak H. **MMW** 121(3):93–4, 19 Jan 79 (Eng. Abstr.) **(Ger)**

[Oral contraceptives, hyperlipoproteinemia and ischemic heart disease] Titov VN, et al. **Ter Arkh** 50(12):22–8, 1978 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

[The influence of hormonal contraceptives in the spectrum of free plasma amino acids] Klinger G, et al. **Dtsch Gesundheitsw** 33(50):2373–7, 1978 **(Ger)**

ANALYSIS

Content uniformity of potent drugs in tablets. Orr NA, et al. **J Pharm Pharmacol** 30(12):741–7, Dec 78

BLOOD

Ethinyl estradiol in peripheral plasma after oral administration of 30 microgram and 50 microgram to women. Nilsson S, et al. **Contraception** 18(5):469–75, Nov 78

METABOLISM

The effect of enzyme induction on the irreversible binding of ethynyloestradiol to guinea pig liver microsomes. Park BK, et al. **Life Sci** 23(25):2463–6, 18 Dec 78

PHARMACODYNAMICS

Endocrinological and physiological features after steroid treatment of male rats. Hunt DM, et al. **Arch Androl** 1(4):311–20, Sep 78

Comparison of spontaneous and contraceptive menstrual cycles on a visual discrimination task. Friedman J, et al. **Aust NZ J Psychiatry** 12(4):233–9, Dec 78

Effects of a combined oestrogen-progestin preparation on gastric acid and pepsin secretion, serum gastrin concentration and biliary secretion of bile acids, phospholipids, and cholesterol in the cat. Hirst BH, et al. **Br J Pharmacol** 65(1):87–95, Jan 79

Comparative studies on two combination oral contraceptives, one containing synthetic estrogen, the other 'natural' estrogens. Saunders DM, et al. **Contraception** 18(5):527–34, Nov 78

Effect of voldys, an oral contraceptive on the electrical activity of rat brain and heart. Mukherjee C, et al. **Curr Sci** 47(17):614–6, 5 Sep 78

Sex steroids and thyroid function tests: the role of estrogen and progestogen. Miyamoto J. **Int J Gynaecol Obstet** 16(1):28–33, 1978

Oestrogenic activity of enoxolone in rodents. Dekanski JB, et al. **J Pharm Pharmacol** 31(1):62, Jan 79

The interaction of steroidal hormones with mucus glycoproteins [proceedings] Martin GP, et al. **J Pharm Pharmacol** 30 Suppl:10P, Dec 78

Hormonal content of plasma and endometrium of women taking oral contraceptives. Porias H, et al. **Obstet Gynecol** 52(6):703–7, Dec 78

Attenuation of angiotensin-induced water intake in estrogen-treated rats. Fregly MJ, et al. **Pharmacol Biochem Behav** 9(4):509–14, Oct 78

[Contraception the day afterward] Rozenbaum H. **Concours Med** 100(45):7501, 9 Dec 78 **(Fre)**

[Comparative high rising dose study of oral 17-alpha-ethinylestradiol (EE2), estriol (E3), and parenteral 16-alpha-17-beta-estrioldihemisuccinate (E3-suc) in their effects on serum levels of glutamate transaminase (GOT), pyruvate transaminase (GPT), leucine amino peptidase (LAP), alkaline phosphatase (AP), and bilirubin in 30 hysterectomized and ovarectomized women (author's transl)] Leis D, et al. **Arch Gynecol** 226(4):333–9, 29 Dec 78 (Eng. Abstr.) **(Ger)**

[The influence of hormonal contraceptives in the spectrum of free plasma amino acids] Klinger G, et al. **Dtsch Gesundheitsw** 33(50):2373–7, 1978 **(Ger)**

[Histofunctional aspects of the rat adrenals following administration of ethinyl estradiol (histological study)] Breda M, et al. **Boll Soc Ital Biol Sper** 54(1):105–10, 15 Jan 78 **(Ita)**

THERAPEUTIC USE

[Rebound regression after additional hormonal treatment with ethinyl oestradiol of metastasising carcinoma of the breast in females: frequency and clinical significance (author's transl)] Quednau D, et al. **Dtsch Med Wochenschr** 103(51):2029–32, 22 Dec 78 (Eng. Abstr.) **(Ger)**

[Effect of ethinyl estradiol sulfonate on decreased bladder tonus after the onset of menopause] Rettstke U. **Akush Ginekol (Mosk)** (12):37–8, Dec 78 (Eng. Abstr.) **(Rus)**

ETHYNODIOL DIACETATE

ADMINISTRATION & DOSAGE

The effects on sexual response and mood after sterilization of women taking long-term oral contraception: results of a double-blind cross-over study. Leeton J, et al. **Aust NZ J Obstet Gynaecol** 18(3):194–7, Aug 78

ADVERSE EFFECTS

[Overdose of oral contraceptive causing neurologic complications] Móritz P. **Orv Hetil** 120(2):89–90, 14 Jan 79 **(Hun)**

PHARMACODYNAMICS

Endocrinological and physiological features after steroid treatment of male rats. Hunt DM, et al. **Arch Androl** 1(4):311–20, Sep 78

Effects of oral contraceptives on zinc and copper levels in human plasma and endometrium during the menstrual cycle. Sing EJ, et al. **Arch Gynecol** 226(4):303–6, 29 Dec 78

The effects on sexual response and mood after sterilization of women taking long-term oral contraception: results of a double-blind cross-over study. Leeton J, et al. **Aust NZ J Obstet Gynaecol** 18(3):194–7, Aug 78

*

FLUOXYMESTERONE

ADMINISTRATION & DOSAGE

Vinblastine, adriamycin, thiotepa, and halotestin (VATH): therapy for advanced breast cancer refractory to prior chemotherapy. Perloff M, et al. **Cancer** 42(6):2534–7, Dec 78

*FERTILITY AGENTS, FEMALE, HORMONAL See page 158

HEXESTROL

ADMINISTRATION & DOSAGE

[The effect of hexestrol on the breast in climacteric women (author's transl)] Kubista E, et al. **Wien Med Wochenschr** 129(1):16–9, 15 Jan 79 (Eng. Abstr.) **(Ger)**

[Combined drug treatment of far-advanced forms of breast cancer] Borisov AI. **Vopr Onkol** 24(12):23–7, 1978 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[The effect of hexestrol on the breast in climacteric women (author's transl)] Kubista E, et al. **Wien Med Wochenschr** 129(1):16–9, 15 Jan 79 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

[Inhibition of postpartal lactation with 2-bromo-alpha-ergocryptine] Gerstner G, et al. **Wien Med Wochenschr** 128(22):704–6, 1978 **(Ger)**

THERAPEUTIC USE

[The effect of hexestrol on the breast in climacteric women (author's transl)] Kubista E, et al. **Wien Med Wochenschr** 129(1):16–9, 15 Jan 79 (Eng. Abstr.) **(Ger)**

HYDROXYPROGESTERONES

BIOSYNTHESIS

An improved 11 alpha-hydroxylation of progesterone by Aspergillus ochraceus TS. Samanta TB, et al. **Biochem J** 176(2):593–4, 15 Nov 78

BLOOD

Effect of stress on the profile of plasma steroids in baboons (Papio hamadryas). Goncharov NP, et al. **Acta Endocrinol (Copenh)** 90(2):372–84, Feb 79

Log normal distribution of ovarian and placental steroid values in early human pregnancy. Distler W, et al. **Arch Gynecol** 226(3):217–25, 30 Nov 78

Secretion patterns of plasma-progesterone, 17-hydroxyprogesterone and 20 alpha hydroxypregn-4-en-3-one in early normal pregnancy. Harrison RF, et al. **Br J Obstet Gynaecol** 85(12):921–6, Dec 78

Secretion patterns of plasma-progesterone, 17-hydroxyprogesterone, and 20alpha hydroxypregn-4-en-3-one in early abnormal pregnancy. Harrison RF, et al. **Br J Obstet Gynaecol** 85(12):927–32, Dec 78

Peripheral and adrenal venous levels of steroids in a patient with virilizing adrenal adenoma. Granoff AB, et al. **Obstet Gynecol** 53(1):111–5, Jan 79

METABOLISM

ACTH stimulates late steps in cortisol biosynthesis. McKenna TJ, et al. **Acta Endocrinol (Copenh)** 90(1):122–32, Jan 79

PHARMACODYNAMICS

[Inhibition of rat liver delta 4–3-ketosteroid-5 alpha-reductase by steroids in vitro] Schubert K, et al. **Endokrinologie** 72(2):141–8, May 78 (Eng. Abstr.) **(Ger)**

SECRETION

Secretion patterns of plasma-progesterone, 17-hydroxyprogesterone and 20 alpha hydroxypregn-4-en-3-one in early normal pregnancy. Harrison RF, et al. **Br J Obstet Gynaecol** 85(12):921–6, Dec 78

Secretion patterns of plasma-progesterone, 17-hydroxyprogesterone, and 20alpha hydroxypregn-4-en-3-one in early abnormal pregnancy. Harrison RF, et al. **Br J Obstet Gynaecol** 85(12):927–32, Dec 78

LYNESTRENOL

PHARMACODYNAMICS

Effect of oral contraceptive on plant chromosomes [letter] Goswami HK. **Curr Sci** 47(14):515–6, 20 Jul 78

[Effect of estrogen-gestagen on calcium metabolism] Nadjafi-Triebsch C, et al. **Gynaekol Rundsch** 18 Suppl 1:162–4, 1978 **(Ger)**

MEDROXYPROGESTERONE

ADMINISTRATION & DOSAGE

Plasma medroxyprogesterone acetate levels following intramuscular or oral administration in patients with endometrial adenocarcinoma. Laatikainen T, et al. **Acta Obstet Gynecol Scand** 58(1):95–9, 1979

Surgical adjuvant hormone therapy in breast cancer. Pannuti F. **Arch Geschwulstforsch** 48(7):680–2, 1978

Depo: the debate continues. Maine D. **Fam Plann Perspect** 10(6):342–5, Nov-Dec 78

The monthly injectable contraceptive: a two-year clinical trial. Koetsawang S, et al. **Int J Gynaecol Obstet** 16(1):61–4, 1978

[Beneficial effects of contraceptive doses and large doses of medroxyprogesterone in the prevention and treatment of uterine hyperplasia] Bonte J. **Gynaekol Rundsch** 18(3–4):172–82, 1978 **(Fre)**

[Contraception using 3-monthly injections of Depo-Provera] Revaz C, et al. **Gynaekol Rundsch** 18(3–4):183–92, 1978 **(Fre)**

[Pharmacological and clinical application of progestational hormone depot preparations] Andor J. **Gynaekol Rundsch** 18(3–4):163–71, 1978 **(Ger)**

ADVERSE EFFECTS

Depo: the debate continues. Maine D. **Fam Plann Perspect** 10(6):342–5, Nov-Dec 78

The McCormick Family Planning Program in Chiang Mai, Thailand. Baldwin GB. **Stud Fam Plann** 9(12):300–13, Dec 78

[Contraception using 3-monthly injections of Depo-Provera] Revaz C, et al. **Gynaekol Rundsch** 18(3–4):183–92, 1978 **(Fre)**

[Pharmacological and clinical application of progestational hormone depot preparations] Andor J. **Gynaekol Rundsch** 18(3–4):163–71, 1978 **(Ger)**

ANALOGS & DERIVATIVES

Depo: the debate continues. Maine D. **Fam Plann Perspect** 10(6):342–5, Nov-Dec 78

Effect of different antiestrogen on glycogen breakdown of cycling rat uterus during estrous & proestrous phases. Guin AK, et al. **Indian J Biochem Biophys** 15(4):319–22, Aug 78

The McCormick Family Planning Program in Chiang Mai, Thailand. Baldwin GB. **Stud Fam Plann** 9(12):300–13, Dec 78

BLOOD

Plasma medroxyprogesterone acetate levels following intramuscular or oral administration in patients with endometrial adenocarcinoma. Laatikainen T, et al. **Acta Obstet Gynecol Scand** 58(1):95–9, 1979

PHARMACODYNAMICS

Endocrinological and physiological features after steroid treatment of male rats. Hunt DM, et al. **Arch Androl** 1(4):311–20, Sep 78

Effects of synthetic gestagens on serum prolactin and growth hormone secretion in amenorrheic patients. Bohnet HG, et al. **Arch Gynecol** 226(3):233–40, 30 Nov 78

Effect of medroxyprogesterone acetate and testosterone on solubilized RNA polymerases and chromatin template activity in kidney from normal and androgen-insensitive (Tfm/Y) mice. Lin YC, et al. **Biochemistry** 17(22):4833–8, 31 Oct 78

Effect of different antiestrogen on glycogen breakdown of cycling rat uterus during estrous & proestrous phases. Guin AK, et al. **Indian J Biochem Biophys** 15(4):319–22, Aug 78

Effects of a long-acting progestin on reproductive function in female mice. Finn CA, et al. **J Endocrinol** 79(2):235–8,

Nov 78 (Spa)

THERAPEUTIC USE

Plasma medroxyprogesterone acetate levels following intramuscular or oral administration in patients with endometrial adenocarcinoma. Laatikainen T, et al. **Acta Obstet Gynecol Scand** 58(1):95–9, 1979

Surgical adjuvant hormone therapy in breast cancer. Pannuti F. **Arch Geschwulstforsch** 48(7):680–2, 1978

Adjuvant progesterone therapy for stage I endometrial carcinoma. Malkasian GD Jr, et al. **Int J Gynaecol Obstet** 16(1):48–9, 1978

[Beneficial effects of contraceptive doses and large doses of medroxyprogesterone in the prevention and treatment of uterine hyperplasia] Bonte J. **Gynaekol Rundsch** 18(3–4):172–82, 1978 **(Fre)**

MEGESTROL

ADVERSE EFFECTS

[Oral contraceptives, hyperlipoproteinemia and ischemic heart disease] Titov VN, et al. **Ter Arkh** 50(12):22–8, 1978 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of voldys, an oral contraceptive on the electrical activity of rat brain and heart. Mukherjee C, et al. **Curr Sci** 47(17):614–6, 5 Sep 78

Treatment of feline misalliance [letter] Skerritt GC. **Vet Rec** 103(24):543, 9 Dec 78

MESTRANOL

Liver tumors and oral contraceptives: pathology and pathogenesis. Gindhart TD. **Ann Clin Lab Sci** 8(6):443–6, Nov–Dec 78

ADMINISTRATION & DOSAGE

Accumulation of norethindrone and individual metabolites in human plasma during short- and long-term administration of a contraceptive dosage. Braselton WE Jr, et al. **Am J Obstet Gynecol** 133(2):154–60, 15 Jan 79

The effects on sexual response and mood after sterilization of women taking long-term oral contraception: results of a double-blind cross-over study. Leeton J, et al. **Aust NZ J Obstet Gynaecol** 18(3):194–7, Aug 78

[Progestagen and contraceptive activity of a 16alpha-methylene derivative of progesterone] Nikitina GV. **Probl Endokrinol (Mosk)** 25(1):68–71, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Overdose of oral contraceptive causing neurologic complications] Móritz P. **Orv Hetil** 120(2):89–90, 14 Jan 79 **(Hun)**

METABOLISM

Danazol binding to rat androgen, glucocorticoid, progesterone, and estrogen receptors: correlation with biologic activity. Barbieri RL, et al. **Fertil Steril** 31(2):182–6, Feb 79

PHARMACODYNAMICS

Effects of oral contraceptives on zinc and copper levels in human plasma and endometrium during the menstrual cycle. Sing EJ, et al. **Arch Gynecol** 226(4):303–6, 29 Dec 78

The effects on sexual response and mood after sterilization of women taking long-term oral contraception: results of a double-blind cross-over study. Leeton J, et al. **Aust NZ J Obstet Gynaecol** 18(3):194–7, Aug 78

Sex steroids and thyroid function tests: the role of estrogen and progestogen. Miyamoto J. **Int J Gynaecol Obstet** 16(1):28–33, 1978

The effect of ovarian sex steroids on bone mineral status in the oöphorectomized rat and in the human. Lindsay R, et al. **Postgrad Med J** 54(2):50–8, 1978

[Changes in liver mitochondria in rat after treatment with oral contraceptives] Brignone JA, et al. **Medicina (B Aires)** 38(4):413–21, Jul–Aug 78 (Eng. Abstr.)

METHANDROSTENOLONE

ADVERSE EFFECTS

Study of the activity of antithrombin-III in latent cholestasis. (A clinico-pharmacological study of the relationship between antithrombin-III activity and steroid cholestasis). Horváth T, et al. **Acta Med Acad Sci Hung** 35(2):105–13, 1978

METHENOLONE

ADVERSE EFFECTS

Treatment of refractory anemias with methenolone. Lockner D. **Acta Med Scand** 205(1–2):97–101, 1979

THERAPEUTIC USE

Treatment of refractory anemias with methenolone. Lockner D. **Acta Med Scand** 205(1–2):97–101, 1979

METHYLTESTOSTERONE

ADVERSE EFFECTS

An androgen-associated hepatic adenoma in a trans-sexual. Coombes GB, et al. **Br J Surg** 65(12):869–70, Dec 78

ANALOGS & DERIVATIVES

Comparative trial of low-dose adriamycin plus cyclophosphamide with or without additive hormonal therapy in advanced breast cancer. Lloyd RE, et al. **Cancer** 43(1):60–5, Jan 79

CHEMICAL SYNTHESIS

Testosterone and 17-methyltestosterone from hyodeoxycholic acid. Bharucha KR. **Steroids** 32(5):589–606, Dec 78

METABOLISM

Danazol binding to rat androgen, glucocorticoid, progesterone, and estrogen receptors: correlation with biologic activity. Barbieri RL, et al. **Fertil Steril** 31(2):182–6, Feb 79

NANDROLONE

Binding of steroids to P. testosteroni delta5-3-ketosteroid isomerase: measurement of the number of binding sites by equilibrium dialysis. Ogez J, et al. **Biochem Biophys Res Commun** 85(3):1082–9, 14 Dec 78

ANALOGS & DERIVATIVES

Effect of intravenous calcium load on the serum calcium level in postmenopausal osteoporosis (a study of the pathogenesis, and diagnostic use of the test). Holló I, et al. **Acta Med Acad Sci Hung** 35(1):53–9, 1978

METABOLISM

Binding specificity of estrogens and norandrogens to rat alpha-fetoprotein (AFP). Versée V, et al. **FEBS Lett** 96(1):155–8, 1 Dec 78

PHARMACODYNAMICS

Effect of intravenous calcium load on the serum calcium level in postmenopausal osteoporosis (a study of the pathogenesis, and diagnostic use of the test). Holló I, et al. **Acta Med Acad Sci Hung** 35(1):53–9, 1978

Effects of an anabolic steroid and vitamin B complex upon myopathy induced by corticosteroids. Sakai Y, et al. **Eur J Pharmacol** 52(3–4):353–9, 1 Dec 78

[Effect of diet of varying protein content and of superanabolone on the sensitivity of the liver against CCL4 (proceedings)] Smejkalová J, et al.

Cesk Gastroenterol Vyz 32(8):527, Dec 78 (Cze)

THERAPEUTIC USE

Androgen trial in renal anaemia. Naik RB, et al. **Proc Eur Dial Transplant Assoc** 15:136–43, 1978

[Results of Nandrolone therapy (Keratyl) in lesions and diseases of the cornea (author's transl)] Schrameyer B, et al. **Klin Monatsbl Augenheilkd** 173(6):864–71, Dec 78 (Eng. Abstr.) (Ger)

NORETHINDRONE

ADMINISTRATION & DOSAGE

Accumulation of norethindrone and individual metabolites in human plasma during short- and long-term administration of a contraceptive dosage. Braselton WE Jr, et al. **Am J Obstet Gynecol** 133(2):154–60, 15 Jan 79

[Pharmacological and clinical application of progestational hormone depot preparations] Andor J. **Gynaekol Rundsch** 18(3–4):163–71, 1978 (Ger)

ADVERSE EFFECTS

Norethisterone oenanthate as an injectable contraceptive: a study of patients discontinuing treatment. Giwa-Osagie OF, et al. **Contraception** 18(5):517–26, Nov 78

Oral contraceptive therapy and systemic lupus erythematosus. Travers RL, et al. **J Rheumatol** 5(4):448–51, Winter 78

[Pharmacological and clinical application of progestational hormone depot preparations] Andor J. **Gynaekol Rundsch** 18(3–4):163–71, 1978 (Ger)

BLOOD

Accumulation of norethindrone and individual metabolites in human plasma during short- and long-term administration of a contraceptive dosage. Braselton WE Jr, et al. **Am J Obstet Gynecol** 133(2):154–60, 15 Jan 79

METABOLISM

Accumulation of norethindrone and individual metabolites in human plasma during short- and long-term administration of a contraceptive dosage. Braselton WE Jr, et al. **Am J Obstet Gynecol** 133(2):154–60, 15 Jan 79

Interaction of progestins with steroid receptors in human uterus. Kasid A, et al. **Biochem J** 176(2):531–9, 15 Nov 78

PHARMACODYNAMICS

Effects of synthetic gestagens on serum prolactin and growth hormone secretion in amenorrheic patients. Bohnet HG, et al. **Arch Gynecol** 226(3):233–40, 30 Nov 78

Effects of a combined oestrogen-progestin preparation on gastric acid and pepsin secretion, serum gastrin concentration and biliary secretion of bile acids, phospholipids, and cholesterol in the cat. Hirst BH, et al. **Br J Pharmacol** 65(1):87–95, Jan 79

Inhibition of hepatic drug metabolism by norethindrone. Field B, et al. **Clin Pharmacol Ther** 25(2):196–8, Feb 79

Occurrence of ovulation in women receiving the injectable contraceptive norethisterone oenanthate. Fotherby K, et al. **Contraception** 18(5):535–42, Nov 78

Norethisterone oenanthate as an injectable contraceptive: a study of patients discontinuing treatment. Giwa-Osagie OF, et al. **Contraception** 18(5):517–26, Nov 78

Hepatotoxicity studies with primary cultures of rat liver cells. Anuforo DC, et al. **In Vitro** 14(12):981–8, Dec 78

Effect of different antiestrogen on glycogen breakdown of cycling rat uterus during estrous & proestrous phases. Guin AK, et al. **Indian J Biochem Biophys** 15(4):319–22, Aug 78

Sex steroids and thyroid function tests: the role of estrogen and progestogen. Miyamoto J. **Int J Gynaecol Obstet** 16(1):28–33, 1978

New frontiers of contraception. Mishell DR Jr. **J Reprod Med** 21(5 Suppl):254–6, Nov 78

Local progestational and antiprogestational effects of steroids and their metabolites on the rabbit uterus. Tamaya T, et al. **Nippon Funin Gakkai Zasshi** 24(1):48–51, Jan 79

Biochemical studies on endometrium from postmenopausal women receiving hormone replacement therapy. King RJ, et al. **Postgrad Med J** 54(2):65–8, 1978

Effects of progestogens on serum lipids in the post-menopause. Maddock J. **Postgrad Med J** 54(2):38–41, 1978

[The influence of hormonal contraceptives in the spectrum of free plasma amino acids] Klinger G, et al. **Dtsch Gesundheitsw** 33(50):2373–7, 1978 (Ger)

[Changes in liver mitochondria in rat after treatment with oral contraceptives] Brignone JA, et al. **Medicina (B Aires)** 38(4):413–21, Jul-Aug 78 (Eng. Abstr.) (Spa)

NORETHYNODREL

PHARMACODYNAMICS

Effects of oral contraceptives on zinc and copper levels in human plasma and endometrium during the menstrual cycle. Sing EJ, et al. **Arch Gynecol** 226(4):303–6, 29 Dec 78

NORGESTREL

ADVERSE EFFECTS

[Spontaneous rupture of a liver adenoma following many years' ingestion of an oral contraceptive (author's transl)] Pollak H. **MMW** 121(3):93–4, 19 Jan 79 (Eng. Abstr.) (Ger)

[Enteromesenteric infarct caused by contraceptives] Cravo MA, et al. **AMB** 21(5):138–40, May 75 (Eng. Abstr.) (Por)

PHARMACODYNAMICS

Effects of synthetic gestagens on serum prolactin and growth hormone secretion in amenorrheic patients. Bohnet HG, et al. **Arch Gynecol** 226(3):233–40, 30 Nov 78

Comparison of spontaneous and contraceptive menstrual cycles on a visual discrimination task. Friedman J, et al. **Aust NZ J Psychiatry** 12(4):233–9, Dec 78

Effect of cyproterone acetate, d-norgestrel and progesterone on the canine mammary gland. El Etreby MF, et al. **Cell Tissue Res** 194(2):245–67, 20 Nov 78

Hormonal content of plasma and endometrium of women taking oral contraceptives. Porias H, et al. **Obstet Gynecol** 52(6):703–7, Dec 78

The effect of oestradiol valerate and cyclic oestradiol valerate/DL-norgestrel on calcium metabolism. Crilly RG, et al. **Postgrad Med J** 54(2):47–9, 1978

Experimental and clinical data indicating the psychotropic properties of progestogens. Herrmann WM, et al. **Postgrad Med J** 54(2):82–7, 1978 (33 ref.)

The effects of Premarin and norgestrel on plasma FSH, LH and androstenedione in post-menopausal women. Sexton L, et al. **Postgrad Med J** 54(2):42–6, 1978

[The influence of hormonal contraceptives in the spectrum of free plasma amino acids] Klinger G, et al. **Dtsch Gesundheitsw** 33(50):2373–7, 1978 (Ger)

PREGNANEDIOL

ANALYSIS

[Ovarian corpus luteum insufficiency (clinical, endocrinologic, histopathologic and therapeutic study)] Germano FP, et al. **Obstet Ginecol Lat Am** 36(3–4):72–102, Mar-Apr 78 (Eng. Abstr.) (Spa)

URINE

The concentrations of urinary oestrone-3-glucuronide, LH and pregnanediol-3alpha-glucuronide as indices of ovarian function. Collins WP, et al. **Acta Endocrinol (Copenh)** 90(2):336–48, Feb 79

Comparison of spontaneous and contraceptive menstrual cycles on a visual discrimination task. Friedman J, et al. **Aust NZ J Psychiatry** 12(4):233–9, Dec 78

Effect of CuT-200 on urinary steroid hormone patterns in women. Allag IS, et al. **Indian J Med Res** 68:614–9, Oct 78

Comparison of urinary pregnanediol and estriol excretion as indexes of placental function. Fliegner JR. **Obstet Gynecol** 53(1):93–8, Jan 79

[Excretion of estrogens and pregnanediol by pregnant women with cervical insufficiency] Krauze M. **Wiad Lek** 31(22):1587–91, 15 Nov 78 (Eng. Abstr.) (Pol)

PREGNANES

Testosterone and 17-methyltestosterone from hyodeoxycholic acid. Bharucha KR. **Steroids** 32(5):589-606, Dec 78

URINE

Steroid excretion in anorexia nervosa patients. Vanluchene E, et al. **Acta Endocrinol (Copenh)** 90(1):133-8, Jan 79

PREGNENES

[Histochemical and enzymatic changes in chronic hepatitis] Choppin J, et al. **Cell Mol Biol** 23(3):241-7, 1978 (Eng. Abstr.) **(Fre)**

PREGNENOLONE

BIOSYNTHESIS

Effect of cytosol fractions from lutropin-stimulated rat testes on pregnenolone production by mitochondria from normal rat testes. Bakker CP, et al. **Biochim Biophys Acta** 543(2):235-42, 3 Oct 78

Pregnenolone biosynthesis in isolated cells of Snell rat adrenocortical carcinoma 494. Mason JI, et al. **Mol Cell Endocrinol** 12(3):299-308, Dec 78

On the role of protein synthesis in the response of adrenal tumor cells to ACTH. Nakamura M, et al. **Mol Cell Endocrinol** 12(2):209-19, Nov 78

[N-terminal amino acid sequence of 20S, 22R-cholesterol hydroxylating cytochrome P-450 from bovine adrenal cortex mitochondria] Akhrem AA, et al. **Dokl Akad Nauk SSSR** 243(2):505-7, 1978 **(Rus)**

BLOOD

Effect of stress on the profile of plasma steroids in baboons (Papio hamadryas). Goncharov NP, et al. **Acta Endocrinol (Copenh)** 90(2):372-84, Feb 79

METABOLISM

In vitro C-20, 22 desmolase regulation of pregnenolone supply in first trimester human placenta. Gunasegaram R, et al. **Acta Endocrinol (Copenh)** 90(1):185-92, Jan 79

ACTH stimulates late steps in cortisol biosynthesis. McKenna TJ, et al. **Acta Endocrinol (Copenh)** 90(1):122-32, Jan 79

Regulation of progesterone from pregnenolone biosynthesis by phosphopyridine nucleotides in the human placental mitochondrial fraction. Bogusławski W, et al. **Biochem Med** 20(2):144-52, Oct 78

Aspects of the ultrastructure and function of the human fetal adrenal cortex. Johannisson E. **Contrib Gynecol Obstet** 5:109-30, 1979 (74 ref.)

PHYSIOLOGY

Cyclic changes in antral fluid hormone concentrations in humans. McNatty KP. **Clin Endocrinol Metab** 7(3):577-600, Nov 78

PROGESTATIONAL HORMONES

ADVERSE EFFECTS

Hormone administration during pregnancy and its effect on the offspring. Browne JC. **Contrib Gynecol Obstet** 5 1979 (31 ref.)

BLOOD

Effect of stress on the profile of plasma steroids in baboons (Papio hamadryas). Goncharov NP, et al. **Acta Endocrinol (Copenh)** 90(2):372-84, Feb 79

METABOLISM

Estrogen and progestin binding in cytosols of ovarian adenocarcinomas. Holt JA, et al. **Obstet Gynecol** 53(1):50-8, Jan 79

[Effect of increased pressure on the state of the hypophyseal-adrenal and gonadal systems (experimental data)] Kirillov VF, et al. **Gig Tr Prof Zabol** (1):39-41, 1979 **(Rus)**

PHARMACODYNAMICS

Uterine and lung uteroglobins in the rabbit. Two similar proteins with differential hormonal regulation. Torkkeli T, et al. **Biochim Biophys Acta** 544(3):578-92, 18 Dec 78

Effect of sex steroid hormones on the serum prolactin concentration. Yoshida T, et al. **Tohoku J Exp Med** 127(2):119-22, Feb 79

[Possibilities of testing sex steroid effects in the uropoietic system] Voigt R, et al. **Z Urol Nephrol** 71(10):685-7, Oct 78 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Progestogen modification of endometrial histology in menopausal women [letter] Whitehead MI, et al. **Br Med J** 2(6152):1643-4, 9 Dec 78

The role of progestogens in peri- and post-menopausal hormone replacement therapy. **Postgrad Med J** 54(2):1-100, 1978

Review of the status of oestrogen replacement therapy. Bye PG. **Postgrad Med J** 54(2):7-10, 1978 (19 ref.)

Future reserch--potentially rewarding areas for investigation. Wiseman RA. **Postgrad Med J** 54(2):95-9, 1978

Estrogen and alternative therapy of the menopausal patient. Lichten EM. **Primary Care** 5(4):607-14, Dec 78

[Palliative treatment of metastasized hypernephroma] Klippel KF, et al. **Dtsch Med Wochenschr** 104(1):28-31, 5 Jan 79 **(Ger)**

PROGESTATIONAL HORMONES, SYNTHETIC

[Progestagen and contraceptive activity of a 16alpha-methylene derivative of progesterone] Nikitina GV. **Probl Endokrinol (Mosk)** 25(1):68-71, Jan-Feb 79 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

The practical application of oestrogen-progestogen regimens for pre- and post-menopausal women. Maddison J. **Postgrad Med J** 54(2):91, 1978

[Fundamentals of progesterone therapy of endometrial carcinoma] **Minerva Med** 69(58):3986-91, 30 Nov 78 **(Ita)**

ADVERSE EFFECTS

[The pill and endocrine diseases] Werner-Zodrow I, et al. **Gynaekol Rundsch** 18(3-4):246-52, 1978 **(Ger)**

[Fundamentals of progesterone therapy of endometrial carcinoma] **Minerva Med** 69(58):3986-91, 30 Nov 78 **(Ita)**

PHARMACODYNAMICS

Uterine and lung uteroglobins in the rabbit. Two similar proteins with differential hormonal regulation. Torkkeli T, et al. **Biochim Biophys Acta** 544(3):578-92, 18 Dec 78

Continuous low-dose progestagen oral contraceptives. **Drug Ther Bull** 17(1):4, 5 Jan 79

Sex steroids and thyroid function tests: the role of estrogen and progestogen. Miyamoto J. **Int J Gynaecol Obstet** 16(1):28-33, 1978

Coagulation factors in opposed and unopposed oestrogen treatment at the climacteric. Aylward M. **Postgrad Med J** 54(2):31-7, 1978

Experimental and clinical data indicating the psychotropic properties of progestogens. Herrmann WM, et al. **Postgrad Med J** 54(2):82-7, 1978 (33 ref.)

The effect of ovarian sex steroids on bone mineral status in the oöphorectomized rat and in the human. Lindsay R, et al. **Postgrad Med J** 54(2):50-8, 1978

The physiological action of progesterone and the pharmacological effects of progestogens--a short review. Neumann F. **Postgrad Med J** 54(2):11-24, 1978 (28 ref.)

THERAPEUTIC USE

Secretion patterns of plasma-progesterone, 17-hydroxyprogesterone, and 20alpha hydroxypregn-4-en-3-one in early abnormal pregnancy. Harrison RF, et al. **Br J Obstet Gynaecol** 85(12):927-32, Dec 78

Progestogen modification of endometrial histology in menopausal women [letter] Whitehead MI, et al. **Br Med J** 2(6152):1643–4, 9 Dec 78

Endolymphatic stromal myosis: unique presentation and ultrastructural study. Mazur MT, et al. **Cancer** 42(6):2661–7, Dec 78

Programmed instruction: cancer care. Cancer chemotherapy: steroid hormones. Pilapil F, et al. **Cancer Nurs** 1(6):473–82, Dec 78

Endometrial factors under treatment with oestrogen and oestrogen/progestogen combinations. Aylward M, et al. **Postgrad Med J** 54(2):74–81, 1978

The modifying effect of progestogen on the response of the post-menopausal endometrium to exogenous oestrogens. Campbell S, et al. **Postgrad Med J** 54(2):59–64, 1978

The practical application of oestrogen–progestogen regimens for pre- and post-menopausal women. Maddison J. **Postgrad Med J** 54(2):91, 1978

Clinical considerations in the management of the menopause: the endometrium. Whitehead MI, et al. **Postgrad Med J** 54(2):69–73, 1978

[Fundamentals of progesterone therapy of endometrial carcinoma] **Minerva Med** 69(58):3986–91, 30 Nov 78 **(Ita)**

PROGESTERONE

Binding of steroids to P. testosteroni delta5–3–ketosteroid isomerase: measurement of the number of binding sites by equilibrium dialysis. Ogez J, et al. **Biochem Biophys Res Commun** 85(3):1082–9, 14 Dec 78

Experience with two different medicated intrauterine devices: a comparative study of the Progestasert and Nova–T. Fylling P, et al. **Fertil Steril** 31(2):138–41, Feb 79

ADMINISTRATION & DOSAGE

Positive feedback of gonadotropins in males. Lee PA. **Andrologia** 10(6):485–9, Nov–Dec 78

Electron microscopic study of the response of the adrenocortical X–zone in mice treated with sex steroids. Tomooka Y, et al. **Cell Tissue Res** 194(2):269–77, 20 Nov 78

Effect of neonatal administration of sex steroids on 7,12–dimethylbenz[a]anthracene–induced mammary carcinoma and dysplasia in female Sprague–Dawley rats. Yoshida H, et al. **Gan** 69(5):627–31, Oct 78

Ovulation induction in amenorrheic women. March CM, et al. **Obstet Gynecol** 53(1):8–11, Jan 79

[The effect of local progesterone on benign breast diseases. 500 case studies] Lafaye C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(6):1123–39, Sep 78 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

[Effect of salt consumption, psychological stress and contraceptives on the course of blood pressure in rats with hereditary spontaneous hypertension (SH rats)] Samizadeh A, et al. **Verh Dtsch Ges Inn Med** (84):803–6, 1978 **(Ger)**

[Changes in the endometrium from the use of hormonal preparations and hormonal contraceptives] Jellinek G. **Arkh Patol** 40(11):36–45, 1978 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Secretion patterns of plasma–progesterone, 17–hydroxyprogesterone and 20 alpha hydroxypregn–4–en–3–one in early normal pregnancy. Harrison RF, et al. **Br J Obstet Gynaecol** 85(12):921–6, Dec 78

Secretion patterns of plasma–progesterone, 17–hydroxyprogesterone, and 20alpha hydroxypregn–4–en–3–one in early abnormal pregnancy. Harrison RF, et al. **Br J Obstet Gynaecol** 85(12):927–32, Dec 78

ANALYSIS

Collagenolytic activity and steroid levels after administration of dehydroepiandrosterone sulfate. Mochizuki M, et al. **Int J Gynaecol Obstet** 16(3):248–53, 1978–79

[Immuno–enzymatic estimation of steroids (author's transl)] Gros C, et al. **Ann Biol Clin (Paris)** 36(4):393–6, 1978 (Eng. Abstr.) **(Fre)**

[Milkprogesterone determination to assess the state of fertility in dairy herds during the post–partum period (author's transl)] Elsaesser F, et al. **DTW** 86(2):53–4, 5 Feb 79 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

Effects of antiprogesterone on pregnancy. I. Midpregnancy. Csapo AI, et al. **Am J Obstet Gynecol** 133(2):176–83, 15 Jan 79

Interaction of progestins with steroid receptors in human uterus. Kasid A, et al. **Biochem J** 176(2):531–9, 15 Nov 78

Progesterone–induced meiosis in Xenopus laevis oocytes: a role for cAMP at the 'maturation–promoting factor' level. Schorderet–Slatkine S, et al. **Cell** 15(4):1269–75, Dec 78

Local progestational and antiprogestational effects of steroids and their metabolites on the rabbit uterus. Tamaya T, et al. **Nippon Funin Gakkai Zasshi** 24(1):48–51, Jan 79

BIOSYNTHESIS

A combined biochemical and histochemical study on steroid metabolism in mouse ovary and ovarian tumours. Snoeijing R, et al. **Acta Histochem [Suppl] (Jena)** 14:119–28, 1975

Lack of specific prostaglandin antagonistic effects of 7–oxa–13–prostynoic acid on ovarian metabolism in vitro. Magnusson C, et al. **Acta Physiol Scand** 105(2):239–47, Feb 79

Prostaglandin production by rhesus monkey corpora lutea in vitro. Balmaceda J, et al. **Fertil Steril** 31(2):214–6, Feb 79

Are microtubules involved in luteolysis? [proceedings] Hall AK, et al. **J Endocrinol** 79(2):42P–43P, Nov 78

Glucocorticoid inhibition of FSH–induced estrogen production in cultured rat granulosa cells. Hsueh AJ, et al. **Steroids** 32(5):639–48, Dec 78

BLOOD

Investigations of hormones during early abortion induced by prostaglandin F2alpha and 15(S)–methyl–PGF2alpha. Seifert B, et al. **Acta Biol Med Ger** 37(5–6):955–7, 1976

The general pharmacology of prostacyclin PGI2, (PGX): a new prostaglandin especially active on the cardivascular system. Weeks JR. **Acta Biol Med Ger** 37(5–6):707–14, 1976

Enhanced testosterone in female patients with anorexia nervosa: its normalization after weight gain. Baranowska B, et al. **Acta Endocrinol (Copenh)** 90(2):328–35, Feb 79

Effect of stress on the profile of plasma steroids in baboons (Papio hamadryas). Goncharov NP, et al. **Acta Endocrinol (Copenh)** 90(2):372–84, Feb 79

Effects of antiprogesterone on pregnancy. I. Midpregnancy. Csapo AI, et al. **Am J Obstet Gynecol** 133(2):176–83, 15 Jan 79

Log normal distribution of ovarian and placental steroid values in early human pregnancy. Distler W, et al. **Arch Gynecol** 226(3):217–25, 30 Nov 78

Serum prolactin and gonadotrophin levels before and after luteinizing hormone–releasing hormone in the investigation of amenorrhoea. Bergh T, et al. **Br J Obstet Gynaecol** 85(12):945–56, Dec 78

Secretion patterns of plasma–progesterone, 17–hydroxyprogesterone and 20 alpha hydroxypregn–4–en–3–one in early normal pregnancy. Harrison RF, et al. **Br J Obstet Gynaecol** 85(12):921–6, Dec 78

Secretion patterns of plasma–progesterone, 17–hydroxyprogesterone, and 20alpha hydroxypregn–4–en–3–one in early abnormal pregnancy. Harrison RF, et al. **Br J Obstet Gynaecol** 85(12):927–32, Dec 78

Reproductive hormone function: the perimenopausal period and beyond. Korenman SG, et al. **Clin Endocrinol Metab** 7(3):625–43, Nov 78 (82 ref.)

Neuroendocrinology of the menstrual cycle in humans. Shaw RW. **Clin Endocrinol Metab** 7(3):531–59, Nov 78

Gonadotrophins and steroid hormones in the blood and urine of prepubertal girls and other primates. Winter JS, et al. **Clin Endocrinol Metab** 7(3):513–30, Nov 78 (74 ref.)

In vivo evaluation of cholesterol as a matrix for the controlled–release of progesterone. Beck LR, et al. **Contraception** 18(5):497–505, Nov 78

Occurrence of ovulation in women receiving the injectable contraceptive norethisterone oenanthate. Fotherby K, et al. **Contraception** 18(5):535–42, Nov 78

Correlation among foetal number, corpora lutea and plasma progesterone in Rockland–Swiss mice. Simon NG, et al. **Endokrinologie** 72(2):247–9, May 78

Plasma oestradiol and progesterone levels in women with varying degrees of risk of breast cancer. Bulbrook RD, et al. **Eur J Cancer** 14(12):1369–75, Dec 78

Endocrine status in normal British, Japanese and Hawaiian–Japanese women. Hayward JL, et al. **Eur J Cancer** 14(11):1221–8, Nov 78

Influence of pinealectomy on serum estrogen and progesterone levels in blind–anosmic female rats. Vaughan GM, et al.

Experientia 34(10):1378–9, 15 Oct 78

Effect of epimestrol on gonadotropin and prolactin plasma levels and response to luteinizing hormone-releasing hormone/thyrotropin-releasing hormone in secondary amenorrhea and oligomenorrhea. Genazzani AR, et al. **Fertil Steril** 30(6):654–60, Dec 78

The relationship between long-distance running, plasma progesterone, and luteal phase length. Shangold M, et al. **Fertil Steril** 31(2):130–3, Feb 79

Vaginal progesterone for contraception. Victor A, et al. **Fertil Steril** 30(6):631–5, Dec 78

Monitoring of ovulation induction. Wu CH. **Fertil Steril** 30(6):617–30, Dec 78

Collagenolytic activity and steroid levels after administration of dehydroepiandrosterone sulfate. Mochizuki M, et al. **Int J Gynaecol Obstet** 16(3):248–53, 1978–79

Stimulation of estrogen and luteinizing hormone secretion in postpartum beef cows. Echternkamp SE. **J Anim Sci** 47(2):521–31, Aug 78

Early changes in serum progesterone, estradiol and LH during prostaglandin F2alpha-induced luteolysis in mares. Noden PA, et al. **J Anim Sci** 47(3):666–71, Sep 78

Luteolysis, growth hormone, glucocorticoids, prolactin and milk production in lactating dairy cows given prostaglandin F2alpha. Renegar RH, et al. **J Anim Sci** 47(2):532–7, Aug 78

Menstrual cycle influences on operant behavior of female rhesus monkeys. Bonsall RW, et al. **J Comp Physiol Psychol** 92(5):846–55, Oct 78

Secretion of progesterone during gestation in the rat. Sanyal MK. **J Endocrinol** 79(2):179–90, Nov 78

Steroidal control of the release of the preovulatory surge of luteinizing hormone in the rat. Wilson CA, et al. **J Endocrinol** 79(2):223–34, Nov 78

A charcoal--agar disc to adsorb free steroid in radioimmunoassay. Boarer CD, et al. **Med Lab Sci** 35(4):379–86, Oct 78

Influence of epiphysectomy on the circadian rhythm of the glucocorticoid, androgenic, estrogenic, and gestagenic function of the endocrine glands. Golikov PP, et al. **Neurosci Behav Physiol** 8(4):281–4, Oct–Dec 77

Peripheral and ovarian venous concentrations of various steroid hormones in virilizing ovarian tumors. Meldrum DR, et al. **Obstet Gynecol** 53(1):36–43, Jan 79

Hormonal content of plasma and endometrium of women taking oral contraceptives. Porias H, et al. **Obstet Gynecol** 52(6):703–7, Dec 78

Pituitary and ovarian function in women with congenitally absent uterus. Ylikorkala O, et al. **Obstet Gynecol** 53(1):137–9, Jan 79

Sex hormone changes underlying menstrual disturbances on haemodialysis. Wass VJ, et al. **Proc Eur Dial Transplant Assoc** 15:178–86, 1978

Parturition in rodents. Nathanielsz PW. **Semin Perinatol** 2(3):223–34, Jul 78 (86 ref.)

[Estrogenic stimulation of the follicular phase of the human menstrual cycle: neuro endocrinian investigation (author's transl)] Gautray JP, et al. **Rev Fr Gynecol Obstet** 73(12):789–94, Dec 78 **(Fre)**

[Hormonal status of women after hysterectomy compared with controls (author's transl)] Kaiser R, et al. **Arch Gynecol** 226(4):363–8, 29 Dec 78 (Eng. Abstr.)**(Ger)**

[Radioimmunological studies on the course of progesterone level in the blood of pregnant rabbits with reference to season and litter size] Enbergs H. **Berl Muench Tieraerztl Wochenschr** 92(2):32–4, 15 Jan 79 (Eng. Abstr.) **(Ger)**

[The Progestasert system] Mall-Haefeli M. **Gynaekol Rundsch** 18(3–4):253–62, 1978 **(Ger)**

[Diagnosis of placental sulphatase deficiency (author's transl)] Bailer P, et al. **Z Geburtshilfe Perinatol** 182(5):384–8, Oct 78 (Eng. Abstr.) **(Ger)**

[Control of the luteolytic effect of a new prostaglandin F2 alpha-analogue during the treatment of anestrous and dyscyclic mares under continual measurement of the progesterone level in the blood plasma (author's transl)] Enbergs H, et al. **Zuchthygiene** 13(4):152–60, Dec 78 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Diagnostic evaluation of progesterone. Challenge test in amenorrheic patients. Nakano R, et al. **Acta Obstet Gynecol Scand** 58(1):59–64, 1979

ISOLATION & PURIFICATION

Preparation and purification of estriol, estradiol, and progesterone labeled with radioactive iodine. Varvarigou A, et al. **Eur J Nucl Med** 3(3):191–5, 1 Jul 78

A charcoal--agar disc to adsorb free steroid in radioimmunoassay. Boarer CD, et al. **Med Lab Sci** 35(4):379–86, Oct 78

METABOLISM

The specificity of the human uterine receptor. Fanchenko ND, et al. **Acta Endocrinol (Copenh)** 90(1):167–75, Jan 79

ACTH stimulates late steps in cortisol biosynthesis. McKenna TJ, et al. **Acta Endocrinol (Copenh)** 90(1):122–32, Jan 79

Effects of antiprogesterone on pregnancy. I. Midp.egnancy. Csapo AI, et al. **Am J Obstet Gynecol** 133(2):176–83, 15 Jan 79

Sex hormone binding globulin and transcortin in human and baboon males. Karr JP, et al. **Arch Androl** 1(2):123–9, 1978

An improved 11 alpha-hydroxylation of progesterone by Aspergillus ochraceus TS. Samanta TB, et al. **Biochem J** 176(2):593–4, 15 Nov 78

Regulation of progesterone from pregnenolone biosynthesis by phosphopyridine nucleotides in the human placental mitochondrial fraction. Bogusławski W, et al. **Biochem Med** 20(2):144–52, Oct 78

Aspects of the ultrastructure and function of the human fetal adrenal cortex. Johannisson E. **Contrib Gynecol Obstet** 5:109–30, 1979 (74 ref.)

Effects of immunization with the beta-subunit of ovine luteinizing hormone on corpus luteum function in the rhesus monkey. Thau RB, et al. **Fertil Steril** 31(2):200–4, Feb 79

Seasonal variation in adrenal 11beta-hydroxysteroid dehydrogenase activity in the meadow vole (Microtus pennsylvanicus). Ungar F, et al. **Gen Comp Endocrinol** 36(1):111–8, Sep 78

Sexual differentiation of the brain. Gorski RA. **Hosp Pract** 13(10):55–62, Oct 78

Local progestational and antiprogestational effects of steroids and their metabolites on the rabbit uterus. Tamaya T, et al. **Nippon Funin Gakkai Zasshi** 24(1):48–51, Jan 79

Hormonal content of plasma and endometrium of women taking oral contraceptives. Porias H, et al. **Obstet Gynecol** 52(6):703–7, Dec 78

Conversion of progesterone to testosterone in the rat Leydig cell. Gnodde HP, et al. **Proc Soc Exp Biol Med** 160(1):130–3, Jan 79

Parturition in rodents. Nathanielsz PW. **Semin Perinatol** 2(3):223–34, Jul 78 (86 ref.)

The in vivo metabolites of [14C] progesterone in bovine muscle and adipose tissue. Lin MT, et al. **Steroids** 32(5):547–61, Dec 78

[Bioconversion of steroids in mutants of Nocardia restrictus] Miclo A, et al. **C R Soc Biol (Paris)** 172(3):534–41, 1978 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Progesterone and 20alpha-hydroxysteroid-dehydrogenase regulation in the corpus luteum of the pregnant rat. Loewit K, et al. **Acta Endocrinol (Copenh)** 90(1):176–84, Jan 79

Development of the IgA system in the mammary gland. Lamm ME, et al. **Adv Exp Med Biol** 107:35–42, 1978

Regulation by sex hormones of immunoglobulins in rat uterine and vaginal secretions. Wira CR, et al. **Adv Exp Med Biol** 107:531–9, 1978

Positive feedback of gonadotropins in males. Lee PA. **Andrologia** 10(6):485–9, Nov–Dec 78

Species differences in contractility of seminiferous tubules and tunica albuginea as related to sperm transport through the testis. Ellis LC, et al. **Arch Androl** 1(2):139–46, 1978

Effects of gonadal hormones on pacing of sexual contacts by female rats. Gilman DP, et al. **Behav Biol** 24(1):77–87, Sep 78

The cumulative effect of halothane and steroids on mitochondrial respiration. Woźniak M. **Biochem Pharmacol** 27(24):2959–61, 1978

Effect of progesterone, estrogen withdrawal and secondary estrogen treatment of mannosylphosphoryldolichol synthesis in chick oviduct membranes. Lucas JJ. **Biochim Biophys Acta** 572(1):153–9, 29 Jan 79

Cyclic AMP synthesis in Xenopus laevis oocytes: inhibition by progesterone. Mulner O, et al. **Biochim Biophys Acta** 582(1):179–84, 4 Jan 79

Glucocorticoid modulation of prolactin receptors on mammary cells of lactating mice. Sakai S, et al. **Biochim Biophys Acta** 582(1):79–88, 4 Jan 79

Progesterone-induced meiosis in Xenopus laevis oocytes: a role for cAMP at the 'maturation-promoting factor' level. Schorderet-Slatkine S, et al. **Cell** 15(4):1269–75, Dec 78

Effect of cyproterone acetate, d-norgestrel and progesterone on the canine mammary gland. El Etreby MF, et al. **Cell Tissue Res** 194(2):245–67, 20 Nov 78

Electron microscopic study of the response of the

adrenocortical X-zone in mice treated with sex steroids. Tomooka Y, et al. **Cell Tissue Res** 194(2):269–77, 20 Nov 78

Neuroendocrinology of the menstrual cycle in humans. Shaw RW. **Clin Endocrinol Metab** 7(3):531–59, Nov 78

In vivo evaluation of cholesterol as a matrix for the controlled-release of progesterone. Beck LR, et al. **Contraception** 18(5):497–505, Nov 78

Effects of sex steroids and antihormones on growth, adhesiveness and receptors of L-929 cells cultured in serum-containing and serum-free media. Jung-Testas I, et al. **Exp Cell Res** 119(1):75–85, 1 Mar 79

Vaginal progesterone for contraception. Victor A, et al. **Fertil Steril** 30(6):631–5, Dec 78

Early effect of progesterone on levels of cyclic adenosine 3':5'-monophosphate in Xenopus oocytes. Maller JL, et al. **J Biol Chem** 254(3):579–82, 10 Feb 79

Progesterone-induced secretory protein. NH2-Terminal sequence of pre-uteroglobin. Malsky ML, et al. **J Biol Chem** 254(5):1580–5, 10 Mar 79

Elevation of HeLa cell 3-hydroxy-3-methylglutaryl coenzyme A reductase activity by glucocorticoids: possible relationship to the cell cycle. Cavenee WK, et al. **J Cell Physiol** 98(1):199–211, Jan 79

Mesencephalic participation in the control of sexual behavior in the female rat. Carrer HF. **J Comp Physiol Psychol** 92(5):877–87, Oct 78

Steroidal control of the release of the preovulatory surge of luteinizing hormone in the rat. Wilson CA, et al. **J Endocrinol** 79(2):223–34, Nov 78

Epithelial changes in the oral mucosa resulting from a variation in hormone stimulus. Croley TE, et al. **J Oral Med** 33(3):86–9, Jul-Sep 78

The interaction of steroidal hormones with mucus glycoproteins [proceedings] Martin GP, et al. **J Pharm Pharmacol** 30 Suppl:10P, Dec 78

The effects of sex steroids on blood pressure in SHR and normotensive Wistar rats. Nakayama M, et al. **Jpn Heart J** 19(4):563–4, Jul 78

Changes in pituitary oxytocin and vasopressin during the estrous cycle and after ovarian hormones: evidence for mediation by norepinephrine. Crowley WR, et al. **Life Sci** 23(26):2579–85, 25 Dec 78

The hormonal induction of maturation in amphibian oocytes. Brachet J, et al. **Med Biol** 56(6):304–9, Dec 78 (56 ref.)

Cell membrane, a target for steroid hormones. Baulieu EE. **Mol Cell Endocrinol** 12(3):247–54, Dec 78 (50 ref.)

Effect of several androgens, cyproterone acetate or estrogen-progesterone on the prolactin-releasing activity of arginine vasotocin in castrated male rats. Vaughan MK, et al. **Mol Cell Endocrinol** 12(3):309–18, Dec 78

Observations on the function of the dopaminergic nerves innervating the pituitary gland. Holzbauer M, et al. **Neuroscience** 3(12):1251–62, 1978

Local progestational and antiprogestational effects of steroids and their metabolites on the rabbit uterus. Tamaya T, et al. **Nippon Funin Gakkai Zasshi** 24(1):48–51, Jan 79

Biphasic effects of the antiserotonergic methysergide on lordosis in rats. Davis GA, et al. **Pharmacol Biochem Behav** 9(4):487–91, Oct 78

Effect of progesterone on the sebaceous glands. Thody AJ, et al. **Postgrad Med J** 54(2):88–90, 1978

Estrogen control of prolactin synthesis in vitro. Lieberman ME, et al. **Proc Natl Acad Sci USA** 75(12):5946–9, Dec 78

Mechanism of action of hypothalamic hormones in the anterior pituitary gland and specific modulation of their activity by sex steroids and thyroid hormones. Labrie F, et al. **Recent Prog Horm Res** 34:25–93, 1978 (175 ref.)

Physiologic basis of myometrial function. Anderson NC Jr. **Semin Perinatol** 2(3):211–22, Jul 78 (58 ref.)

The effect of various hormones on the humoral immune response of murine lymphocytes in vitro. Okamura K, et al. **Tohoku J Exp Med** 126(3):235–8, Nov 78

[Effect of testosterone on sodium and potassium excretion and their level in kidney tissue] Radev AI. **Akush Ginekol (Sofiia)** 17(6):405–11, 1978 (Eng. Abstr.) **(Bul)**

[Influence of vehicle upon progesterone early effect in biovariotomized pregnant rat (author's transl)] Lafaye A, et al. **Ann Pharm Fr** 36(7–8):391–6, 1978 (Eng. Abstr.) **(Fre)**

[Inhibition of rat liver delta 4-3-ketosteroid-5 alpha-reductase by steroids in vitro] Schubert K, et al. **Endokrinologie** 72(2):141–8, May 78 (Eng. Abstr.) **(Ger)**

[The influence of pregnancy specific serum factors on the mitogen induced culture of lymphocytes (author's transl)] Kreienberg R, et al. **Geburtshilfe Frauenheilkd** 39(2):121–9, Feb 79 (Eng. Abstr.) **(Ger)**

[Morphological changes of the tube and the endometrium with the Progestasert system] Ludwig KS. **Gynaekol Rundsch** 18(3–4):263–5, 1978 **(Ger)**

[The Progestasert system] Mall-Haefeli M. **Gynaekol Rundsch** 18(3–4):253–62, 1978 **(Ger)**

[Possibilities of testing sex steroid effects in the uropoietic system] Voigt R, et al. **Z Urol Nephrol** 71(10):685–7, Oct 78 (Eng. Abstr.) **(Ger)**

[The effect of steroid hormones: oestrogens and progesterone, chorionic gonadotrophin and LH-releasing factor on the structure of filtration angle and intraocular tension in rabbits (author's transl)] Gierkowa A, et al. **Klin Oczna** 48(12):643–5, Dec 78 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Retention of rapid onset of maternal behavior during pregnancy in primiparous rats. Bridges RS. **Behav Biol** 24(1):113–7, Sep 78

Pituitary and placental gonadotrophins and sex steroids in the human and sub-human primate fetus. Kaplan SL, et al. **Clin Endocrinol Metab** 7(3):487–511, Nov 78 (114 ref.)

Cyclic changes in antral fluid hormone concentrations in humans. McNatty KP. **Clin Endocrinol Metab** 7(3):577–600, Nov 78

Effect of synthetic and natural sex steroids on X-chromatin. Chakravarty A, et al. **Indian J Med Res** 68:785–9, Nov 78

The physiological action of progesterone and the pharmacological effects of progestogens--a short review. Neumann F. **Postgrad Med J** 54(2):11–24, 1978 (28 ref.)

Endocrine factors in the modulation of food intake. Bray GA. **Proc Nutr Soc** 37(3):301–9, Dec 78 (53 ref.)

Control of parturition in subhuman primates. Challis JR, et al. **Semin Perinatol** 2(3):247–60, Jul 78 (66 ref.)

Initiation of parturition in the human female. MacDonald PC, et al. **Semin Perinatol** 2(3):273–86, Jul 78

Steroid hormone regulation of specific gene expression. Chan L, et al. **Vitam Horm** 36:259–95, 1978 (202 ref.)

[Causes of the onset of labor] Katsulov A. **Akush Ginekol (Sofiia)** 17(6):447–56, 1978 (61 ref.) (Eng. Abstr.) **(Bul)**

[Pathogenesis of the premenstrual syndrome (author's transl)] Van Bogaert LJ. **Nouv Presse Med** 7(43):3921–4, 2 Dec 78 (Eng. Abstr.) **(Fre)**

SECRETION

Secretion patterns of plasma-progesterone, 17-hydroxyprogesterone and 20 alpha hydroxypregn-4-en-3-one in early normal pregnancy. Harrison RF, et al. **Br J Obstet Gynaecol** 85(12):921–6, Dec 78

Secretion patterns of plasma-progesterone, 17-hydroxyprogesterone, and 20alpha hydroxypregn-4-en-3-one in early abnormal pregnancy. Harrison RF, et al. **Br J Obstet Gynaecol** 85(12):927–32, Dec 78

Secretion of progesterone during gestation in the rat. Sanyal MK. **J Endocrinol** 79(2):179–90, Nov 78

[The effect of local progesterone on benign breast diseases. 500 case studies] Lafaye C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(6):1123–39, Sep 78 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Porgesterone therapy in obese patients with sleep apnea. Orr WC, et al. **Arch Intern Med** 139(1):109–11, Jan 79

Premenstrual tension syndrome [letter] **Br Med J** 1(6160):410, 10 Feb 79

Cell proliferation kinetics and nuclear morphology in endometrial cancer under progesteron treatment. Sirack J, et al. **Neoplasma** 25(5):535–9, 1978

[Adrenocorticotropic and steroid secretion in hirsute pregnant women with habitual abortion] Despodova Ts, et al. **Akush Ginekol (Sofiia)** 17(6):417–23, 1978 (Eng. Abstr.) **(Bul)**

RELAXIN

Relaxin. Schwabe C, et al. **Recent Prog Horm Res** 34:123–211, 1978 (188 ref.)

ANALYSIS

Relaxin. Schwabe C, et al. **Recent Prog Horm Res** 34:123–211, 1978 (188 ref.)

IMMUNOLOGY

Relaxin secretion in early pregnancy. Quagliarello J, et al. **Obstet Gynecol** 53(1):62–3, Jan 79

PHARMACODYNAMICS

Relaxin. Schwabe C, et al. **Recent Prog Horm Res** 34:123–211, 1978 (188 ref.)

PHYSIOLOGY

Relaxin. Schwabe C, et al. **Recent Prog Horm Res** 34:123–211, 1978 (188 ref.)

Ripening of the cervix. Liggins GC. **Semin Perinatol** 2(3):261–71, Jul 78 (56 ref.)

SECRETION

Relaxin secretion in early pregnancy. Quagliarello J, et al. **Obstet Gynecol** 53(1):62–3, Jan 79

SEX HORMONES

ADMINISTRATION & DOSAGE

Effect of neonatal administration of sex steroids on 7,12-dimethylbenz[a]anthracene-induced mammary carcinoma and dysplasia in female Sprague-Dawley rats. Yoshida H, et al. **Gan** 69(5):627–31, Oct 78

ADVERSE EFFECTS

Hyperbilirubinemic and cholestatic syndromes. New concepts aiding recognition and management. Javitt NB. **Postgrad Med** 65(1):120–4, 127–8, 130, Jan 79

[Possible carcinogenic action of sex hormones in the perinatal period of ontogeny] Ird EA, et al. **Akush Ginekol (Mosk)** (12):4–7, Dec 78 (28 ref.) **(Rus)**

[Hormonal therapy; Its positive and negative aspects] Vasiukova EA, et al. **Klin Med (Mosk)** 56(12):8–15, Dec 78 **(Rus)**

ANALYSIS

[Sex hormone study in premature labor] Markovski N, et al. **Akush Ginekol (Sofiia)** 17(6):423–8, 1978 (Eng. Abstr.) **(Bul)**

BIOSYNTHESIS

Fetal gonadal endocrine activity and reproductive tract differentiation. Bloch E. **Contrib Gynecol Obstet** 5:21–37, 1979 (76 ref.)

Hormonal control of steroidogenesis in an elasmobranch fish (Scyliorhinus canicula L.): studies using a specific anti-gonadotrophic antibody [proceedings] Sumpter JP, et al. **J Endocrinol** 79(2):28P–29P, Nov 78

Peripheral and ovarian venous concentrations of various steroid hormones in virilizing ovarian tumors. Meldrum DR, et al. **Obstet Gynecol** 53(1):36–43, Jan 79

BLOOD

Effect of stress on the profile of plasma steroids in baboons (Papio hamadryas). Goncharov NP, et al. **Acta Endocrinol (Copenh)** 90(2):372–84, Feb 79

Gonadal lesions in transsexualism [letter] Ionescu B, et al. **Br J Psychiatry** 134:126, Jan 79

Gonadotrophins and steroid hormones in the blood and urine of prepubertal girls and other primates. Winter JS, et al. **Clin Endocrinol Metab** 7(3):513–30, Nov 78 (74 ref.)

Sex steroids and sex-hormone binding globulin in males with chronic alcoholism. Lindholm J, et al. **Eur J Clin Invest** 8(5):273–6, Oct 78

Sex hormones, prolactin levels, osmolarity and electrolyte patterns in menstrual migraine – relationship with fluid retention. Nattero G, et al. **Headache** 19(1):25–30, Jan 79

Effect of clomiphene on the restoration of ovulation in androgen-sterile rats. Baranov VG, et al. **Neurosci Behav Physiol** 8(4):271–4, Oct–Dec 77

Influence of epiphysectomy on the circadian rhythm of the glucocorticoid, androgenic, estrogenic, and gestagenic function of the endocrine glands. Golikov PP, et al. **Neurosci Behav Physiol** 8(4):281–4, Oct–Dec 77

Peripheral and adrenal venous levels of steroids in a patient with virilizing adrenal adenoma. Granoff AB, et al. **Obstet Gynecol** 53(1):111–5, Jan 79

Peripheral and ovarian venous concentrations of various steroid hormones in virilizing ovarian tumors. Meldrum DR, et al. **Obstet Gynecol** 53(1):36–43, Jan 79

[Fat protrusion of the skin and sex hormones in Klinefelter syndrome] Nürnberger F, et al. **Z Hautkr** 54(2):47–57, 15 Jan 79 **(Ger)**

[Hormones in ischemic heart disease with the presence of coronary atherosclerosis] Pivovarov VN, et al. **Kardiologiia** 18(12):30–6, Dec 78 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Biological effects of antibodies to gonadal steroids. Nieschlag E, et al. **Vitam Horm** 36:165–202, 1978 (98 ref.)

METABOLISM

Regional changes in structure and function of adrenergic nerves in guinea-pig uterus during pregnancy. Thorbert G. **Acta Obstet Gynecol Scand [Suppl]** (79):1–32, 1978

Research in reproductive hormones. Butt WR. **Ann Clin Biochem** 16(1):1–5, Jan 79

Pituitary and placental gonadotrophins and sex steroids in the human and sub-human primate fetus. Kaplan SL, et al. **Clin Endocrinol Metab** 7(3):487–511, Nov 78 (114 ref.)

Gonadotrophins and steroid hormones in the blood and urine of prepubertal girls and other primates. Winter JS, et al. **Clin Endocrinol Metab** 7(3):513–30, Nov 78 (74 ref.)

New trends in the problem of sex differentiation. Wolff E. **Med Biol** 56(6):403–6, Dec 78

Dynamic hormonal tests in a case of premature ovarian failure. Asch RH, et al. **South Med J** 72(1):72–4, Jan 79

Effects of cannabinoids on reproduction and development. Bloch E, et al. **Vitam Horm** 36:203–58, 1978 (236 ref.)

PHARMACODYNAMICS

Regulation by sex hormones of immunoglobulins in rat uterine and vaginal secretions. Wira CR, et al. **Adv Exp Med Biol** 107:531–9, 1978

Hydrocortisone inhibits DMSO – induced differentiation of Friend erythroleukemia cells. Santoro MG, et al. **Biochem Biophys Res Commun** 85(4):1510–7, 29 Dec 78

Glucocorticoids regulate the concentration of 1,25-dihydroxycholecalciferol receptors in bone. Manolagas SC, et al. **Nature** 277(5694):314–5, 22 Jan 79

The use of hormones to regulate the utilization of nutrients in farm animals: current farm practices. Heitzman RJ. **Proc Nutr Soc** 37(3):289–93, Dec 78

Effect of sex steroid hormones on the serum prolactin concentration. Yoshida T, et al. **Tohoku J Exp Med** 127(2):119–22, Feb 79

PHYSIOLOGY

Effects of hormone manipulations and exploration on sex differences in maze learning. Joseph R, et al. **Behav Biol** 24(3):364–77, Nov 78

Fetal gonadal endocrine activity and reproductive tract differentiation. Bloch E. **Contrib Gynecol Obstet** 5:21–37, 1979 (76 ref.)

Sexual differentiation of the brain. Gorski RA. **Hosp Pract** 13(10):55–62, Oct 78

Reproductive endocrinology and the merry post-war period. The Sir Henry Dale lecture for 1978. Diczfalusy E. **J Endocrinol** 79(2):3P–17P, Nov 78

Requirement of the pituitary gland for gonadal hormone effects on hepatic drug metabolism in rats. Kramer RE, et al. **J Pharmacol Exp Ther** 208(1):19–23, Jan 79

Insulin and growth hormone: regulators of growth with particular reference to muscle. Cheek DB, et al. **Kidney Int** 14(4):317–22, Oct 78 (41 ref.)

The syndromes of primary hormone resistance. Verhoeven GF, et al. **Metabolism** 28(3):253–89, Mar 79 (300 ref.)

Mechanism of action of hypothalamic hormones in the anterior pituitary gland and specific modulation of their activity by sex steroids and thyroid hormones. Labrie F, et al. **Recent Prog Horm Res** 34:25–93, 1978 (175 ref.)

[The participation of the proximal convoluted tubule in the formation of the parietal layer of the renal corpuscle in the mouse (Mus musculus)]. Böhnel P. **Experientia** 34(10):1351–2, 15 Oct 78 (Eng. Abstr.) **(Ger)**

[Epidemiology of breast cancer] Margreiter R. **Wien Med Wochenschr** 128(24):747–52, 30 Dec 78 (87 ref.) **(Ger)**

[Why does the lowering of testosterone levels accompany a reduction of coronary pathology? (news)] **Minerva Med** 69(59):XV, 1 Dec 78 **(Ita)**

[Cytochemical and histoautoradiographic analysis of changes in the epithelium of the submandibular gland of white rats

following ovariectomy] Krichevskaia IE. **Probl Endokrinol (Mosk)** 25(1):71–5, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

SECRETION

[Adrenocorticotropic and steroid secretion in hirsute pregnant women with habitual abortion] Despodova Ts, et al. **Akush Ginekol (Sofiia)** 17(6):417–23, 1978 (Eng. Abstr.) **(Bul)**

THERAPEUTIC USE

Clinical strategy in osteopenia [editorial] Raisz LG. **Hosp Pract** 13(11):11–2, 21, Nov 78

[Critical assessment of present-day tendencies in the treatment of positional testicular anomalies (author's transl)] Fargaš E, et al. **Cas Lek Cesk** 117(43):1357–9, 27 Oct 78 (Eng. Abstr.) **(Cze)**

[Hormonal therapy; Its positive and negative aspects] Vasiukova EA, et al. **Klin Med (Mosk)** 56(12):8–15, Dec 78 **(Rus)**

URINE

Gonadotrophins and steroid hormones in the blood and urine of prepubertal girls and other primates. Winter JS, et al. **Clin Endocrinol Metab** 7(3):513–30, Nov 78 (74 ref.)

[Characteristics in the correlation of ovarian cycle hormones in mastopathy and breast cancer] Kuz'mina ZV, et al. **Vestn Akad Med Nauk SSSR** (2):60–4, 1979 (Eng. Abstr.) **(Rus)**

STANOLONE

Monospecific antibodies to the sex steroid-binding protein (SBP) of human and rabbit sera: cross-reactivity with other species. Bordin S, et al. **Biochem Biophys Res Commun** 85(1):391–401, 14 Nov 78

ADMINISTRATION & DOSAGE

Effect of neonatal administration of sex steroids on 7,12-dimethylbenz[a]anthracene-induced mammary carcinoma and dysplasia in female Sprague-Dawley rats. Yoshida H, et al. **Gan** 69(5):627–31, Oct 78

ANALOGS & DERIVATIVES

Plasma cholesterol, triglycerides, FSH and testosterone levels of normolipemic male patients with decreased fertility treated with mesterolone. Nikkanen V. **Andrologia** 11(1):33–6, Jan 79

Mesterolone: thrombosis during treatment, and a study of its prothrombotic effects. Lowe GD, et al. **Br J Clin Pharmacol** 7(1):107–9, Jan 79

BLOOD

Effect of stress on the profile of plasma steroids in baboons (Papio hamadryas). Goncharov NP, et al. **Acta Endocrinol (Copenh)** 90(2):372–84, Feb 79

Steroid levels in the serum and seminal plasma during clomiphene therapy in hypofertile men. Sas M, et al. **Acta Med Acad Sci Hung** 35(2):159–65, 1978

Sex steroids and sex-hormone binding globulin in males with chronic alcoholism. Lindholm J, et al. **Eur J Clin Invest** 8(5):273–6, Oct 78

Peripheral and adrenal venous levels of steroids in a patient with virilizing adrenal adenoma. Granoff AB, et al. **Obstet Gynecol** 53(1):111–5, Jan 79

Peripheral and ovarian venous concentrations of various steroid hormones in virilizing ovarian tumors. Meldrum DR, et al. **Obstet Gynecol** 53(1):36–43, Jan 79

Hormone changes triggered by aggression in a natural population of blackbirds. Harding CF, et al. **Science** 203(4383):918–20, 2 Mar 79

METABOLISM

Steroid levels in the serum and seminal plasma during clomiphene therapy in hypofertile men. Sas M, et al. **Acta Med Acad Sci Hung** 35(2):159–65, 1978

Sex hormone binding globulin and transcortin in human and baboon males. Karr JP, et al. **Arch Androl** 1(2):123–9, 1978

The influence of aging on androgen dynamics in the male rat. Robinette CL, et al. **Arch Biochem Biophys** 191(2):503–16, Dec 78

Partial characterization of [3H]methyltrienolone binding in rat prostate cytosol. Pousette A, et al. **Biochim Biophys Acta** 582(2):358–67, 18 Jan 79

Androgen receptor in the rat brain--assays and properties. Chamness GC, et al. **Brain Res** 161(2):267–76, 2 Feb 79

Observations on the determination of fetal sex in early pregnancy. Zondek LH, et al. **Contrib Gynecol Obstet** 5:91–108, 1979 (70 ref.)

A comparison of heparin agarose and DNA cellulose for the characterization and partial purification of androgen receptors from rat prostate. Mulder E, et al. **FEBS Lett** 97(2):260–4, 15 Jan 79

Danazol binding to rat androgen, glucocorticoid, progesterone, and estrogen receptors: correlation with biologic activity. Barbieri RL, et al. **Fertil Steril** 31(2):182–6, Feb 79

Protein factor that inhibits binding and promotes release of androgen-receptor complex from nuclear chromatin. Shyr CI, et al. **Proc Natl Acad Sci USA** 75(12):5969–73, Dec 78

[Experimental study on the pathogenesis of prostatic adenoma] Jacobi GH, et al. **J Urol Nephrol (Paris)** 83 Suppl 2:507–13, 1977 **(Fre)**

[2alpha-Hydroxylation of 5alpha-dihydrotestosterone in the lung of guinea pigs (author's transl)] Lemm U, et al. **Hoppe Seylers Z Physiol Chem** 360(1):35–8, Jan 79 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Regulation by sex hormones of immunoglobulins in rat uterine and vaginal secretions. Wira CR, et al. **Adv Exp Med Biol** 107:531–9, 1978

Blockade by vitamin A of the occurrence of permanent vaginal changes in mice treated neonatally with 5alpha-dihydrotestosterone. Iguchi T, et al. **Anat Embryol (Berl)** 155(2):127–34, 30 Jan 79

Hormonal induction of alpha2u-globulin synthesis in isolated rat hepatocytes. Chen CL, et al. **Biochemistry** 17(24):5308–13, 28 Nov 78

Effects of sex steroids and antihormones on growth, adhesiveness and receptors of L-929 cells cultured in serum-containing and serum-free media. Jung-Testas I, et al. **Exp Cell Res** 119(1):75–85, 1 Mar 79

Requirement of the pituitary gland for gonadal hormone effects on hepatic drug metabolism in rats. Kramer RE, et al. **J Pharmacol Exp Ther** 208(1):19–23, Jan 79

The in vitro and in vivo effects of testosterone and steroid metabolites on erythroid colony forming cells (CFU-E). Modder B, et al. **J Pharmacol Exp Ther** 207(3):1004–12, Dec 78

Effect of several androgens, cyproterone acetate or estrogen-progesterone on the prolactin-releasing activity of arginine vasotocin in castrated male rats. Vaughan MK, et al. **Mol Cell Endocrinol** 12(3):309–18, Dec 78

TESTOSTERONE

Failure to produce hepatic hyperplastic nodules in rats by portacaval anastomosis and testosterone [letter] Wanless IR, et al. **Nature** 277(5694):327–8, 22 Jan 79

Effect of clomiphene on the restoration of ovulation in androgen-sterile rats. Baranov VG, et al. **Neurosci Behav Physiol** 8(4):271–4, Oct–Dec 77

ADMINISTRATION & DOSAGE

Serum LH and FSH following passive immunization against circulating testosterone in the intact male rat and in orchidectomized rats bearing subcutaneous silastic implants of testosterone. Gay VL, et al. **Arch Androl** 1(3):257–66, May 78

Effect of neonatal administration of sex steroids on 7,12-dimethylbenz[a]anthracene-induced mammary carcinoma and dysplasia in female Sprague-Dawley rats. Yoshida H, et al. **Gan** 69(5):627–31, Oct 78

Alterations of peripheral testosterone matabolism after induced hypoprolactinemia in patients with prostatic carcinoma. Jacobi GH, et al. **Klin Wochenschr** 57(1):49–51, 1 Jan 79

Medical treatment of the subfertile male. Cunningham GR. **Urol Clin North Am** 5(3):537–48, Oct 78 (62 ref.)

[Combined drug treatment of far-advanced forms of breast cancer] Borisov AI. **Vopr Onkol** 24(12):23–7, 1978 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Biochemical changes of the human semen produced by

chlorambucil, testosterone propionate and human chorionic gonadotropin administration. Calamera JC, et al. **Andrologia** 11(1):43–50, Jan 79

[Possible carcinogenic action of sex hormones in the perinatal period of ontogeny] Ird EA, et al. **Akush Ginekol (Mosk)** (12):4–7, Dec 78 (28 ref.) **(Rus)**

ANALOGS & DERIVATIVES

A simple technique for determining the sex of fish by radioimmunoassay using 11-ketotestosterone antiserum. Sangalang GB, et al. **Gen Comp Endocrinol** 36(2):187–93, Oct 78

Manipulation of female growth and efficiency of food utilization. I. The effects of perinatal testosterone propionate, ovariectomy at 21 d and long-acting testosterone esters from 36 to 38 d of age [proceedings] Perry BN, et al. **Proc Nutr Soc** 37(3):108A, Dec 78

ANALYSIS

[Androgen activity of dysgenesic rats' testis. Histochemical, ultrastructural studies and radioimmunoassay of testosterone] Vanhems E, et al. **Ann Endocrinol (Paris)** 39(5):393–402, 1978 (Eng. Abstr.) **(Fre)**

ANTAGONISTS & INHIBITORS

Mechanism of action of aminoglutethimide in breast cancer [letter] Santen RJ, et al. **Lancet** 1(8106):44–5, 6 Jan 79

BIOSYNTHESIS

A combined biochemical and histochemical study on steroid metabolism in mouse ovary and ovarian tumours. Snoeijing R, et al. **Acta Histochem [Suppl] (Jena)** 14:119–28, 1975

Effects of pipecolinomethylhydroxyindane on testicular and adrenocortical function in rats. Kinson GA. **Arch Androl** 1(2):185–91, 1978

Recognition of the beta-subunit of human chorionic gonadotropin and sub-determinants by target tissue receptors. Ramakrishnan S, et al. **Biochem J** 176(2):599–602, 15 Nov 78

Testosterone production with hydatidiform moles--in vitro and in vivo studies. Chew PC, et al. **Br J Obstet Gynaecol** 86(1):37–40, Jan 79

Fetal gonadal endocrine activity and reproductive tract differentiation. Bloch E. **Contrib Gynecol Obstet** 5:21–37, 1979 (76 ref.)

Feminization of the alcoholic: the estrogen/testosterone ratio (E/T) [editorial] Lester R, et al. **Gastroenterology** 76(2):415–7, Feb 79

Age-related changes in reproductive hormones and in Leydig cell responsivity in the male Fischer 344 rat. Bethea CL, et al. **J Gerontol** 34(1):21–7, Jan 79

Effects of ethanol on the hypothalamic-pituitary-luteinizing hormone axis and testicular steroidogenesis. Cicero TJ, et al. **J Pharmacol Exp Ther** 208(2):210–5, Feb 79

Conversion of progesterone to testosterone in the rat Leydig cell. Gnodde HP, et al. **Proc Soc Exp Biol Med** 160(1):130–3, Jan 79

BLOOD

Hormonal analysis and delayed hypersensitivity reactions in identical twins with severe acne. Palatsi R, et al. **Acta Derm Venereol (Stockh)** 59(2):157–60, 1979

Enhanced testosterone in female patients with anorexia nervosa: its normalization after weight gain. Baranowska B, et al. **Acta Endocrinol (Copenh)** 90(2):328–35, Feb 79

Effect of stress on the profile of plasma steroids in baboons (Papio hamadryas). Goncharov NP, et al. **Acta Endocrinol (Copenh)** 90(2):372–84, Feb 79

Plasma testosterone in male puberty. II. hCG stimulation test in boys with hypospadia. Knorr D, et al. **Acta Endocrinol (Copenh)** 90(2):365–71, Feb 79

Steroid levels in the serum and seminal plasma during clomiphene therapy in hypofertile men. Sas M, et al. **Acta Med Acad Sci Hung** 35(2):159–65, 1978

Biological significance of human prolactin in adult, healthy and infertile males. Sas M, et al. **Acta Med Acad Sci Hung** 34(3):139–45, 1977

Hyperthecosis syndrome. Clinical, endocrinologic and histologic findings. Karam K, et al. **Acta Obstet Gynecol Scand** 58(1):73–9, 1979

Werner's syndrome: in vivo and in vitro characteristics as a model of aging. Nakao Y, et al. **Am J Med** 65(6):919–32, Dec 78

Testosterone levels in female partners of infertile couples. Relationship between androgen levels in the woman, the male factor, and the incidence of pregnancy. Steinberger E, et al. **Am J Obstet Gynecol** 133(2):133–8, 15 Jan 79

The relationship between plasma FSH, testosterone levels and testicular histology in males with azoospermia. Bablok L, et al. **Andrologia** 10(6):502–5, Nov–Dec 78

Effect of dexamethasone and testosterone propionate on LH response to gonadoliberin (LRH) in young post-pubertal bulls. Chantaraprateep P, et al. **Andrologia** 11(1):25–32, Jan 79

Ectopic Leydig cells in a seminiferous tubules of an infertile human male with a chromosomal aberration. Mori H, et al. **Andrologia** 10(6):434–43, Nov–Dec 78

Plasma cholesterol, triglycerides, FSH and testosterone levels of normolipemic male patients with decreased fertility treated with mesterolone. Nikkanen V. **Andrologia** 11(1):33–6, Jan 79

Investigations on the influence of prolactin suppression on reproductive function in bulls. Stolla R, et al. **Andrologia** 11(1):1–10, Jan 79

Prolactin in azoospermic men and its relation to testicular morphology, serum testosterone and gonadotrophin levels. Suominen JJ, et al. **Andrologia** 11(1):15–7, Jan 79

Factors underlying infertility in the alcoholic. Farnsworth WE, et al. **Arch Androl** 1(2):193–5, 1978

Serum LH and FSH following passive immunization against circulating testosterone in the intact male rat and in orchidectomized rats bearing subcutaneous silastic implants of testosterone. Gay VL, et al. **Arch Androl** 1(3):257–66, May 78

Effects of pipecolinomethylhydroxyindane on testicular and adrenocortical function in rats. Kinson GA. **Arch Androl** 1(2):185–91, 1978

The effect of unilateral castration on plasma and testicular testosterone in rabbits from birth to 60 days. Berger M, et al. **Arch Int Physiol Biochim** 86(4):799–808, Oct 78

Plasma testosterone, serum FSH, and serum LH levels in transvestism. Buhrich N, et al. **Arch Sex Behav** 8(1):49–53, Jan 79

Pituitary gonadal system function in patients with erectile impotence and premature ejaculation. Pirke KM, et al. **Arch Sex Behav** 8(1):41–8, Jan 79

Androgenic status of males with systemic lupus erythematosus. Stahl NI, et al. **Arthritis Rheum** 21(6):665–8, Jul–Aug 78

Clinical features and plasma hormone levels after surgical menopause. Dennerstein L, et al. **Aust NZ J Obstet Gynaecol** 18(3):202–5, Aug 78

Influences of sexual and social stimuli upon circulating levels of testosterone in male pigtail macaques. Bernstein IS, et al. **Behav Biol** 24(3):400–4, Nov 78

Scent-marking and olfactory investigatory behavior in the squirrel monkey (Saimiri sciureus). Hennessy MB, et al. **Behav Biol** 24(1):57–67, Sep 78

Day-to-day variations in serum levels of follicle-stimulating hormone and luteinizing hormone in homosexual males. Halbreich U, et al. **Biol Psychiatry** 13(5):541–9, Oct 78

Testosterone production with hydatidiform moles--in vitro and in vivo studies. Chew PC, et al. **Br J Obstet Gynaecol** 86(1):37–40, Jan 79

Endocrine basis for sexual dysfunction in men [editorial] **Br Med J** 2(6151):1516–7, 2 Dec 78

Pituitary-testicular axis in diabetic men with and without sexual impotence. Daubresse JC, et al. **Diabete Metab** 4(4):233–7, Dec 78

On the correlation between FSH, LH and prolactin serum levels. Krause W. **Endokrinologie** 72(2):129–35, May 78

Pituitary-testicular function in patients with chronic alcoholism. Lindholm J, et al. **Eur J Clin Invest** 8(5):269–72, Oct 78

Sex steroids and sex-hormone binding globulin in males with chronic alcoholism. Lindholm J, et al. **Eur J Clin Invest** 8(5):273–6, Oct 78

Gonadotropin and testosterone secretion in normal human males after stimulation with gonadotropin-releasing hormone (GnRH) or potent GnRH analogs using different modes of application. Happ J, et al. **Fertil Steril** 30(6):666–73, Dec 78

Gonadotropin secretion in eugonadotropic human males and postmenopausal females under long-term application of a potent analog of gonadotropin-releasing hormone. Happ J, et al. **Fertil Steril** 30(6):674–8, Dec 78

Induced varicoceles in rhesus monkeys. Kay R, et al. **Fertil Steril** 31(2):195–9, Feb 79

Effect of testosterone application on hormone concentrations of androgens and estrogens in male patients with cirrhosis of the liver. Kley HK, et al. **Gastroenterology** 76(2):235–41, Feb 79

Feminization of the alcoholic: the estrogen/testosterone ratio (E/T) [editorial] Lester R, et al. **Gastroenterology** 76(2):415–7, Feb 79

Development and validation of a 'direct' radioimmunoassay for plasma testosterone in the fowl (Gallus domesticus). Driot FJ, et al. **Gen Comp Endocrinol** 36(2):244–9, Oct 78

A comparative study of the annual cycles in sexual and thyroid function in male Peking ducks (Anas platyrhynchos) and teal (Anas crecca). Jallageas M, et al. **Gen Comp Endocrinol** 36(2):201–10, Oct 78

The endocrine control by luteinizing hormone of testosterone secretion from the testis of the Japanese quail. Maung SL, et al. **Gen Comp Endocrinol** 36(1):79–89, Sep 78

A simple technique for determining the sex of fish by radioimmunoassay using 11-ketotestosterone antiserum. Sangalang GB, et al. **Gen Comp Endocrinol** 36(2):187–93, Oct 78

Effect of prostaglandin E2 and F2alpha on serum luteinizing hormone, testosterone and prolactin in bulls. Haynes NB, et al. **J Anim Sci** 47(4):923–6, Oct 78

Testicular steroid secretion in response to GnRH-mediated LH and FSH release in bulls. Schanbacher BD, et al. **J Anim Sci** 47(2):514–20, Aug 78

Effects of tamoxifen on plasma concentrations of testosterone and gonadotrophins in the male rat. Bartke A, et al. **J Endocrinol** 79(2):239–40, Nov 78

Plasma hormone levels and the conversion of androstenedione to oestrone in women with endometrial cancer [proceedings] Reed MJ, et al. **J Endocrinol** 79(2):54P–55P, Nov 78

Age-related changes in reproductive hormones and in Leydig cell responsivity in the male Fischer 344 rat. Bethea CL, et al. **J Gerontol** 34(1):21–7, Jan 79

Effect of anticonvulsants on plasma testosterone and sex hormone binding globulin levels. Barragry JM, et al. **J Neurol Neurosurg Psychiatry** 41(10):913–4, Oct 78

Alterations of peripheral testosterone matabolism after induced hypoprolactinemia in patients with prostatic carcinoma. Jacobi GH, et al. **Klin Wochenschr** 57(1):49–51, 1 Jan 79

Endocrine abnormalities associated with chronic renal failure. Lim VS, et al. **Med Clin North Am** 62(6):1341–61, Nov 78 (75 ref.)

Prolactin-secreting tumors and hypogonadism in men [letter] **N Engl J Med** 300(10):563–4, 8 Mar 79

Androgen insensitivity as a cause of infertility in otherwise normal men. Aiman J, et al. **N Engl J Med** 300(5):223–7, 1 Feb 79

A new cause of male infertility [editorial] Walsh PC. **N Engl J Med** 300(5):253–4, 1 Feb 79

Effects of pinealectomy of rams on secretory profiles of luteinizing hormone, testosterone, prolactin and cortisol. Barrell GK, et al. **Neuroendocrinology** 27(5–6):216–27, 1978

Influence of epiphysectomy on the circadian rhythm of the glucocorticoid, androgenic, estrogenic, and gestagenic function of the endocrine glands. Golikov PP, et al. **Neurosci Behav Physiol** 8(4):281–4, Oct–Dec 77

Peripheral and adrenal venous levels of steroids in a patient with virilizing adrenal adenoma. Granoff AB, et al. **Obstet Gynecol** 53(1):111–5, Jan 79

Peripheral and ovarian venous concentrations of various steroid hormones in virilizing ovarian tumors. Meldrum DR, et al. **Obstet Gynecol** 53(1):36–43, Jan 79

Pituitary and ovarian function in women with congenitally absent uterus. Ylikorkala O, et al. **Obstet Gynecol** 53(1):137–9, Jan 79

Social and seasonal influences on testosterone secretion in the male rhesus monkey. Gordon TP, et al. **Physiol Behav** 21(4):623–7, Oct 78

Plasma hormone profiles after the menopause and bilateral oöphorectomy. Studd JW, et al. **Postgrad Med J** 54(2):25–30, 1978

Serum concentration of pituitary, thyroid and gonadal hormones in nondialysed and dialysed males with chronic renal failure. Czekalski S, et al. **Proc Eur Dial Transplant Assoc** 15:599–600, 1978

The relationship of plasma estradiol to sexual behavior in young women. Persky H, et al. **Psychosom Med** 40(7):523–35, Nov 78

Hormone changes triggered by aggression in a natural population of blackbirds. Harding CF, et al. **Science** 203(4383):918–20, 2 Mar 79

Testicular blood flow and plasma testosterone concentrations in anesthetized rats previously exposed to air at 6 ATA. Röckert HO, et al. **Undersea Biomed Res** 5(4):355–61, Dec 78

[Dynamic study of the hypothalomo-hypophyseal-gonadal axis in patients with Klinefelter's syndrome] Maleeva A. **Vutr Boles** 17(6):56–62, 1978 (Eng. Abstr.) **(Bul)**

[Significance of serum testosterone and LH determination in the hormonal therapy of prostatic cancer] Scheinar J, et al. **Rozhl Chir** 57(12):805–12, Dec 78 (Eng. Abstr.) **(Cze)**

[Androgen activity of dysgenesic rats' testis. Histochemical, ultrastructural studies and radioimmunoassay of testosterone] Vanhems E, et al. **Ann Endocrinol (Paris)** 39(5):393–402, 1978 (Eng. Abstr.) **(Fre)**

[Seasonal plasma testosterone variations in the stone marten] Audy MC. **C R Acad Sci [D] (Paris)** 287(7):721–4, 2 Oct 78 (Eng. Abstr.) **(Fre)**

[The heterogeneity of micropolycystic ovary syndrome. 77 cases (author's transl)] Bremond A, et al. **Nouv Presse Med** 7(41):3733–6, 25 Nov 78 (Eng. Abstr.) **(Fre)**

[Effect of early social deprivation and lack of sexual experience on sexual maturation of male mice (author's transl)] Jean-Faucher C, et al. **Physiol Behav** 21(4):491–6, Oct 78 (Eng. Abstr.) **(Fre)**

[Gonadotropin secretion in patients with testicular feminization] Valkov I, et al. **Zentralbl Gynaekol** 100(21):1399–402, 1978 (Eng. Abstr.) **(Ger)**

[Bilateral cryptorchism and its implications in male sterility] Netto Júnior NR, et al. **AMB** 24(9):320–2, Sep 78 (Eng. Abstr.) **(Por)**

[A Paracanã Indian with idiopathic hypogonadotropic hypogonadism] Vieira Filho JP. **AMB** 24(10):363–4, Oct 78 (Eng. Abstr.) **(Por)**

[Gonadotropic regulation of ovarian function in patients with polycystic ovaries] Dobracheva AD, et al. **Probl Endokrinol (Mosk)** 25(1):19–23, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

[Production of estradiol and testosterone in the human ovary during the normal cycle (studied by direct catheterization of the ovarian veins)] Vaticón MD, et al. **Acta Ginecol (Madr)** 33(6):215–24, 15 Oct 78 **(Spa)**

[Hypophyso-gonadal function in infancy. From newborn to puberty (author's transl)] Ruiz E, et al. **Rev Esp Fisiol** 34(4):407–10, Dec 78 (Eng. Abstr.) **(Spa)**

CHEMICAL SYNTHESIS

Testosterone and 17-methyltestosterone from hyodeoxycholic acid. Bharucha KR. **Steroids** 32(5):589–606, Dec 78

IMMUNOLOGY

Modification of murine lupus by sex hormones. Melez KA, et al. **Ann Immunol (Paris)** 129 C(5):707–14, Jul–Sep 78

Serum LH and FSH following passive immunization against circulating testosterone in the intact male rat and in orchidectomized rats bearing subcutaneous silastic implants of testosterone. Gay VL, et al. **Arch Androl** 1(3):257–66, May 78

Morphological changes in the rabbit ovary after active immunization to testosterone. Armstrong RW, et al. **Cell Tissue Res** 193(3):533–42, 30 Oct 78

METABOLISM

Steroid levels in the serum and seminal plasma during clomiphene therapy in hypofertile men. Sas M, et al. **Acta Med Acad Sci Hung** 35(2):159–65, 1978

The influence of aging on androgen dynamics in the male rat. Robinette CL, et al. **Arch Biochem Biophys** 191(2):503–16, Dec 78

The effect of unilateral castration on plasma and testicular testosterone in rabbits from birth to 60 days. Berger M, et al. **Arch Int Physiol Biochim** 86(4):799–808, Oct 78

Androgen receptor in the rat brain--assays and properties. Chamness GC, et al. **Brain Res** 161(2):267–76, 2 Feb 79

Metabolic responses of Sertoli cells in culture to various concentrations of follicle stimulating hormone and cholera toxin. Fritz IB, et al. **Can J Biochem** 56(9):875–9, Sep 78

Influence of weathered crude oil on liver enzyme metabolism of testosterone in gulls. McEwan EH, et al. **Can J Zool** 56(9):1922–4, Sep 78

Pituitary and placental gonadotrophins and sex steroids in the human and sub-human primate fetus. Kaplan SL, et al. **Clin Endocrinol Metab** 7(3):487–511, Nov 78 (114 ref.)

The growth and viability of human prostatic tissue maintained in immunosuppressed mice. Williams G, et al. **Clin Oncol** 4(4):347–51, Dec 78

Observations on the determination of fetal sex in early pregnancy. Zondek LH, et al. **Contrib Gynecol Obstet** 5:91–108, 1979 (70 ref.)

Danazol binding to rat androgen, glucocorticoid, progesterone, and estrogen receptors: correlation with biologic activity. Barbieri RL, et al. **Fertil Steril** 31(2):182–6, Feb 79

Uptake of [3H]testosterone in several organs of the male viviparous lizard (Lacerta vivipara Jacquin) and selective retention by the epididymis. Dufaure JP, et al. **Gen Comp Endocrinol** 36(1):23–9, Sep 78

Improvement in the fertility of streptozotocin-diabetic male rats following treatment with insulin and human chrionic

gonadotropin. Paz G, et al. **Isr J Med Sci** 14(10):1073–8, Oct 78

Cellular regulation of the metabolism of androgens in rat oral mucosa. II. Product activation of 17 beta-hydroxysteroid oxidoreductase enzyme system. Vittek J, et al. **J Dent Res** 58(2):638–41, Feb 79

Cellular regulation of the metabolism of androgens in rat oral mucosa. III. Activation of delta 4–3–ketosteroid–5alpha–A ring reductase enzyme system by 5,5–diphenylhydantoin. Vittek J, et al. **J Dent Res** 58(2):642–5, Feb 79

Effects of pesticides on metabolism of steroid hormone by rodent liver microsomes. Donovan MP, et al. **J Environ Pathol Toxicol** 2(2):447–54, Nov–Dec 78

The facilitated diffusion of testosterone into the rete testis of the ram [proceedings] Main SJ, et al. **J Physiol (Lond)** 284:17P–18P, Nov 78

Primary and transplantable adenocarcinomas of the A times C rat ventral prostate gland: morphologic characterization and examination of C19–steroid metabolism by early–passage tumors. Shain SA, et al. **JNCI** 62(2):313–22, Feb 79

Alterations of peripheral testosterone matabolism after induced hypoprolactinemia in patients with prostatic carcinoma. Jacobi GH, et al. **Klin Wochenschr** 57(1):49–51, 1 Jan 79

The effect of alcohol ingestion on hepatic aromatase activity and plasma steroid hormones in the rat. Gordon GG, et al. **Metabolism** 28(1):20–4, Jan 79

Human chorionic gonadotropin–induced Leydig cell refractoriness to gonadotropin stimulation. Saez JM, et al. **Mol Pharmacol** 14(6):1054–62, Nov 78

Androgen target cells in the bursa of Fabricius of the chick embryo: autoradiographic localization. Gasc JM, et al. **Proc Soc Exp Biol Med** 160(1):55–8, Jan 79

Detection of androgen and estrogen receptors in human prostatic carcinoma and hyperplasia by fluorescence microscopy. Pertschuk LP, et al. **Res Commun Chem Pathol Pharmacol** 22(2):427–30, Nov 78

Gonadotropin receptors and regulation of steroidogenesis in the testis and ovary. Dufau ML, et al. **Vitam Horm** 36:461–592, 1978 (269 ref.)

[Clinical monitoring for steroid metabolism of the fetoplacental unit.–II. Maternal blood testosterone and 17 B–estradiol levels in physiological and pathological pregnancies (author's transl)] Sorfová J, et al. **Cesk Gynekol** 43(10):771–5, Nov 78 (Eng. Abstr.) **(Cze)**

[Experimental study on the pathogenesis of prostatic adenoma] Jacobi GH, et al. **J Urol Nephrol (Paris)** 83 Suppl 2:507–13, 1977 **(Fre)**

[Effect of early social deprivation and lack of sexual experience on sexual maturation of male mice (author's transl)] Jean–Faucher C, et al. **Physiol Behav** 21(4):491–6, Oct 78 (Eng. Abstr.) **(Fre)**

[Iron storage disorders] Strohmeyer G. **Haematol Bluttransfus** 21:163–70, 1978 (16 ref.) **(Ger)**

[Endocrinologic studies on the syndrome of the XX–male] Schweikert HU, et al. **Verh Dtsch Ges Inn Med** (84):1416–9, 1978 **(Ger)**

PHARMACODYNAMICS

Effects of testosterone enanthate on the structure of the male reproductive tract of the rat. Flickinger C. **Anat Rec** 192(4):555–84, Dec 78

Testosterone and UVL–B stimulation of epidermal melanocytes in rat scrotal skin. Glimcher MD, et al. **Anat Rec** 193(1):43–53, Jan 79

Effect of dexamethasone and testosterone propionate on LH response to gonadoliberin (LRH) in young post–pubertal bulls. Chantaraprateep P, et al. **Andrologia** 11(1):25–32, Jan 79

Endocrinological and physiological features after steroid treatment of male rats. Hunt DM, et al. **Arch Androl** 1(4):311–20, Sep 78

Effects of hormone manipulations and exploration on sex differences in maze learning. Joseph R, et al. **Behav Biol** 24(3):364–77, Nov 78

Gonadal testosterone and perineal sniffing behavior of the male rat. Thor DH. **Behav Biol** 24(2):256–64, Oct 78

Segregation of genetic determinants for murine glucuronidase synthesis and loss in CXB recombinant–inbred strains. Watson G, et al. **Biochem Genet** 16(9–10):897–903, Oct 78

Acute effect of estradiol on the renal vitamin D hydroxylases in Japanese quail. Baksi SN, et al. **Biochem Pharmacol** 27(24):2765–8, 1978

Effect of medroxyprogesterone acetate and testosterone on solubilized RNA polymerases and chromatin template activity in kidney from normal and androgen–insensitive (Tfm/Y) mice. Lin YC, et al. **Biochemistry** 17(22):4833–8, 31 Oct 78

Effects of testosterone on the testes of sexually quiescent pheasants: evidence for a negative feedback mechanism. Purohit VD, et al. **Br Poult Sci** 19(6):709–12, Nov 78

Modification of nuclear retention of [3H]estradiol by cells of the hypothalamus as a function of early hormone experience. DeBold JF. **Brain Res** 159(2):416–20, 29 Dec 78

Effect of testosterone therapy on bone formation in an osteoporotic hypogonadal male. Baran DT, et al. **Calcif Tissue Res** 26(2):103–6, 8 Dec 78

Effects of testosterone on sequence complexity of polyadenylated RNA from rat seminal vesicle. Higgins SJ, et al. **Eur J Biochem** 91(2):327–34, 15 Nov 78

RNA metabolism in an androgen–responsive mouse mammary carcinoma, Shionogi 115, in culture. Jagus R. **Exp Cell Res** 118(1):115–25, Jan 79

Age–dependent response of lactate dehydrogenase of pituitary of rat to testosterone. Giri KV, et al. **Experientia** 34(10):1270–1, 15 Oct 78

Effect of actinomycin D or puromycin on microsomal testosterone hydroxylase activity enhanced by testosterone in female rat liver. Sato N, et al. **Experientia** 34(10):1375–6, 15 Oct 78

Role of testosterone in the development of radiation–induced prostate carcinoma in rats. Takizawa S, et al. **Gan** 69(5):723–6, Oct 78

Effects of sex steroids on plasma calcium levels in male killifish, Fundulus heteroclitus. Pang PK, et al. **Gen Comp Endocrinol** 36(2):317–20, Oct 78

Effects of follicle–stimulating hormone and testosterone on receptors of follicle–stimulating hormone in the testis of the immature Japanese quail. Tsutsui K, et al. **Gen Comp Endocrinol** 36(2):297–305, Oct 78

Regulation of mouse major urinary protein production by the Mup–A gene. Szoka PR, et al. **Genetics** 90(3):597–612, Nov 78

In vivo effect of androgen and cycloheximide on the RNA synthesis in isolated nuclei of rat ventral prostates. Hosoya T, et al. **J Biochem (Tokyo)** 84(6):1519–28, Dec 78

Cellular regulation of the metabolism of androgens in rat oral mucosa. II. Product activation of 17 beta–hydroxysteroid oxidoreductase enzyme system. Vittek J, et al. **J Dent Res** 58(2):638–41, Feb 79

Possible neonatal imprinting of luteinizing hormone feedback by testosterone in male rats. Beraud G, et al. **J Endocrinol** 79(2):241–2, Nov 78

Hormonal regulation of 5alpha–reductase activity in rat epididymis. de Larminat MA, et al. **J Endocrinol** 79(2):157–65, Nov 78

Steroidal control of the release of the preovulatory surge of luteinizing hormone in the rat. Wilson CA, et al. **J Endocrinol** 79(2):223–34, Nov 78

Effect of methylprednisolone and polymyxin B sulfate on endotoxin–induced inhibition of human neutrophil chemotaxis. Issekutz AC, et al. **J Lab Clin Med** 92(6):873–82, Dec 78

Requirement of the pituitary gland for gonadal hormone effects on hepatic drug metabolism in rats. Kramer RE, et al. **J Pharmacol Exp Ther** 208(1):19–23, Jan 79

The in vitro and in vivo effects of testosterone and steroid metabolites on erythroid colony forming cells (CFU–E). Modder B, et al. **J Pharmacol Exp Ther** 207(3):1004–12, Dec 78

Testosterone–induced focal myocarditis in rats. I. Morphological and biochemical studies with special reference to pathogenetical mechanism and species differences. Imai K, et al. **J Toxicol Sci** 3(3):215–28, Aug 78

Testosterone–indued focal myocarditis in rats. II. Morphological and biochemical observations of the adrenal in relation to the pathogenetical mechanism of cardiac lesions. Imai K, et al. **J Toxicol Sci** 3(3):229–41, Aug 78

Roles of growth hormone and testosterone in the synthesis of mouse kidney glucuronidase. Swank RT. **Mol Cell Endocrinol** 12(2):139–49, Nov 78

Effect of several androgens, cyproterone acetate or estrogen–progesterone on the prolactin–releasing activity of arginine vasotocin in castrated male rats. Vaughan MK, et al. **Mol Cell Endocrinol** 12(3):309–18, Dec 78

Serum erythropoictin concentration in anephric patients. Radtke HW, et al. **Nephron** 22(4–6):361–5, 1978

Effects of testosterone and orchiectomy on the development of gonadotrophs in neonatal rats with hypophysial stalk section. Daikoku S, et al. **Neuroendocrinology** 27(3–4):148–59, 1978

Serotonin in hypothalamic nuclei: increased content after castration of male rats. van de Kar L, et al. **Neuroendocrinology** 27(3–4):186–92, 1978

Suppression of 3H–thymidine incorporation into PHA–stimulated lymphocytes by testosterone. Nagayama Y, et al. **Nippon Ketsueki Gakkai Zasshi** 41(1):11–6, Feb

78

Effects of p-chloroamphetamine and 5,7-dihydroxytryptamine on the sexual behavior of gonadectomized male and female rats. Södersten P, et al. **Pharmacol Biochem Behav** 9(4):499-508, Oct 78

Sex-related differences in biotransformation of aniline hydroxylase in Sprague-Dawley rats. Pence DH, et al. **Pharmacology** 18(1):52-6, 1979

Steroidal derivatives. Part 1: some novel steroidal thiosemicarbazones. Their synthesis, anticancer and endocrinological activities. Mohsen A, et al. **Pharmazie** 33(9):577-80, Sep 78

The interaction of photoperiod and testosterone on the development of copulatory behavior in castrated male hamsters. Campbell CS, et al. **Physiol Behav** 21(3):409-15, Sep 78

Manipulation of female growth and efficiency of food utilization. 3. Comparison of the effects of perinatal testosterone and oestradiol on the subsequent growth of female rats [proceedings] Perry BN, et al. **Proc Nutr Soc** 37(3):110A, Dec 78

Manipulation of female growth and efficiency of food utilization. I. The effects of perinatal testosterone propionate, ovariectomy at 21 d and long-acting testosterone esters from 36 to 38 d of age [proceedings] Perry BN, et al. **Proc Nutr Soc** 37(3):108A, Dec 78

Androgen target cells in the bursa of Fabricius of the chick embryo: autoradiographic localization. Gasc JM, et al. **Proc Soc Exp Biol Med** 160(1):55-8, Jan 79

High dosage of testosterone propionate increases litter production of the genetically obese male Zucker rat (40362). Hemmes RB, et al. **Proc Soc Exp Biol Med** 159(3):424-7, Dec 78

A regulatory locus for mouse beta-glucuronidase induction, Gur, controls messenger RNA activity. Paigen K, et al. **Science** 203(4380):554-6, Feb 79

[Enzymatic activity in the uterine musculature of rats after castration and testosterone treatment] Zherev S, et al. **Eksp Med Morfol** 17(4):187-90, 1978 (Eng. Abstr.) **(Bul)**

[Action of the testosterone treated chicken testis on the regression of the Müllerian duct] Maraud R, et al. **C R Soc Biol (Paris)** 172(3):446-9, 1978 (Eng. Abstr.) **(Fre)**

[Inhibition of rat liver delta 4-3-ketosteroid-5 alpha-reductase by steroids in vitro] Schubert K, et al. **Endokrinologie** 72(2):141-8, May 78 (Eng. Abstr.) **(Ger)**

[High sexual selectivity of hydrazine derivatives potentiating the antitumor effect of cytostatics] Tret'iakov AV. **Dokl Akad Nauk SSSR** 243(2):537-9, 1978 **(Rus)**

PHYSIOLOGY

Cyclic changes in antral fluid hormone concentrations in humans. McNatty KP. **Clin Endocrinol Metab** 7(3):577-600, Nov 78

Annual androgen rhythm in the spiny-tailed lizard, Uromastix hardwicki. Arslan M, et al. **Gen Comp Endocrinol** 36(1):16-22, Sep 78

Possible neonatal imprinting of luteinizing hormone feedback by testosterone in male rats. Beraud G, et al. **J Endocrinol** 79(2):241-2, Nov 78

SECRETION

Feminization of the alcoholic: the estrogen/testosterone ratio (E/T) [editorial] Lester R, et al. **Gastroenterology** 76(2):415-7, Feb 79

Age-related changes in reproductive hormones and in Leydig cell responsivity in the male Fischer 344 rat. Bethea CL, et al. **J Gerontol** 34(1):21-7, Jan 79

Endocrine evaluation of the infertile male. Snyder PJ. **Urol Clin North Am** 5(3):451-62, Oct 78

[Effect of ductus deferens transsection on the spermatogenic and hormonal function of the testicles] Pachman A. **Wiad Lek** 31(23):1689-91, 1 Dec 78 **(Pol)**

[Production of estradiol and testosterone in the human ovary during the normal cycle (studied by direct catheterization of the ovarian veins)] Vaticón MD, et al. **Acta Ginecol (Madr)** 33(6):215-24, 15 Oct 78 **(Spa)**

[Hypophyso-gonadal function in infancy. From newborn to puberty (author's transl)] Ruiz E, et al. **Rev Esp Fisiol** 34(4):407-10, Dec 78 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Modification of murine lupus by sex hormones. Melez KA, et al. **Ann Immunol (Paris)** 129 C(5):707-14, Jul-Sep 78

Male genital defects in patterns of malformation. Smith DW. **Birth Defects** 14(6C):57-61, 1978

Effect of testosterone therapy on bone formation in an osteoporotic hypogonadal male. Baran DT, et al. **Calcif Tissue Res** 26(2):103-6, 8 Dec 78

Evaluation and management of diseases of the vulva: therapeutic principles and techniques. Friedrich EG Jr. **Clin Obstet Gynecol** 21(4):973-89, Dec 78

Vulvar dystrophies. Kaufman RH, et al. **Clin Obstet Gynecol** 21(4):1081-106, Dec 78

Effect of testosterone application on hormone concentrations of androgens and estrogens in male patients with cirrhosis of the liver. Kley HK, et al. **Gastroenterology** 76(2):235-41, Feb 79

Hematologic complications of chronic renal failure. Fried W. **Med Clin North Am** 62(6):1363-79, Nov 78 (127 ref.)

Estrogen and alternative therapy of the menopausal patient. Lichten EM. **Primary Care** 5(4):607-14, Dec 78

[Conservative treatment of infection and tumor anemia] Kubanek B. **Dtsch Med Wochenschr** 104(7):238-40, 16 Feb 79 **(Ger)**

[The cortisol and testosterone substitution in patients with adrenal insufficiency and hypogonadism] Nickelsen T, et al. **Verh Dtsch Ges Inn Med** (84):1448-53, 1978 **(Ger)**

URINE

[Mechanism of a decrease in urinary testosterone excretion in chronic fluoride poisoning] Tokar' VI, et al. **Gig Tr Prof Zabol** (1):37-9, 1979 **(Rus)**

FERTILITY AGENTS, FEMALE, HORMONAL

(Reproductive problems in cattle raising in relation to an increase in its productivity and efficiency) Bratanov K, et al. **Vet Med Nauki** 15(5):3-8, 1978

IV. Related Topics

CASTRATION

Regulation by sex hormones of immunoglobulins in rat uterine and vaginal secretions. Wira CR, et al. **Adv Exp Med Biol** 107:531–9, 1978

Autocastration in transsexualism. Haberman MA, et al. **Am J Psychiatry** 136(3):347–8, Mar 79

The effects of 5alpha-reduced androgens on maintenance and regeneration of prostate glands and seminal vesicles in castrated and hypophysectomized rats. Ahmad N, et al. **Anat Rec** 192(4):543–54, Dec 78

Serum LH and FSH following passive immunization against circulating testosterone in the intact male rat and in orchidectomized rats bearing subcutaneous silastic implants of testosterone. Gay VL, et al. **Arch Androl** 1(3):257–66, May 78

The effect of unilateral castration on plasma and testicular testosterone in rabbits from birth to 60 days. Berger M, et al. **Arch Int Physiol Biochim** 86(4):799–808, Oct 78

Clinical features and plasma hormone levels after surgical menopause. Dennerstein L, et al. **Aust NZ J Obstet Gynaecol** 18(3):202–5, Aug 78

The effect of oestradiol valerate therapy on coagulation factors and lipid and oestrogen levels in oöphorectomised women. Saunders DM, et al. **Aust NZ J Obstet Gynaecol** 18(3):198–201, Aug 78

Gonadal testosterone and perineal sniffing behavior of the male rat. Thor DH. **Behav Biol** 24(2):256–64, Oct 78

Blockade of dopamine (DA) receptors with pimozide and pituitary hormone release in response to intraventricular injection of gamma-aminobutyric acid (GABA) in conscious ovariectomized rats. Vijayan E, et al. **Brain Res** 162(1):69–76, 16 Feb 79

The place of surgery in the treatment of ovarian cancer. Hudson CN. **Clin Obstet Gynaecol** 5(3):695–708, Dec 78

Spontaneous breast development in an adolescent girl with testicular feminization after castration in early childhood. Andler W, et al. **J Pediatr** 94(2):304–5, Feb 79

Changes in pituitary oxytocin and vasopressin during the estrous cycle and after ovarian hormones: evidence for mediation by norepinephrine. Crowley WR, et al. **Life Sci** 23(26):2579–85, 25 Dec 78

A characterization of the effects of pentobarbital on episodic LH release in ovariectomized rats. Arendash GW, et al. **Neuroendocrinology** 27(5–6):204–15, 1978

Effect of pentobarbital on serum levels of LH, FSH and prolactin in long-term ovariectomized rats. Borrell J, et al. **Neuroendocrinology** 27(5–6):239–46, 1978

Serotonin in hypothalamic nuclei: increased content after castration of male rats. van de Kar L, et al. **Neuroendocrinology** 27(3–4):186–92, 1978

The interaction of photoperiod and testosterone on the development of copulatory behavior in castrated male hamsters. Campbell CS, et al. **Physiol Behav** 21(3):409–15, Sep 78

Attack directed by groups of castrated male mice towards lactating or non-lactating intruders: a urine-dependent phenomenon? Haug M, et al. **Physiol Behav** 21(4):549–52, Oct 78

Implication of the estrous cycle on conditioned avoidance behavior in the rat. Sfikakis A, et al. **Physiol Behav** 21(3):441–6, Sep 78

The effect of ovarian sex steroids on bone mineral status in the oöphorectomized rat and in the human. Lindsay R, et al. **Postgrad Med J** 54(2):50–8, 1978

Plasma hormone profiles after the menopause and bilateral oöphorectomy. Studd JW, et al. **Postgrad Med J** 54(2):25–30, 1978

ADVERSE EFFECTS

The effect of ovarian sex steroids on bone mineral status in the oöphorectomized rat and in the human. Lindsay R, et al. **Postgrad Med J** 54(2):50–8, 1978

METHODS

[Castration of the stallion] Wriedt WD, et al. **Berl Muench Tieraerztl Wochenschr** 92(3):41–2, 1978 **(Ger)**

VETERINARY

[Castration of the stallion] Wriedt WD, et al. **Berl Muench Tieraerztl Wochenschr** 92(3):41–2, 1978 **(Ger)**

ESTRUS

Significant hormonal changes in patterns of lipid granules in vaginal exfoliated cells. Maillet M, et al. **Acta Cytol (Baltimore)** 22(6):479–82, Nov–Dec 78

Regulation by sex hormones of immunoglobulins in rat uterine and vaginal secretions. Wira CR, et al. **Adv Exp Med Biol** 107:531–9, 1978

Possible relations between the secretory cycle of the neurosecretory cells in the rat paraventricular nucleus and the estrous cycle. Yukitake Y. **Arch Histol Jpn** 41(5):471–82, Nov 78

Electroconvulsive shock and the estrous cycle in the rat. Milner JS, et al. **Behav Biol** 24(2):279–83, Oct 78

The interaction of behavior and reproductive cycles in patas monkeys. Rowell TE, et al. **Behav Biol** 24(2):141–67, Oct 78

The oestrogen receptor in the rat uterus in relation to intra-uterine devices and the oestrous cycle. Myatt L, et al. **Biochem J** 176(2):523–9, 15 Nov 78

Modification of the oestrous cycle by urinary proteins of male mice. Marchlewska-Koj A, et al. **Folia Biol (Krakow)** 26(4):311–4, 1978

Effect of different antiestrogen on glycogen breakdown of cycling rat uterus during estrous & proestrous phases. Guin AK, et al. **Indian J Biochem Biophys** 15(4):319–22, Aug 78

Laparoscopy in zoological medicine. Bush M, et al. **J Am Vet Med Assoc** 173(9):1081–7, 1 Nov 78

The role of the vaginal smear in the detection of metoestrus and anoestrus in the bitch. Dore MA. **J Small Anim Pract** 19(10):561–72, Oct 78

Changes in pituitary oxytocin and vasopressin during the estrous cycle and after ovarian hormones: evidence for mediation by norepinephrine. Crowley WR, et al. **Life Sci** 23(26):2579–85, 25 Dec 78

Effects of adrenalectomy and constant light on the rat estrous cycle. Hoffmann JC. **Neuroendocrinology** 27(5–6):247–56, 1978

Reanalysis of the preoptic afferents and efferents involved in the surge of LH, FSH and prolactin release in the proestrous rat. Kimura F, et al. **Neuroendocrinology** 27(1–2):74–85, 1978

Induction of persistent estrus by constant light: effects of neonatal constant light and Harderian gland function. Shirama K. **Neuroendocrinology** 27(5–6):193–203, 1978

Sodium 'need' and sodium appetite during the estrous cycle of sheep. Michell AR. **Physiol Behav** 21(4):519–23, Oct 78

Implication of the estrous cycle on conditioned avoidance behavior in the rat. Sfikakis A, et al. **Physiol Behav** 21(3):441–6, Sep 78

Sex pheromone in the dog. Goodwin M, et al. **Science** 203(4380):559–61, Feb 79

The oestrous cycle of the camel (Camelus dromedarius). Musa BE, et al. **Vet Rec** 103(25):556–7, 16 Dec 78

DRUG EFFECTS

The effects of some dopamine-beta-hydroxylase inhibitors on the control mechanisms of the estrous cycle in rats. Kun I. **Endocrinologie** 16(4):263–8, Oct–Dec 78

Electrical stimulation of the hypothalamus: new observations on the parameters necessary for ovulation in rats anaesthetised with pentobarbitone during the pro-oestrous 'critical period'. Dyer RG, et al. **Exp Brain Res** 33(3–4):583–92, 15 Nov 78

[Control of the luteolytic effect of a new prostaglandin F2 alpha-analogue during the treatment of anestrous and dyscyclic mares under continual measurement of the progesterone level in the blood plasma (author's transl)] Enbergs H, et al. **Zuchthygiene** 13(4):152–60, Dec 78 (Eng. Abstr.) **(Ger)**

FEMINIZATION

ETIOLOGY

Feminization of the alcoholic: the estrogen/testosterone ratio (E/T) [editorial] Lester R, et al. **Gastroenterology** 76(2):415–7, Feb 79

METABOLISM

Feminization of the alcoholic: the estrogen/testosterone ratio (E/T) [editorial] Lester R, et al. **Gastroenterology** 76(2):415–7, Feb 79

PHYSIOPATHOLOGY

Cytotoxic activity of 1-(o-chlorophenyl)-1-(p-chlorophenyl)-2,2-dichloroethan (mitotane) and its analogs on feminizing adrenal neoplastic cells in culture. Fang VS. **Cancer Res** 39(1):139–45, Jan 79

Feminization of the alcoholic: the estrogen/testosterone ratio (E/T) [editorial] Lester R, et al. **Gastroenterology** 76(2):415–7, Feb 79

OVULATION

Hormonal control of oocyte meiosis, ovulation and luteinization in mammals. Channing CP, et al. **Clin Endocrinol Metab** 7(3):601–24, Nov 78 (156 ref.)

Hormonal correlates of normal and abnormal follicle growth after puberty in humans and other primates. Ross GT, et al. **Clin Endocrinol Metab** 7(3):561–75, Nov 78

Intrafollicular pressure within preovulatory follicles of the pig. Bronson RA, et al. **Fertil Steril** 31(2):205–13, Feb 79

Female sexual activity at ovulation [letter] **N Engl J Med** 300(11):626–7, 15 Mar 79

Reanalysis of the preoptic afferents and efferents involved in the surge of LH, FSH and prolactin release in the proestrous rat. Kimura F, et al. **Neuroendocrinology** 27(1–2):74–85, 1978

Techniques of surgical and non-surgical ova collection of superovulated cows. Baker AA, et al. **Vet Rec** 103(25):558–62, 16 Dec 78

The oestrous cycle of the camel (Camelus dromedarius). Musa BE, et al. **Vet Rec** 103(25):556–7, 16 Dec 78

[Appraisal of clinical chemical parameters in women based on dependence on the length of the period and of ovulation inhibitors] Stolze G, et al. **Dtsch Gesundheitsw** 33(50):2367–73, 1978 **(Ger)**

[Measurement of LH in urine by HI-gonavis test for the predetermination of ovulation (author's transl)] Brandau H. **Geburtshilfe Frauenheilkd** 38(12):1047–51, Dec 78 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

An antiovulatory decapeptide of higher potency which has an L-amino acid (Ac-Pro) in position 1. Humphries J, et al. **Biochem Biophys Res Commun** 85(2):709–13, 29 Nov 78

Occurrence of ovulation in women receiving the injectable contraceptive norethisterone oenanthate. Fotherby K, et al. **Contraception** 18(5):535–42, Nov 78

The effects of some dopamine-beta-hydroxylase inhibitors on the control mechanisms of the estrous cycle in rats. Kun I. **Endocrinologie** 16(4):263–8, Oct–Dec 78

Electrical stimulation of the hypothalamus: new observations on the parameters necessary for ovulation in rats anaesthetised with pentobarbitone during the pro-oestrous 'critical period'. Dyer RG, et al. **Exp Brain Res** 33(3–4):583–92, 15 Nov 78

In vitro reversal of indomethacin-blocked ovulation by prostaglandin F2alpha. Hamada Y, et al. **Fertil Steril** 30(6):702–6, Dec 78

Vaginal progesterone for contraception. Victor A, et al. **Fertil Steril** 30(6):631–5, Dec 78

Effect of different antiestrogen on glycogen breakdown of cycling rat uterus during estrous & proestrous phases. Guin AK, et al. **Indian J Biochem Biophys** 15(4):319–22, Aug 78

Correlation between antiestrogenic and antiovulatory activity of some newer substituted coumarins. Agrawal AK, et al. **Res Commun Chem Pathol Pharmacol** 22(3):625–8, Dec 78

[Determination of the ovulation time in prepuberal sows pretreated with gonadotropins] Polanco A, et al. **Zentralbl Veterinaermed** [A] 25(8):608–16, Oct 78 (Eng. Abstr.) **(Ger)**

OVULATION INDUCTION

Cytogenetic and endocrine studies in a 45,X female subject with spontaneous sexual development. Lisker R, et al. **Am J Obstet Gynecol** 133(2):149–53, 15 Jan 79

Hormonal correlates of normal and abnormal follicle growth after puberty in humans and other primates. Ross GT, et al. **Clin Endocrinol Metab** 7(3):561–75, Nov 78

Scientific papers to be presented at the thirty-fifth annual meeting of the American Fertility Society, February 5 to 7, 1979. San Francisco, California. **Fertil Steril** 30(6 Suppl):729–56, Dec 78

Combined tubal and multiple intrauterine pregnancies following ovulation induction. Eckshtein N, et al. **Fertil Steril** 30(6):707–9, Dec 78

Monitoring of ovulation induction. Wu CH. **Fertil Steril** 30(6):617–30, Dec 78

Female fertility status and clomiphene regulated ovulation for donor artificial insemination. Rajan R. **J Indian Med Assoc** 71(2):33–6, 16 Jul 78

Oral contraceptive use and secondary amenorrhea. Kissi M, et al. **Obstet Gynecol** 53(2):241–4, Feb 79

Ovulation induction in amenorrheic women. March CM, et al. **Obstet Gynecol** 53(1):8–11, Jan 79

[Multiple pregnancies after ovulation induction (interview)] Cohen J. **Concours Med** 101(2):232–4, 13 Jan 79 **(Fre)**

[The outlook and the quality of pregnancies resulting from treatment with clomiphene citrate and chorionic gonadotrophin. 53 consecutive cases (author's transl)] Senez P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(5):987–90, May-Jun 78 (Eng. Abstr.) **(Fre)**

VETERINARY

Effects of intrafollicular administration of gonadotropins in two species of nonhuman primates using laparoscopy. Rawson JM, et al. **J Med Primatol** 7(4):223–7, 1978

PUBERTY

Changes in the plasma levels of androstenedione, dehydroepiandrosterone and cortisol after stimulation with ACTH and hCG and suppression with dexamethasone during male puberty. Herrera-Justiniano E, et al. **Acta Endocrinol (Copenh)** 90(1):113–21, Jan 79

Plasma testosterone in male puberty. II. hCG stimulation test in boys with hypospadia. Knorr D, et al. **Acta Endocrinol (Copenh)** 90(2):365–71, Feb 79

Borderline adolescent girls in rebellion against the father. Cooper BM, et al. **Adolesc Psychiatry** 6:396–408, 1978

Psychosexual developmental tasks imposed by pathologically delayed childhood: a cultural dilemma. Gadpaille WJ. **Adolesc Psychiatry** 6:136–55, 1978

The borderline aspects of adolescence and the borderline state. Giovacchini PL. **Adolesc Psychiatry** 6:320–38, 1978

A review of Freud's writings on adolescence. Klumpner GH. **Adolesc Psychiatry** 6:59–74, 1978

Early adolescence: its psychology, psychopathology, and implications for therapy. Miller D. **Adolesc Psychiatry** 6:434–47, 1978

Carpal radiographs in orthodontic treatment. Grave KC, et al. **Am J Orthod** 75(1):27–45, Jan 79

Fine structure and development of Sertoli junctions in human testis. Furuya S, et al. **Arch Androl** 1(3):211–9, May 78

Gonadal testosterone and perineal sniffing behavior of the male rat. Thor DH. **Behav Biol** 24(2):256–64, Oct 78

Follicular growth in fetal and prepubertal ovaries of humans and other primates. Peters H, et al. **Clin Endocrinol Metab** 7(3):469–85, Nov 78 (72 ref.)

Hormonal correlates of normal and abnormal follicle growth after puberty in humans and other primates. Ross GT, et al. **Clin Endocrinol Metab** 7(3):561–75, Nov 78

Gonadotrophins and steroid hormones in the blood and urine of prepubertal girls and other primates. Winter JS, et al. **Clin Endocrinol Metab** 7(3):513–30, Nov 78 (74 ref.)

Physiologic correlates of puberty. Nelson RM. **Clin Obstet Gynecol** 21(4):1137–49, Dec 78

Relations between accelerated sexual maturation and menstrual disorders. Boga C. **Endocrinologie** 16(4):291–4, Oct–Dec 78

Rheumatoid arthritis and growth retardation in children: treatment with human growth hormone. Butenandt O. **Eur J Pediatr** 130(1):15–28, 18 Jan 79

Fundamental frequency change in pre- and postadolescent deaf males and females. Schneiderman CR, et al. **J Am Audiol Soc** 4(2):64–8, Sep-Oct 78

An ethological view of human adolescence. Weisfeld GE. **J Nerv Ment Dis** 167(1):38–55, Jan 79

Measurement of growth in children with renal insufficiency. Potter DE, et al. **Kidney Int** 14(4):378–82, Oct 78 (16 ref.)

Regulation of feeding behavior in the prepubertal female rat. Sieck GC, et al. **Physiol Behav** 21(5):727–33, Nov 78

Weight and circadian luteinizing hormone secretory pattern in anorexia nervosa. Katz JL, et al. **Psychosom Med** 40(7):549–67, Nov 78

A comparative study of gonial angle and growth of the lower third molar in cleft lip and palate. An orthopantomographical study. Ranta R, et al. **Scand J Plast Reconstr Surg** 12(3):273–8, 1978

[Childhood and prepuberal schizophrenia] Schenck K. **Fortschr Med** 97(1):10–4, 4 Jan 79 **(Ger)**

[Sclerous and atrophic lichen of the penis in prepubertal boys] Jänner M, et al. **Z Hautkr** 53(24):923–8, 15 Dec 78 **(Ger)**

[Sexual development and constitutional factors in girls born prematurely] Benediktov II, et al. **Vopr Okhr Materin Det** 23(11):46–8, Nov 78 **(Rus)**

[Dysmorphophobic disorders (review of the literature)] Korkina MV, et al. **Zh Nevropatol Psikhiatr** 79(1):92–111, 1979 (117 ref.) **(Rus)**

[Clinical limits of schizoid psychopathy] Natalevich ES, et al. **Zh Nevropatol Psikhiatr** 79(1):60–4, 1979 (Eng. Abstr.) **(Rus)**

SEX CHROMATIN

The importance of pathology in prognosis and management of breast cancer. Rilke F, et al. **Semin Oncol** 5(4):360–72, Dec 78 (100 ref.)

[On the origin of islands and septa of the human placenta (author's transl)] Steininger H. **Arch Gynecol** 226(3):261–75, 30 Nov 78 (Eng. Abstr.) **(Ger)**

ANALYSIS

Subunit structure of Eutherian sperm chromatin. Wagner TE, et al. **Arch Androl** 1(1):31–41, 1978

Specific Y chromosome fluorescence in cells from hair roots. Rott HD. **Arch Dermatol Res** 263(3):343, 1 Dec 78

Sex chromatin counts in breast cancer [letter] Rosen PP. **JAMA** 241(7):695–6, 16 Feb 79

[Dermatoglyphic studies in primary and secondary hypogonadism] Tomov T, et al. **Vutr Boles** 17(6):62–6, 1978 (Eng. Abstr.) **(Bul)**

DRUG EFFECTS

Effect of synthetic and natural sex steroids on X-chromatin. Chakravarty A, et al. **Indian J Med Res** 68:785–9, Nov 78

METABOLISM

Cytochemical localization of cations in the testis of the Syrian hamster, utilizing potassium-pyroantimonate. Gravis CJ. **Am J Anat** 154(2):245–65, Feb 79

ULTRASTRUCTURE

Subunit structure of Eutherian sperm chromatin. Wagner TE, et al. **Arch Androl** 1(1):31–41, 1978

No evidence for chromosomal mosaicism in multiple tissues of 10 patients with 45, XO Turner syndrome. Burns JL, et al. **Clin Genet** 15(1):22–8, Jan 79

A true hermaphrodite dispermic chimera with 46,XX and 46,XY karyotypes. Fitzgerald PH, et al. **Clin Genet** 15(1):89–96, Jan 79

Sex determination from plucked human hairs without epithelial root sheath. Nagamori H. **Forensic Sci** 12(3):167–73, 1978

Buccal smears and numerical sex chromosome anomalies. Close HG, et al. **S Afr Med J** 54(14):557–61, 30 Sep 78

[Data on the X-sex chromatin content and cytokaryometric characteristics of the cells of human amniotic fluid and of provisory and definitive organs] Brusilovskiĭ AI, et al. **Tsitol Genet** 12(6):524–9, Nov-Dec 78 (Eng. Abstr.)**(Rus)**

SEX CHROMOSOMES

Cytogenetic and endocrine studies in a 45,X female subject with spontaneous sexual development. Lisker R, et al. **Am J Obstet Gynecol** 133(2):149–53, 15 Jan 79

Sex dimorphism in adult stature in four Chilean populations. Valenzuela CY, et al. **Ann Hum Biol** 5(6):533–8, Nov 78

H-Y antigen in testes of XX(BALB)/XY (C3H) chimaeric male mouse. Ohno S, et al. **Arch Androl** 1(1):103–9, 1978

Specific Y chromosome fluorescence in cells from hair roots. Rott HD. **Arch Dermatol Res** 263(3):343, 1 Dec 78

Bilateral gonadoblastoma in a phenotypic female with 45,X/46,X, dicentric iso Y [45,X/46,X,idic(Yq)] mosaicism. King CR, et al. **Birth Defects** 14(6C):109–22, 1978

Follow-up on a human X-autosome translocation first studied in 1963 and 1964. Opitz JM, et al. **Birth Defects** 14(6C):365–75, 1978

The KOP translocation. Pallister PD, et al. **Birth Defects** 14(6C):133–46, 1978

True hermaphroditism: etiology and phenotypic considerations. Simpson JL. **Birth Defects** 14(6C):9–35, 1978 (188 ref.)

X-autosome translocations: a review. Summitt RL, et al. **Birth Defects** 14(6C):219–47, 1978 (60 ref.)

The location of highly repetitious DNA in the somatic chromosomes of Drosophila melanogaster. Perreault WJ, et al. **Chromosoma** 70(1):31–9, 21 Dec 78

A true hermaphrodite dispermic chimera with 46,XX and 46,XY karyotypes. Fitzgerald PH, et al. **Clin Genet** 15(1):89–96, Jan 79

Ketotic hypoglycemia in the Penta X and other chromosome imbalance syndromes. Moedjono S, et al. **Clin Genet** 14(6):367–9, Dec 78

Evidence for an association between univalent Y chromosomes and spermatocyte loss in XYY mice and men. Burgoyne PS. **Cytogenet Cell Genet** 23(1–2):84–9, 1979

Karyological confirmation of conspicuous ZW sex chromosomes in two species of Pacific anguilloid fishes (Anguilliformes: Teleostomi). Park EH, et al. **Cytogenet Cell Genet** 23(1–2):33–8, 1979

Reassessment of presumed Y/22 and Y/15 translocations in man using a new technique. Spowart G. **Cytogenet Cell Genet** 23(1–2):90–4, 1979

On the evolutionary stability of the female-biased sex ratio in the wood lemming (Myopus schisticolor): the effect of inbreeding. Smith JM, et al. **Heredity (Lond)** 41(2):205–14, Oct 78

Unusual in vivo rearrangements of the Y chromosome with mitotic instability in vitro. Fryns JP, et al. **Hum Genet** 44(3):349–55, 16 Nov 78

On the peripheral location of the Y chromosome. Kowalski CJ, et al. **Hum Genet** 44(2):123–35, 31 Oct 78

Recombinant chromosome as a result of pericentric inversion of X chromosome. Nikoliš J, et al. **Hum Genet** 45(2):115–22, 18 Dec 78

Partial deletion of the X chromosome in gonadal dysgenesis 46,X,del(X)(p22) identified by BudR treatment. Petrinelli P, et al. **Hum Genet** 45(3):351–4, 29 Dec 78

XO/XY mosaicism and non-fluorescing Y chromosome in a male. Richards BW, et al. **Hum Genet** 45(3):331–8, 29 Dec 78

Sex-linked retinitis pigmentosa: ultrastructure of photoreceptors and pigment epithelium. Szamier RB, et al. **Invest Ophthalmol Vis Sci** 18(2):145–60, Feb 79

Sexual determination of XX men. Noël B, et al. **J Genet Hum** 26(3):287–8, Sep 78

Mutant allele frequencies in domestic cat populations of six Soviet cities. Borodin PM, et al. **J Hered** 69(3):169–74, May-Jun 78

Congenital hereditary sex-linked retinoschisis. Prosperi L. **j Pediatr Opthalmol Strabismus** 15(1):26–30, Jan-Feb 78

A case of a reciprocal translocation between the Y and no. 1 chromosomes. Narahara K, et al. **Jinrui Idengaku Zasshi** 23(3):225–31, Sep 78

Absence of late-replicating X-chromosome in a female patient with acute myeloid leukemia and the 8;21 translocation. Levan G, et al. **JNCI** 62(2):273–5, Feb 79

XY gonadal dysgenesis [editorial] **Lancet** 1(8106):27, 6 Jan 79

Carrier detection in X-linked mental retardation [letter] Mulcahy MT. **Med J Aust** 2(10):489–90, 4 Nov 78

Carrier detection in X-linked mental retardation [letter] Sutherland GR. **Med J Aust** 2(14):624, 30 Dec 78

Dens evaginatus (tuberculated cusps): genetic and treatment considerations. Stewart RE, et al. **Oral Surg** 46(6):831–6, Dec 78

Hybridization properties of human X-chromosomal RNA transcripts from murine--human hybrids. Balazs I, et al. **Somatic Cell Genet** 4(6):617–31, Nov 78

[Non-fluorescent Y chromosome in a 45,X/46,XY mosaic (author's transl)] Kaluzewski B, et al. **J Genet Hum** 26(3):255–35, Sep 78 (Eng. Abstr.) **(Fre)**

[Chronic hepatitis in sex linked agammaglobulinemia. One case (author's transl)] Joliot AY, et al. **Nouv Presse Med** 7(36):3233–6, 21 Oct 78 (Eng. Abstr.) **(Fre)**

[Sex-linked hydrocephalus: anatomical study (author's transl)] Hanau J, et al. **Rev Neurol (Paris)** 134(6–7):437–42, Jun-Jul

78 (Eng. Abstr.) **(Fre)**

[A case of Ph1-positive chronic myelogenous leukemia with missing Y (author's transl)] Joshita Y, et al. **Rinsho Ketsueki** 19(12):1641-5, Dec 78 **(Jpn)**

[Hemolytic anemia with immune Xga antibodies in the blood and acquired IgM deficiency] Jelić S, et al. **Srp Arh Celok Lek** 106(1):57-62, 1978 (Eng. Abstr.) **(Scc)**

IMMUNOLOGY

Cross reactivity between hepatitis B surface antigen and a male-associated antigen. Drew JS, et al. **Birth Defects** 14(6A):91-101, 1978 (43 ref.)

Interference of anti-HLA antibodies in the mother with the sex ratio of the conceptus: possible existence of Y-dependent antigen linked to HL-A system. Carretti N. **Riv Ital Ginecol** 58(1-2):11-6, Jan-Apr 77

[H-Y antigen: aplications in human genetics] Moreira-Filho CA. **Rev Hosp Clin Fac Med Sao Paulo** 33(5):217-9, Oct 78 **(Por)**

PHYSIOLOGY

Chromosome polymorphism and sex determination in a wild population of tsetse. Maudlin I. **Nature** 277(5694):300-1, 22 Jan 79

ULTRASTRUCTURE

Isolabeling of the long arm of the human Y chromosome demonstrated by the FPG technique. Gibas Z, et al. **Chromosoma** 69(1):113-20, 20 Oct 78

Identification of the facultative heterochromatic X chromosome in females of 25 rodent species. Kanda N, et al. **Cytogenet Cell Genet** 23(1-2):12-22, 1979

Chromosome polymorphism and sex determination in a wild population of tsetse. Maudlin I. **Nature** 277(5694):300-1, 22 Jan 79

SEX DETERMINATION

Ambiguous genitals and the choice of gender. Kiss P, et al. **Acta Paediatr Acad Sci Hung** 19(3):191-8, 1978

Sex discriminatory effectiveness using combinations of root lengths and crown diameters. Garn SM, et al. **Am J Phys Anthropol** 50(1):115-8, Jan 78

Observations on the determination of fetal sex in early pregnancy. Zondek LH, et al. **Contrib Gynecol Obstet** 5:91-108, 1979 (70 ref.)

Sex determination from plucked human hairs without epithelial root sheath. Nagamori H. **Forensic Sci** 12(3):167-73, 1978

A simple technique for determining the sex of fish by radioimmunoassay using 11-ketotestosterone antiserum. Sangalang GB, et al. **Gen Comp Endocrinol** 36(2):187-93, Oct 78

Laparoscopy in zoological medicine. Bush M, et al. **J Am Vet Med Assoc** 173(9):1081-7, 1 Nov 78

Laparotomy technique for sex determination of psittacine birds. Ingram KA. **J Am Vet Med Assoc** 173(9):1244-6, 1 Nov 78

Sexual determination of XX men. Noël B, et al. **J Genet Hum** 26(3):287-8, Sep 78

Human genetics. Roberts KL. **Lamp** 35(11):4-8, Nov 78

Prevention of birth defects. **Med J Aust** 2(8):378-9, 382, 7 Oct 78

Guidelines for the ethical, social and legal issues in prenatal diagnosis. A report from the Genetics Research Group of the Hastings Center, Institute of Society, Ethics and the Life Sciences. **N Engl J Med** 300(4):168-72, 25 Jan 79

Prenatal genetic diagnosis in 3000 amniocenteses. Golbus MS, et al. **N Engl J Med** 300(4):157-63, 25 Jan 79

Chromosome polymorphism and sex determination in a wild population of tsetse. Maudlin I. **Nature** 277(5694):300-1, 22 Jan 79

[Antenatal diagnosis. A psychological study. I. The intervention of doctors in pregnancy (author's transl)] Fresco N, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(5):961-73, May-Jun 78 (Eng. Abstr.) **(Fre)**

[Case of ovarian tumor in a 10-year-old girl with gonadal dysgenesis, illustrating the need for evaluation of sexual development in the course of diagnostic procedures] Ordyniec J, et al. **Ginekol Pol** 49(9):801-3, Sep 78 (Eng. Abstr.) **(Pol)**

[H-Y antigen: aplications in human genetics] Moreira-Filho CA. **Rev Hosp Clin Fac Med Sao Paulo** 33(5):217-9, Oct 78 **(Por)**

[Forensic medical osteological studies in resolving the problems of cadaver identification and of the determination of the time of death (a review)] Rubezhanskiĭ AF, et al. **Sud Med Ekspert** 22(1):13-7, Jan-Feb 79 **(Rus)**

SEX REVERSAL, GONADAL

Technique of surgical sex reassignment for micropenis and allied conditions. Jones HW Jr, et al. **Am J Obstet Gynecol** 132(8):870-7, 15 Dec 78

True hermaphroditism: etiology and phenotypic considerations. Simpson JL. **Birth Defects** 14(6C):9-35, 1978 (188 ref.)

H-Y antigen and abnormal sex differentiation. Wachtel SS, et al. **Birth Defects** 14(6C):1-7, 1978 (19 ref.)

The surgery of developmental and congenital disorders in gynaecology. Williams EA. **Clin Obstet Gynaecol** 5(3):505-23, Dec 78

PLACENTA

I. *Physical and Functional Aspects*

PLACENTA

ANALYSIS

A study of morphometric features of placenta in relation to gestational age and weight of newborn. Tiwari TD, et al. **Indian Pediatr** 15(9):707–14, Sep 78

Radioimmunoassay of the insulin receptor: a new probe of receptor structure and function. Harrison LC, et al. **Science** 203(4380):544–7, Feb 79

[Collagen- and total-vitamin c-content of humanplacentae (author's transl)] Riemschneider R, et al. **Geburtshilfe Frauenheilkd** 38(12):1066–9, Dec 78 (Eng. Abstr.) **(Ger)**

[Radioimmunologic determination of several hormones in commercial immunoglobulin preparations] Migunov VN, et al. **Zh Mikrobiol Epidemiol Immunobiol** (8):100–3, Aug 78 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Differences in localization of insulin receptors and adenylate cyclase in the human placenta. Whitsett JA, et al. **Am J Obstet Gynecol** 133(2):204–7, 15 Jan 79

Catalytic properties and stability of three common variants of placental alkaline phosphatase. Holmgren PA, et al. **Biochem Genet** 16(5–6):433–42, Jun 78

Kininases and converting enzyme in human placenta. Litorowicz A, et al. **Biochem Pharmacol** 27(24):2829–34, 1978

Sphingomyelinases in human tissues. IV. Purification of sphingomyelinase from human placenta and effect of Triton X-100. Callahan JW, et al. **Can J Biochem** 56(9):885–91, Sep 78

Human placental 5'-nucleotidase and alkaline phosphatase. Receptors for concanavalin A and Lens culinaris lectin. Gutensohn W. **Hoppe Seylers Z Physiol Chem** 359(11):1599–602, Nov 78

Acid alpha-glucosidase in Malaysians. Population studies and the occurrence of a new variant. Teng YS, et al. **Hum Hered** 29(1):2–4, 1979

Some enzyme polymorphisms in Malaysian mothers and their newborn. Yip MY, et al. **Hum Hered** 29(1):5–9, 1979

Human amidophosphoribosyltransferase. An oxygen-sensitive iron-sulfur protein. Itakura M, et al. **J Biol Chem** 254(2):333–8, 25 Jan 79

Characterization of alkaline phosphatases from human first trimester placentas. Sakiyama T, et al. **J Biol Chem** 254(3):935–8, 10 Feb 79

Gaucher's disease: lack of antibody response to intravenous glucocerebrosidase. Britton DE, et al. **Life Sci** 23(25):2517–9, 18 Dec 78

Normal human placentas contain RNA-directed DNA polymerase activity like that in viruses. Nelson J, et al. **Proc Natl Acad Sci USA** 75(12):6263–7, Dec 78

[Diagnosis of placental sulphatase deficiency (author's transl)] Bailer P, et al. **Z Geburtshilfe Perinatol** 182(5):384–8, Oct 78 (Eng. Abstr.) **(Ger)**

METABOLISM

In vitro C-20, 22 desmolase regulation of pregnenolone supply in first trimester human placenta. Gunasegaram R, et al. **Acta Endocrinol (Copenh)** 90(1):185–92, Jan 79

90Sr placentas, embryos and foetuses of mice, evaluated by whole-body autoradiography. Olsen I, et al. **Acta Pharmacol Toxicol (Copenh)** 44(1):22–7, Jan 79

Differences in localization of insulin receptors and adenylate cyclase in the human placenta. Whitsett JA, et al. **Am J Obstet Gynecol** 133(2):204–7, 15 Jan 79

Bidirectional sodium fluxes across the placenta of conscious sheep. Weedon AP, et al. **Am J Physiol** 235(6):F536–41, Dec 78

Partial amino acid sequence of the preprotein form of the alpha subunit of human choriogonadotropin and identification of the site of subsequent proteolytic cleavage. Birken S, et al. **Biochem Biophys Res Commun** 85(4):1247–53, 29 Dec 78

Regulation of progesterone from pregnenolone biosynthesis by phosphopyridine nucleotides in the human placental mitochondrial fraction. Bogusławski W, et al. **Biochem Med** 20(2):144–52, Oct 78

Effect of maternal glucose infusions on fatty acid transport across the placenta in rabbits. Elphick MC, et al. **Biol Neonate** 34(5–6):231–7, 1978

Protein polypeptide hormones of the human fetus and placenta. Khan FS, et al. **Contrib Gynecol Obstet** 5:131–44, 1979 (97 ref.)

Trophoblast-specific beta1-glycoprotein as a marker for pregnancy and malignancies. Tatarinov YS. **Gynecol Obstet Invest** 9(2–3):65–97, 1978 (102 ref.)

Acetylcholine synthesis and release in isolated and perfused single cotyledon of human placenta. Sastry PB, et al. **Indian J Med Res** 68:867–79, Nov 78

Cholesterol and free fatty acids in the placenta, maternal and cord sera of under-nourished mothers. Katiyar GP, et al. **Indian Pediatr** 15(10):831–4, Oct 78

Allogeneic placenta is a paternal strain antigen immunoabsorbent. Wegmann TG, et al. **J Immunol** 122(1):270–4, Jan 79

Intestinal and placental calcium-binding proteins in vitamin D-deprived or -supplemented rats. Marche P, et al. **Life Sci** 23(26):2555–61, 25 Dec 78

Organochlorine residues and reproduction in the little brown bat, Laurel, Maryland--June 1976. Clark DR Jr, et al. **Pestic Monit J** 12(3):113–6, Dec 78

Transport and accumulation of alpha-aminoisobutyric acid (A.I.B.) in the guinea pig placenta. van Dijk JP, et al. **Pfluegers Arch** 377(3):217–24, 30 Nov 78

Fetal considerations. Metabolic clearance rate of maternal plasma dehydroisoandrosterone sulfate. Worley RJ, et al. **Semin Perinatol** 2(1):15–28, Jan 78 (37 ref.)

Placental transfer and tissue localization of digoxin in the pregnant rat. Singh S, et al. **Toxicol Appl Pharmacol** 46(2):395–403, Nov 78

[Clinical monitoring for steroid metabolism of the fetoplacental unit.--II. Maternal blood testosterone and 17 B-estradiol levels in physiological and pathological pregnancies (author's transl)] Sorfová J, et al. **Cesk Gynekol** 43(10):771–5, Nov 78 (Eng. Abstr.) **(Cze)**

[A placental transfer study of a pesticidal carbamate (sevin) in the rat (author's transl)] Declume C, et al. **Toxicol Eur Res** 1(2):85–7, Mar 78 (Eng. Abstr.) **(Fre)**

[Pathomorphological and histochemical characteristics of the fetus and placenta in missed abortion and labor] Kliherman MM. **Pediatr Akush Ginekol** (6):51–4, Nov-Dec 78 **(Ukr)**

PHYSIOLOGY

Bidirectional sodium fluxes across the placenta of conscious sheep. Weedon AP, et al. **Am J Physiol** 235(6):F536–41, Dec 78

Correlates of human umbilical cord length. Agboola A. **Int J Gynaecol Obstet** 16(3):238–9, 1978–79

Reproductive endocrinology and the merry post-war period. The Sir Henry Dale lecture for 1978. Diczfalusy E. **J Endocrinol** 79(2):3P–17P, Nov 78

Equilibrium potentials across the guinea-pig placenta

PLACENTA

[proceedings] Binder ND, et al. **J Physiol (Lond)** 284:98P-99P, Nov 78

[The onset of labor in women] Eskes TK. **Ned Tijdschr Geneeskd** 123(7):247-54, 17 Feb 79 **(Dut)**

[Fetal and placental maturation processes towards the end of pregnancy and their diagnosis (author's transl)] Bolte A. **Z Geburtshilfe Perinatol** 182(6):393-404, Dec 78 (Eng. Abstr.) **(Ger)**

[Intrauterine growth: evolution of the fetal length, weight of the fetus and placenta, placental index, in the 2d half of pregnancy] Matheus M, et al. **AMB** 23(3):88-90, May 77 (Eng. Abstr.) **(Por)**

PHYSIOPATHOLOGY

Placentation, anencephaly, and spina bifida [letter] James WH. **J Med Genet** 15(5):405-6, Oct 78

Intrauterine growth retardation: an invitational symposium. Battaglia FC. **J Reprod Med** 21(5):283-6, Nov 78

Trophoblastic disease with coexistent fetus: a sonographic and clinical spectrum. Bree RL, et al. **JCU** 6(5):310-4, Oct 78

Toxemia update. Placental function and its role in toxemia. Tichy AM, et al. **MCN** 4(2):84-9, Mar-Apr 79

SECRETION

Secretion of progesterone during gestation in the rat. Sanyal MK. **J Endocrinol** 79(2):179-90, Nov 78

PLACENTAL FUNCTION TESTS

Antepartum fetal heart rate testing: the nonstress test. Evertson LR, et al. **Am J Obstet Gynecol** 132(8):895-900, 15 Dec 78

Tests of fetal well-being [letter] Lieb SM. **Am J Obstet Gynecol** 132(8):912, 15 Dec 78

Radioimmunoassay (RIA) and other saturation assay techniques in clinical medicine. Hazra DK, et al. **J Assoc Physicians India** 26(2):95-101, Feb 78

Comparison of urinary pregnanediol and estriol excretion as indexes of placental function. Fliegner JR. **Obstet Gynecol** 53(1):93-8, Jan 79

Fetal considerations. Metabolic clearance rate of maternal plasma dehydroisoandrosterone sulfate. Worley RJ, et al. **Semin Perinatol** 2(1):15-28, Jan 78 (37 ref.)

[Hormonal dynamics during pregnancy: critical discussion and clinical interpretations] Bélisle S. **Can Med Assoc J** 119(11):1307-9, 9 Dec 78 (Eng. Abstr.) **(Fre)**

PLACENTA

II. Disorders of the Placenta

CHORIOADENOMA

BLOOD SUPPLY

Pelvic angiography in the follow-up of chorioadenoma destruens. Liukko P, et al. **Ann Chir Gynaecol** 67(4):147–9, 1978

RADIOGRAPHY

Pelvic angiography in the follow-up of chorioadenoma destruens. Liukko P, et al. **Ann Chir Gynaecol** 67(4):147–9, 1978

CHORIOCARCINOMA

Recent advances in testicular cancer. Javadpour N, et al. **Curr Probl Surg** 15(2):1–64, Feb 78 (125 ref.)

ANALYSIS

Nuclear DNA content of trophoblastic tumors. Sugimori H, et al. **Acta Cytol (Baltimore)** 22(6):542–5, Nov–Dec 78

BLOOD

Trophoblast-specific beta1-glycoprotein as a marker for pregnancy and malignancies. Tatarinov YS. **Gynecol Obstet Invest** 9(2–3):65–97, 1978 (102 ref.)

The role of alpha-fetoprotein and human chorionic gonadotropin in seminoma. Javadpour N, et al. **J Urol** 120(6):687–90, Dec 78

[Pregnancy associated alpha2-glycoprotein (alpha2-PAG) in the serum of patients with gynecologic carcinomas] Bauer HW, et al. **Onkologie** 1(5):180–3, Oct 78 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

Recent advances in testicular cancer. Javadpour N, et al. **Curr Probl Surg** 15(2):1–64, Feb 78 (125 ref.)

COMPLICATIONS

Pregnancy and delivery after successful treatment of epidural metastatic choriocarcinoma. Kuten A, et al. **Gynecol Oncol** 6(5):464–6, Oct 78

DIAGNOSIS

Improved management of nonseminomatous testis tumors. Donohue JP, et al. **Cancer** 42(6):2903–8, Dec 78

Recent advances in testicular cancer. Javadpour N, et al. **Curr Probl Surg** 15(2):1–64, Feb 78 (125 ref.)

Hyperreactio luteinalis: a case report. Rowlands JB. **JCU** 6(5):327–9, Oct 78

DRUG THERAPY

Intracranial vascular complications of choriocarcinoma. Weir B, et al. **Neurosurgery** 2(2):138–42, Mar–Apr 78

[Trophoblast diseases and their treatment in Czechoslovakia (author's transl)] Skřivan J, et al. **Cesk Gynekol** 43(10):738–44, Nov 78 (Eng. Abstr.) **(Cze)**

[Late results of the treatment of trophoblastic tumors with the uterus preserved] Savinova VF, et al. **Akush Ginekol (Mosk)** (12):24–7, Dec 78 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Multiple forms of alkaline phosphatase in untreated and 5-bromo-2'-deoxyuridine-treated choriocarcinoma cells. Sakiyama T, et al. **Arch Biochem Biophys** 191(2):782–91, Dec 78

ETIOLOGY

Choriocarcinoma following term pregnancy. Miller JM Jr, et al. **Obstet Gynecol** 53(2):207–12, Feb 79

MORTALITY

Maternal mortality in south Iran: a seven-year survey. Borazjani G, et al. **Int J Gynaecol Obstet** 16(1):65–9, 1978

Choriocarcinoma following term pregnancy. Miller JM Jr, et al. **Obstet Gynecol** 53(2):207–12, Feb 79

PATHOLOGY

Brief report: primary choriocarcinoma of the mediastinum. Connolly CE, et al. **Ir J Med Sci** 148(1):20–2, Jan 79

RADIOTHERAPY

Intracranial vascular complications of choriocarcinoma. Weir B, et al. **Neurosurgery** 2(2):138–42, Mar–Apr 78

SURGERY

Intracranial vascular complications of choriocarcinoma. Weir B, et al. **Neurosurgery** 2(2):138–42, Mar–Apr 78

THERAPY

Improved management of nonseminomatous testis tumors. Donohue JP, et al. **Cancer** 42(6):2903–8, Dec 78

Recent advances in testicular cancer. Javadpour N, et al. **Curr Probl Surg** 15(2):1–64, Feb 78 (125 ref.)

Pregnancy and delivery after successful treatment of epidural metastatic choriocarcinoma. Kuten A, et al. **Gynecol Oncol** 6(5):464–6, Oct 78

Choriocarcinoma following term pregnancy. Miller JM Jr, et al. **Obstet Gynecol** 53(2):207–12, Feb 79

[Trophoblast diseases and their treatment in Czechoslovakia (author's transl)] Skřivan J, et al. **Cesk Gynekol** 43(10):738–44, Nov 78 (Eng. Abstr.) **(Cze)**

[Pregnancy dependent trophoblast diseases] Büttner HH, et al. **Z Aerztl Fortbild (Jena)** 72(20):980–5, 15 Oct 78 **(Ger)**

ULTRASTRUCTURE

Desmosome-like structures between tumor cells and endothelial cells in choriocarcinoma heterotransplanted into the nude mouse: a preliminary report. Kawagoe K, et al. **J Reprod Med** 21(4):265–8, Oct 78

URINE

[Fluctuations in the level of chorionic gonadotropin in the process of primary treatment of trophoblastic tumors] Semenovskii AV. **Akush Ginekol (Mosk)** (12):21–4, Dec 78 (Eng. Abstr.) **(Rus)**

HYDATIDIFORM MOLE

ANALYSIS

Nuclear DNA content of trophoblastic tumors. Sugimori H, et al. **Acta Cytol (Baltimore)** 22(6):542–5, Nov–Dec 78

BLOOD

Trophoblast-specific beta1-glycoprotein as a marker for pregnancy and malignancies. Tatarinov YS. **Gynecol Obstet Invest** 9(2–3):65–97, 1978 (102 ref.)

COMPLICATIONS

Nephrotic syndrome due to preeclamptic nephropathy in a hydatidiform mole and coexistent fetus. Cohen AW, et al. **Obstet Gynecol** 53(1):130–4, Jan 79

DIAGNOSIS

Sonolucent areas in the placenta: sonographic and pathologic

correlation. Spirt BA, et al. **AJR** 131(6):961–5, Dec 78
Hyperreactio luteinalis: a case report. Rowlands JB. **JCU** 6(5):327–9, Oct 78
The use of ultrasound in threatened abortion. Duff GB. **NZ Med J** 88(624):398–400, 22 Nov 78
[Prenatal diagnosis of malformations by ultrasound (author's transl)] Schlensker KH. **Zentralbl Gynaekol** 100(23):1538–54, 1978 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

[Trophoblast diseases and their treatment in Czechoslovakia (author's transl)] Skrivan J, et al. **Cesk Gynekol** 43(10):738–44, Nov 78 (Eng. Abstr.) **(Cze)**

METABOLISM

Testosterone production with hydatidiform moles—in vitro and in vivo studies. Chew PC, et al. **Br J Obstet Gynaecol** 86(1):37–40, Jan 79

PATHOLOGY

[Pregnancy dependent trophoblast diseases] Büttner HH, et al. **Z Aerztl Fortbild (Jena)** 72(20):980–5, 15 Oct 78 **(Ger)**

THERAPY

[Trophoblast diseases and their treatment in Czechoslovakia (author's transl)] Skrivan J, et al. **Cesk Gynekol** 43(10):738–44, Nov 78 (Eng. Abstr.) **(Cze)**

URINE

Purification and characterization of urinary choriogonadotropin from patients with hydatidiform mole. Choy YM, et al. **J Biol Chem** 254(4):1159–63, 25 Feb 79
[Fluctuations in the level of chorionic gonadotropin in the process of primary treatment of trophoblastic tumors] Semenovskii AV. **Akush Ginekol (Mosk)** (12):21–4, Dec 78 (Eng. Abstr.) **(Rus)**

PLACENTA DISORDERS

Active pharmacologic management of the third stage of labor. A comparison of oxytocin and ergometrine. Sorbe B. **Obstet Gynecol** 52(6):694–7, Dec 78
[Clinico-statistical considerations on the role of cesarean section in the management of delivery] Bertaglia A, et al. **Minerva Ginecol** 30(11):967–74, Nov 78 **(Ita)**

COMPLICATIONS

Causes of perinatal death associated with gestational hypertension and proteinuria. Naeye RL, et al. **Am J Obstet Gynecol** 133(1):8–10, 1 Jan 79
Intra-uterine malnutrition and skeletal retardation. Roord JJ, et al. **Biol Neonate** 34(3–4):167–9, 1978
Intrauterine growth retardation: an invitational symposium. Battaglia FC. **J Reprod Med** 21(5):283–6, Nov 78
Maternal diseases associated with abnormal fetal growth. Resnik R. **J Reprod Med** 21(5):315–8, Nov 78
[Epidemiological study of idiopathic premature labor in the Obstetrical Department of the Vaudois University Hospital Center, Lausanne] Janecek P, et al. **Gynaekol Rundsch** 18 Suppl 1:80–5, 1978 **(Fre)**

DIAGNOSIS

Sonolucent areas in the placenta: sonographic and pathologic correlation. Spirt BA, et al. **AJR** 131(6):961–5, Dec 78
The 'migrating' placenta: an ultrasound diagnosis. Bean WJ, et al. **J La State Med Soc** 131(1):9–10, Jan 79
The use of ultrasound in threatened abortion. Duff GB. **NZ Med J** 88(624):398–400, 22 Nov 78
An evaluation of routine midtrimester ultrasonic scanning. Houlton MC, et al. **S Afr Med J** 54(12):482–5, 16 Sep 78
[The activity of L-cystine-aminopeptidase (oxytocinase) in the serum of pregnant women during intravenous application of oxytocin (author's transl)] Schumann K, et al. **Geburtshilfe Frauenheilkd** 38(12):1052–7, Dec 78 (Eng. Abstr.) **(Ger)**
[Diagnosis of placental sulphatase deficiency (author's transl)] Bailer P, et al. **Z Geburtshilfe Perinatol** 182(5):384–8, Oct 78 (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Severe fetal growth retardation by maternal heroin addiction. A casuistic report (author's transl)] Wagner G. **Z Geburtshilfe Perinatol** 182(6):462–4, Dec 78 (Eng. Abstr.) **(Ger)**

METABOLISM

The effects of pre- and perinatal undernutrition on the succinic dehydrogenase content of muscle fibres from fast and slow rat muscles. Howells KF, et al. **Histochemistry** 58(1–2):97–102, 24 Nov 78
[Changes in the composition of heart proteins during early ontogenesis in normal subjects and in the presence of reduced uteroplacental blood flow] Zhakhova ZN, et al. **Biull Eksp Biol Med** 86(12):684–7, Dec 78 (Eng. Abstr.) **(Rus)**

MORTALITY

Causes of perinatal death associated with gestational hypertension and proteinuria. Naeye RL, et al. **Am J Obstet Gynecol** 133(1):8–10, 1 Jan 79

OCCURRENCE

The placentas in Abidjan. Blanc WA, et al. **Helv Paediatr Acta [Suppl]** (41):101–10, Dec 78

PATHOLOGY

Sonolucent areas in the placenta: sonographic and pathologic correlation. Spirt BA, et al. **AJR** 131(6):961–5, Dec 78
The placentas in Abidjan. Blanc WA, et al. **Helv Paediatr Acta [Suppl]** (41):101–10, Dec 78
Listeria monocytogenes. Macroabscesses of placenta. Steele PE, et al. **Obstet Gynecol** 53(1):124–7, Jan 79
[The importance of regressive changes in the placenta during the so-called migration of the placenta (author's transl)] Winter R. **Geburtshilfe Frauenheilkd** 38(12):1093–8, Dec 78 (Eng. Abstr.) **(Ger)**
[Pathomorphological and ultrastructural changes in viral infection of the placenta] Krasovskii EB, et al. **Vopr Okhr Materin Det** 23(11):79–80, Nov 78 **(Rus)**
[Histology of the placenta in relation to its morphological evaluation] Cuadros JL, et al. **Acta Obstet Ginecol Hisp Lusit** 26(7):439–49, Oct 78 **(Spa)**

PHYSIOPATHOLOGY

[State of the fetus and newborn infant depending on functional placental insufficiency] Boryma TV, et al. **Pediatr Akush Ginekol** (6):49–51, Nov-Dec 78 **(Ukr)**

PSYCHOLOGY

Fetal malnutrition: an experimental study of its consequences on infant development in two caregiving environments. Zeskind PS, et al. **Child Dev** 49(4):1155–62, Dec 78

VETERINARY

Induction of parturition in dairy heifers using prostaglandin F2alpha. Plenderleith RW. **Vet Rec** 103(23):502–3, 2 Dec 78

TROPHOBLASTIC TUMOR

[Pregnancy dependent trophoblast diseases] Büttner HH, et al. **Z Aerztl Fortbild (Jena)** 72(20):980–5, 15 Oct 78 **(Ger)**

ANALYSIS

Nuclear DNA content of trophoblastic tumors. Sugimori H, et al. **Acta Cytol (Baltimore)** 22(6):542–5, Nov-Dec 78

BLOOD

Pregnancy beta1 glycoprotein and chorionic gonadotrophin in the serum of patients with trophoblastic and non-trophoblastic tumours. Bagshawe KD, et al. **Eur J Cancer** 14(12):1331–5, Dec 78
Trophoblast-specific beta1-glycoprotein as a marker for pregnancy and malignancies. Tatarinov YS. **Gynecol Obstet Invest** 9(2–3):65–97, 1978 (102 ref.)
Pregnancy-specific beta1-glycoprotein: a review. Horne CH,

et al. **Obstet Gynecol Surv** 33(12):761–8, Dec 78 (54 ref.)

DIAGNOSIS

Trophoblastic disease with coexistent fetus: a sonographic and clinical spectrum. Bree RL, et al. **JCU** 6(5):310–4, Oct 78

[Prenatal diagnosis of malformations by ultrasound (author's transl)] Schlensker KH. **Zentralbl Gynaekol** 100(23):1538–54, 1978 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

[Late results of the treatment of trophoblastic tumors with the uterus preserved] Savinova VF, et al. **Akush Ginekol (Mosk)** (12):24–7, Dec 78 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Trophoblastic disease with coexistent fetus: a sonographic and clinical spectrum. Bree RL, et al. **JCU** 6(5):310–4, Oct 78

THERAPY

[Fluctuations in the level of chorionic gonadotropin in the process of primary treatment of trophoblastic tumors] Semenovskii AV. **Akush Ginekol (Mosk)** (12):21–4, Dec 78 (Eng. Abstr.) **(Rus)**

URINE

Nuclear DNA content of trophoblastic tumors. Sugimori H, et al. **Acta Cytol (Baltimore)** 22(6):542–5, Nov–Dec 78

[Fluctuations in the level of chorionic gonadotropin in the process of primary treatment of trophoblastic tumors] Semenovskii AV. **Akush Ginekol (Mosk)** (12):21–4, Dec 78 (Eng. Abstr.) **(Rus)**

PLACENTA

III. *Placenta Hormones, Precursors, Metabolites and Synthetic Analogs*

GONADOTROPINS, CHORIONIC

Partial amino acid sequence of the preprotein form of the alpha subunit of human choriogonadotropin and identification of the site of subsequent proteolytic cleavage. Birken S, et al. **Biochem Biophys Res Commun** 85(4):1247–53, 29 Dec 78

Location of major antigenic sites of the beta subunit of human chorionic gonadotropin. Swaminathan N, et al. **Biochemistry** 17(26):5832–8, 26 Dec 78

Use of a radioreceptor test for HCG in women practicing contraception. Shahani SM, et al. **Contraception** 18(5):543–50, Nov 78

A hybrid protein containing the toxic subunit of ricin and the cell-specific subunit of human chorionic gonadotropin. I. Synthesis and characterization. Oeltmann TN, et al. **J Biol Chem** 254(4):1022–7, 25 Feb 79

ADMINISTRATION & DOSAGE

Plasma testosterone in male puberty. II. hCG stimulation test in boys with hypospadia. Knorr D, et al. **Acta Endocrinol (Copenh)** 90(2):365–71, Feb 79

Improvement in the fertility of streptozotocin-diabetic male rats following treatment with insulin and human chrionic gonadotropin. Paz G, et al. **Isr J Med Sci** 14(10):1073–8, Oct 78

Effects of intrafollicular administration of gonadotropins in two species of nonhuman primates using laparoscopy. Rawson JM, et al. **J Med Primatol** 7(4):223–7, 1978

[Use of gravohormone to increase conception and fertility in cows] Konstantinov P, et al. **Vet Med Nauki** 15(4):14–9, 1978 (Eng. Abstr.) **(Bul)**

[Antiandrogenic effects of 4-nitro-3-trifluoromethylisobutyrylanilide (niftolide) in prepubertal male rats during stimulation with exogenous gonadotropins] Varga SV, et al. **Probl Endokrinol (Mosk)** 25(1):52–7, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Biochemical changes of the human semen produced by chlorambucil, testosterone propionate and human chorionic gonadotropin administration. Calamera JC, et al. **Andrologia** 11(1):43–50, Jan 79

ANALYSIS

Human chorionic gonadotropin (HCG) and alpha-fetoprotein (AFP) in sera and tumor cells of patients with testicular seminoma: a prospective study. Javadpour N, et al. **Cancer** 42(6):2768–72, Dec 78

Immunohistochemical demonstration of several tumour markers in neoplastic and preneoplastic states of the uterine mucosa. Hustin J. **Gynecol Obstet Invest** 9(1):3–15, 1978

Choriocarcinoma following term pregnancy. Miller JM Jr, et al. **Obstet Gynecol** 53(2):207–12, Feb 79

[Significance of alpha fetoprotein and human chorionic gonadotropin determination in malignant testicular tumors] Černý V, et al. **Rozhl Chir** 57(12):833–8, Dec 78 (Eng. Abstr.) **(Cze)**

[Pregnancy dependent trophoblast diseases] Büttner HH, et al. **Z Aerztl Fortbild (Jena)** 72(20):980–5, 15 Oct 78 **(Ger)**

[Radioimmunologic determination of several hormones in commercial immunoglobulin preparations] Migunov VN, et al. **Zh Mikrobiol Epidemiol Immunobiol** (8):100–3, Aug 78 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Partial amino acid sequence of the preprotein form of the alpha subunit of human choriogonadotropin and identification of the site of subsequent proteolytic cleavage. Birken S, et al. **Biochem Biophys Res Commun** 85(4):1247–53, 29 Dec 78

Bladder carcinoma associated with ectopic production of gonadotropin. Kawamura J, et al. **Cancer** 42(6):2773–80, Dec 78

BLOOD

Investigations of hormones during early abortion induced by prostaglandin F2alpha and 15(S)-methyl-PGF2alpha. Seifert B, et al. **Acta Biol Med Ger** 37(5–6):955–7, 1976

Human chorionic gonadotropin (HCG) and alpha-fetoprotein (AFP) in sera and tumor cells of patients with testicular seminoma: a prospective study. Javadpour N, et al. **Cancer** 42(6):2768–72, Dec 78

Pregnancy beta1 glycoprotein and chorionic gonadotrophin in the serum of patients with trophoblastic and non-trophoblastic tumours. Bagshawe KD, et al. **Eur J Cancer** 14(12):1331–5, Dec 78

Measurement of plasma human chorionic gonadotropin (hCG) and beta-hCG activities in the late luteal phase: evidence of the occurrence of spontaneous menstrual abortions in infertile women. Chartier M, et al. **Fertil Steril** 31(2):134–7, Feb 79

The 'LH/HCG test', a valuable aid in the diagnosis of tubal pregnancy. Gruenberger W, et al. **Gynecol Obstet Invest** 9(2–3):150–5, 1978

Occult pregnancy as a factor in unexplained infertility. Block SK. **J Reprod Med** 21(4):251–3, Oct 78

The role of alpha-fetoprotein and human chorionic gonadotropin in seminoma. Javadpour N, et al. **J Urol** 120(6):687–90, Dec 78

The National Cancer Institute experience with testicular cancer. Javadpour N. **J Urol** 120(6):651–9, Dec 78

Serum markers in testicular tumors. Narayana AS, et al. **J Urol** 121(1):51–3, Jan 79

Trophoblastic proteins in ovarian carcinoma. Crowther ME, et al. **Obstet Gynecol** 53(1):59–61, Jan 79

Conversion of progesterone to testosterone in the rat Leydig cell. Gnodde HP, et al. **Proc Soc Exp Biol Med** 160(1):130–3, Jan 79

Biologic markers and breast cancer. Waalkes TP, et al. **Semin Oncol** 5(4):434–44, Dec 78 (66 ref.)

[Diagnosis and therapy of malignant testicular neoplasms] Douwes FR, et al. **Onkologie** 1(5):185–92, Oct 78 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Plasma testosterone in male puberty. II. hCG stimulation test in boys with hypospadia. Knorr D, et al. **Acta Endocrinol (Copenh)** 90(2):365–71, Feb 79

Hyperthecosis syndrome. Clinical, endocrinologic and histologic findings. Karam K, et al. **Acta Obstet Gynecol Scand** 58(1):73–9, 1979

Diagnostic evaluation of progesterone. Challenge test in amenorrheic patients. Nakano R, et al. **Acta Obstet Gynecol Scand** 58(1):59–64, 1979

Dynamic hormonal tests in a case of premature ovarian failure. Asch RH, et al. **South Med J** 72(1):72–4, Jan 79

IMMUNOLOGY

Location of major antigenic sites of the beta subunit of human chorionic gonadotropin. Swaminathan N, et al. **Biochemistry** 17(26):5832–8, 26 Dec 78

Immunological control of fertility: measurement of affinity of antibodies to human chorionic gonadotrophin. Thanavala YM, et al. **Clin Exp Immunol** 33(3):403–9, Sep 78

Regulation of B cell unresponsiveness by suppressor cells. Parks DE, et al. **Immunol Rev** 43:217–40, 1979 (59 ref.)

ISOLATION & PURIFICATION

Recognition of the beta-subunit of human chorionic gonadotropin and sub-determinants by target tissue receptors. Ramakrishnan S, et al. **Biochem J** 176(2):599–602, 15 Nov 78

Improved method of purifying some radiolabeled glycopeptide hormones. Patritti-Laborde N, et al. **Clin Chem** 25(1):163–5, Jan 79

Purification and characterization of urinary choriogonadotropin from patients with hydatidiform mole. Choy YM, et al. **J Biol Chem** 254(4):1159–63, 25 Feb 79

METABOLISM

Ovarian binding and intrinsic biological activity of desialylated

human chorionic gonadothrophin (ASIALO-hCG). Odink J, et al. **Acta Endocrinol (Copenh)** 90(2):349-60, Feb 79
Internalization and degradation of receptor-bound hCG in granulosa cell cultures. Amsterdam A, et al. **Am J Physiol** 236(2):E129-38, Feb 79
Gonadotropin and prostaglandins binding sites in rough endoplasmic reticulum and Golgi fractions of bovine corpora lutea. Mitra S, et al. **Arch Biochem Biophys** 191(1):331-40, Nov 78
Pituitary and placental gonadotrophins and sex steroids in the human and sub-human primate fetus. Kaplan SL, et al. **Clin Endocrinol Metab** 7(3):487-511, Nov 78 (114 ref.)
Aspects of the ultrastructure and function of the human fetal adrenal cortex. Johannisson E. **Contrib Gynecol Obstet** 5:109-30, 1979 (74 ref.)
Observations on the determination of fetal sex in early pregnancy. Zondek LH, et al. **Contrib Gynecol Obstet** 5:91-108, 1979 (70 ref.)
Appearance of hCG-receptor after conversion of newborn ovarian cells into testicular structures by H-Y antigen in vitro. Müller U, et al. **Hum Genet** 45(2):203-7, 18 Dec 78
Receptors for follicle-stimulating hormone and human chorionic gonadotrophin in the ovine follicle: changes in binding with atresia in vitro [proceedings] Carson RS, et al. **J Endocrinol** 79(2):27P-28P, Nov 78
Interations of gonadotropins with corpus luteum membranes. VII. Association of hCG-binding and adenylate cyclase activities with rabbit corpus luteum plasma-membranes. Bramley TA, et al. **Mol Cell Endocrinol** 12(3):319-25, Dec 78
Human chorionic gonadotropin-induced Leydig cell refractoriness to gonadotropin stimulation. Saez JM, et al. **Mol Pharmacol** 14(6):1054-62, Nov 78
Gonadotropin receptors and regulation of steroidogenesis in the testis and ovary. Dufau ML, et al. **Vitam Horm** 36:461-592, 1978 (269 ref.)

PHARMACODYNAMICS

Changes in the plasma levels of androstenedione, dehydroepiandrosterone and cortisol after stimulation with ACTH and hCG and suppression with dexamethasone during male puberty. Herrera-Justiniano E, et al. **Acta Endocrinol (Copenh)** 90(1):113-21, Jan 79
Gonadotrophic hormones and testicular descent. Colenbrander B, et al. **Arch Androl** 1(2):131-7, 1978
LH receptors and Leydig cell responsiveness to hCG in vitro. Purvis K, et al. **Arch Androl** 1(4):299-310, Sep 78
Recognition of the beta-subunit of human chorionic gonadotropin and sub-determinants by target tissue receptors. Ramakrishnan S, et al. **Biochem J** 176(2):599-602, 15 Nov 78
Oestrogen-gonadotrophin feedback abnormalities in hyperprolactinaemic amenorrhoea demonstrated by the response to clomiphene administration. Glass MR, et al. **Br J Obstet Gynaecol** 86(1):64-8, Jan 79
Ultrastructure of rat pinealocytes in vitro: influence of gonadotropic hormones and LH-RH. Karasek M, et al. **Cell Tissue Res** 195(3):547-56, 29 Dec 78
Patterns of synthesis and accumulation of heterogeneous RNA in lampbrush stage oocytes of Xenopus laevis (Daudin). Anderson DM, et al. **Dev Biol** 67(2):274-85, Dec 78
In vitro reversal of indomethacin-blocked ovulation by prostaglandin F2alpha. Hamada Y, et al. **Fertil Steril** 30(6):702-6, Dec 78
Monitoring of ovulation induction. Wu CH. **Fertil Steril** 30(6):617-30, Dec 78
Improvement in the fertility of streptozotocin-diabetic male rats following treatment with insulin and human chrionic gonadotropin. Paz G, et al. **Isr J Med Sci** 14(10):1073-8, Oct 78
A hybrid protein containing the toxic subunit of ricin and the cell-specific subunit of human chorionic gonadotropin. II. Biologic properties. Oeltmann TN, et al. **J Biol Chem** 254(4):1028-32, 25 Feb 79
A hybrid protein containing the toxic subunit of ricin and the cell-specific subunit of human chorionic gonadotropin. I. Synthesis and characterization. Oeltmann TN, et al. **J Biol Chem** 254(4):1022-7, 25 Feb 79
Effects of polypeptide hormone preparations on steroid production by the human foetal adrenal gland during superfusion [proceedings] Brown TJ, et al. **J Endocrinol** 79(2):60P-61P, Nov 78
Effects of intrafollicular administration of gonadotropins in two species of nonhuman primates using laparoscopy. Rawson JM, et al. **J Med Primatol** 7(4):223-7, 1978
Effects of ethanol on the hypothalamic-pituitary-luteinizing hormone axis and testicular steroidogenesis. Cicero TJ, et al. **J Pharmacol Exp Ther** 208(2):210-5, Feb 79
Hormonal regulation of Leydig cell function. Purvis K, et al. **Mol Cell Endocrinol** 12(2):123-38, Nov 78 (65 ref.)
Human chorionic gonadotropin-induced Leydig cell refractoriness to gonadotropin stimulation. Saez JM, et al. **Mol Pharmacol** 14(6):1054-62, Nov 78
Prolactin-secreting tumors and hypogonadism in men [letter] **N Engl J Med** 300(10):563-4, 8 Mar 79
Temporal changes in ovarian steroid-17alpha-hydroxylase in immature rats treated with pregnant mare's serum gonadotropin. Johnson DC. **Proc Soc Exp Biol Med** 159(3):484-7, Dec 78
The effect of various hormones on the humoral immune response of murine lymphocytes in vitro. Okamura K, et al. **Tohoku J Exp Med** 126(3):235-8, Nov 78
[The influence of pregnancy specific serum factors on the mitogen induced culture of lymphocytes (author's transl)] Kreienberg R, et al. **Geburtshilfe Frauenheilkd** 39(2):121-9, Feb 79 (Eng. Abstr.) **(Ger)**
[The effect of steroid hormones: oestrogens and progesterone, chorionic gonadotrophin and LH-releasing factor on the structure of filtration angle and intraocular tension in rabbits (author's transl)] Gierkowa A, et al. **Klin Oczna** 48(12):643-5, Dec 78 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Oestrogen-gonadotrophin feedback abnormalities in hyperprolactinaemic amenorrhoea demonstrated by the response to clomiphene administration. Glass MR, et al. **Br J Obstet Gynaecol** 86(1):64-8, Jan 79
Monitoring of ovulation induction. Wu CH. **Fertil Steril** 30(6):617-30, Dec 78
Restoration of male fertility five years after total hypophysectomy. Schroffner WG. **Hawaii Med J** 37(11):331-4, Nov 78
Improvement in the fertility of streptozotocin-diabetic male rats following treatment with insulin and human chrionic gonadotropin. Paz G, et al. **Isr J Med Sci** 14(10):1073-8, Oct 78
Prolactin-secreting tumors and hypogonadism in men [letter] **N Engl J Med** 300(10):563-4, 8 Mar 79
Oral contraceptive use and secondary amenorrhea. Kissi M, et al. **Obstet Gynecol** 53(2):241-4, Feb 79
Induction of spermatogenesis in hypogonadotrophic hypogonadism. Spitz IM, et al. **Postgrad Med J** 54(636):694-7, Oct 78
Medical treatment of the subfertile male. Cunningham GR. **Urol Clin North Am** 5(3):537-48, Oct 78 (62 ref.)
[The outlook and the quality of pregnancies resulting from treatment with clomiphene citrate and chorionic gonadotrophin. 53 consecutive cases (author's transl)] Senez P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(5):987-90, May-Jun 78 (Eng. Abstr.) **(Fre)**
[Ovarian corpus luteum insufficiency (clinical, endocrinologic, histopathologic and therapeutic study)] Germano FP, et al. **Obstet Ginecol Lat Am** 36(3-4):72-102, Mar-Apr 78 (Eng. Abstr.) **(Spa)**

URINE

Nuclear DNA content of trophoblastic tumors. Sugimori H, et al. **Acta Cytol (Baltimore)** 22(6):542-5, Nov-Dec 78
Purification and characterization of urinary choriogonadotropin from patients with hydatidiform mole. Choy YM, et al. **J Biol Chem** 254(4):1159-63, 25 Feb 79
The National Cancer Institute experience with testicular cancer. Javadpour N. **J Urol** 120(6):651-9, Dec 78
[Fluctuations in the level of chorionic gonadotropin in the process of primary treatment of trophoblastic tumors] Semenovskii AV. **Akush Ginekol (Mosk)** (12):21-4, Dec 78 (Eng. Abstr.) **(Rus)**

GONADOTROPINS, EQUINE

ADMINISTRATION & DOSAGE

[Use of gravohormone to increase conception and fertility in cows] Konstantinov P, et al. **Vet Med Nauki** 15(4):14-9, 1978 (Eng. Abstr.) **(Bul)**

PHARMACODYNAMICS

Ultrastructure of rat pinealocytes in vitro: influence of gonadotropic hormones and LH-RH. Karasek M, et al. **Cell Tissue Res** 195(3):547-56, 29 Dec 78
Stimulation of estrogen and luteinizing hormone secretion in postpartum beef cows. Echternkamp SE. **J Anim Sci** 47(2):521-31, Aug 78
Temporal changes in ovarian steroid-17alpha-hydroxylase in

immature rats treated with pregnant mare's serum gonadotropin. Johnson DC. **Proc Soc Exp Biol Med** 159(3):484–7, Dec 78

The Sacrewell project: an on farm demonstration of the potential of egg transfer. Newcomb R, et al. **Vet Rec** 103(19):415–8, 4 Nov 78

[Melatonin and gonadoliberin (LH-RH) cells in rat hypothalamus] Léonardelli J, et al. **C R Soc Biol (Paris)** 172(3):481–4, 1978 (Eng. Abstr.) **(Fre)**

PLACENTAL HORMONES

METABOLISM

Biochemical markers in bronchogenic carcinoma. Coombes RC, et al. **Br J Dis Chest** 72(4):263–87, Oct 78 (83 ref.)

SECRETION

Toxemia update. Placental function and its role in toxemia. Tichy AM, et al. **MCN** 4(2):84–9, Mar–Apr 79

PLACENTAL LACTOGEN

ANALYSIS

A prospective evaluation of placental lactogen as a test for neonatal risk. Wenk RE, et al. **Am J Clin Pathol** 71(1):72–4, Jan 79

[Clinico-statistical correlations between HPL and neonatal weight and Apgar index] Basile F, et al. **Minerva Ginecol** 30(12):1089–96, Dec 78 (Eng. Abstr.) **(Ita)**

[The radial immunodiffusion method used in determination of serum HPL] Weisz G, et al. **Minerva Ginecol** 30(12):1085–8, Dec 78 (Eng. Abstr.) **(Ita)**

[Radioimmunologic determination of several hormones in commercial immunoglobulin preparations] Migunov VN, et al. **Zh Mikrobiol Epidemiol Immunobiol** (8):100–3, Aug 78 (Eng. Abstr.) **(Rus)**

BLOOD

Fetal movement monitoring in normal and high-risk pregnancy. Ehrström C. **Acta Obstet Gynecol Scand [Suppl]** (80):1–32, 1979

Enzyme-linked immunosorbent choriomammotropin assay. Dittmar D, et al. **Clin Chem** 25(2):227–9, Feb 79

Discrete modular system for automation of radioimmunoassay of serum choriomammotropin. Hammond GL, et al. **Clin Chem** 25(1):129–31, Jan 79

Enzyme-immunoassay of human placental lactogen. van Hell H, et al. **Clin Chim Acta** 91(3):309–16, 1 Feb 79

Combined batchwise and continuous flow mechanization of solid-phase radioimmunoassays. Schweer HH, et al. **J Clin Chem Clin Biochem** 16(11):625–9, Nov 78

Ovine placental lactogen in maternal and foetal plasma in sheep [proceedings] Taylor MJ, et al. **J Endocrinol** 79(2):39P–40P, Nov 78

Trophoblastic proteins in ovarian carcinoma. Crowther ME, et al. **Obstet Gynecol** 53(1):59–61, Jan 79

[Total serum estriol. Some clinical data of pregnant women in Denmark] Hamann GO, et al. **Ugeskr Laeger** 141(6):360–2, 5 Feb 79 (Eng. Abstr.) **(Dan)**

[Concentrations of total oestriol, non-conjugated oestriol, human placental lactogen and oxytocinase in the serum, and total oestrogens in the urine of pregnant women, following the administration of betamethasone (author's transl)] Knoll E, et al. **J Clin Chem Clin Biochem** 16(11):621–4, Nov 78 (Eng. Abstr.) **(Ger)**

[Clinico-statistical correlations between HPL and neonatal weight and Apgar index] Basile F, et al. **Minerva Ginecol** 30(12):1089–96, Dec 78 (Eng. Abstr.) **(Ita)**

[The radial immunodiffusion method used in determination of serum HPL] Weisz G, et al. **Minerva Ginecol** 30(12):1085–8, Dec 78 (Eng. Abstr.) **(Ita)**

[Level of placental lactogen in amniotic fluid and blood serum in normal and complicated nephropathy during pregnancy] Il'ina GA, et al. **Vopr Okhr Materin Det** 23(11):61–5, Nov 78 (Eng. Abstr.) **(Rus)**

METABOLISM

[Level of placental lactogen in amniotic fluid and blood serum in normal and complicated nephropathy during pregnancy] Il'ina GA, et al. **Vopr Okhr Materin Det** 23(11):61–5, Nov 78 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of anterior pituitary and related peptide hormones on calcium absorption and the metabolism of vitamin D [proceedings] James MF, et al. **J Endocrinol** 79(2):38P–39P, Nov 78

[The influence of pregnancy specific serum factors on the mitogen induced culture of lymphocytes (author's transl)] Kreienberg R, et al. **Geburtshilfe Frauenheilkd** 39(2):121–9, Feb 79 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Hormonal control of parturition in the sheep and goat. Thorburn GD. **Semin Perinatol** 2(3):235–45, Jul 78 (64 ref.)

PARATHYROID AND BONE

I. *Physical and Functional Aspects*

PARATHYROID GLANDS

Preoperative parathyroid identification by ultrasonic scan. Bambach CP, et al. **Med J Aust** 2(6):227–9, 9 Sep 78

ANALYSIS

The basic process of amyotrophic lateral sclerosis as reflected in Kii peninsula and Guam. pp. 413–27. Yase Y. **In: den Hartog Jager, WA, et al., ed. Neurology. Amsterdam, Excerpta Medica, 1978. W3 EX89 no.434 1978.**

Immunohistochemical localization of thyroid hormone in rat thyroid gland. Wilson M, et al. **J Histochem Cytochem** 26(12):1121–4, Dec 78

ANATOMY & HISTOLOGY

Calcium pyrophosphate crystal deposition disease and hyperparathyroidism: a controlled, prospective study. Rynes RI, et al. **J Rheumatol** 5(4):460–8, Winter 78

CYTOLOGY

[Ultrastructure of human parathyroid gland cells in normal subjects and in hyperparathyroidism] Dmitrieva NP, et al. **Arkh Anat Gistol Embriol** 75(12):93–9, Dec 78 (70 ref.) **(Rus)**

DRUG EFFECTS

Effects of prostaglandin E1 on the metabolism in rat parathyroid gland in vitro. Licata AA, et al. **Biochim Biophys Acta** 582(1):59–66, 4 Jan 79

[Thiazide (TH) therapy in idiopathic hypercalciuria (IHC)--effect on parathyroid hormone (PTH) secretion] Tschöpe W, et al. **Verh Dtsch Ges Inn Med** (84):1431–4, 1978 **(Ger)**

METABOLISM

Effects of prostaglandin E1 on the metabolism in rat parathyroid gland in vitro. Licata AA, et al. **Biochim Biophys Acta** 582(1):59–66, 4 Jan 79

Vitamin D physiology and some clinical aspects of the vitamin D endocrine system. Favus MJ. **Med Clin North Am** 62(6):1291–317, Nov 78

Secondary hyperparathyroidism in chronic renal failure. Pathophysiology and treatment. Hanley DA, et al. **Med Clin North Am** 62(6):1319–39, Nov 78 (115 ref.)

PATHOLOGY

Osteopenia, hypercalcemia and an anterior cervical mass. **Am J Med** 66(1):133–40, Jan 79

Primary hyperparathyroidism with multiple parathyroid gland enlargement: review of 53 cases. Scholz DA, et al. **Mayo Clin Proc** 53(12):792–7, Dec 78

Secondary hyperparathyroidism in chronic renal failure. Pathophysiology and treatment. Hanley DA, et al. **Med Clin North Am** 62(6):1319–39, Nov 78 (115 ref.)

Lateral approach for exploration of the parathyroid gland. Stevens JC. **Surg Gynecol Obstet** 148(3):431–2, Mar 79

[Primary hyperparathyroidism. The value of histological studies after conservative resection] Maurer R, et al. **Schweiz Med Wochenschr** 109(1):6–13, 6 Jan 79 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Effect of sodium bicarbonate on phosphate excretion in acute and chronic PTX rats. Zilenovski AM, et al. **Am J Physiol** 236(2):F184–91, Feb 79

Increase in urinary excretion of phosphates, hydroxyproline, and cAMP during acetate desoxycorticosterone + saline treatment in the rat. Berthelot A, et al. **Arch Int Pharmacodyn Ther** 235(2):196–203, Oct 78

Characterization of pinealectomy induced convulsions in the Mongolian gerbil (Meriones unguiculatus). Philo R, et al. **Epilepsia** 19(5):485–92, Oct 78

Radioprotective effect of a protein free parathyroid extract. Feuer L, et al. **Experientia** 34(10):1356–7, 15 Oct 78

The demand for bone calcium in maintenance of plasma calcium concentrations. pp. 73–91. Talmage RV, et al. **In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.**

Diurnal variations in the influence of the ultimobranchial glands on calcium homeostasis in the frog (Rana pipiens). Robertson DR. **J Endocrinol** 79(2):167–78, Nov 78

[Metabolic effects of Solanum malacoxylon in thyroparathyroidectomized rats] Ladizesky M, et al. **Medicina (B Aires)** 38(4):341–6, Jul–Aug 78 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Insulin deficient diabetes. Contrasts with other endocrine deficiencies. Nabarro JD, et al. **Diabetologia** 16(1):5–12, Jan 79 (22 ref.)

SURGERY

Action of parathyroid hormone, with special reference to its anabolic effect on different kinds of tissues in rats (III). Yonaga T. **Bull Tokyo Med Dent Univ** 25(4):259–68, Dec 78

Action of parathyroid hormone, with special reference to its anabolic effect on different kinds of tissues in rats (I). Yonaga T. **Bull Tokyo Med Dent Univ** 25(4):237–48, Dec 78

Action of parathyroid hormone, with special reference to its anabolic effect on different kinds of tissues in rats (II). Yonaga T. **Bull Tokyo Med Dent Univ** 25(4):249–58, Dec 78

Characterization of pinealectomy induced convulsions in the Mongolian gerbil (Meriones unguiculatus). Philo R, et al. **Epilepsia** 19(5):485–92, Oct 78

Bone scintigraphy in renal osteodystrophy. de Graaf P, et al. **J Nucl Med** 19(12):1289–96, Dec 78

Primary hyperparathyroidism with multiple parathyroid gland enlargement: review of 53 cases. Scholz DA, et al. **Mayo Clin Proc** 53(12):792–7, Dec 78

Secondary hyperparathyroidism in chronic renal failure. Pathophysiology and treatment. Hanley DA, et al. **Med Clin North Am** 62(6):1319–39, Nov 78 (115 ref.)

Calcium and sodium excretion in rats in response to prolonged treatment with polythiazide. Edwards BR, et al. **Nephron** 22(4–6):432–8, 1978

Current status of the management of renal osteodystrophy. Fournier A, et al. **Proc Eur Dial Transplant Assoc** 15:547–68, 1978 (50 ref.)

Total parathyroidectomy with autograft of parathyroid tissue in treatment of secondary hyperparathyroidism. Frei U, et al. **Proc Eur Dial Transplant Assoc** 15:540–6, 1978

Acute pseudogout attack following parathyroidectomy. Nahir M, et al. **Rheumatol Rehabil** 17(1):6–7, Feb 78

Lateral approach for exploration of the parathyroid gland. Stevens JC. **Surg Gynecol Obstet** 148(3):431–2, Mar 79

A micropuncture study of HCO3 reabsorption by the hypertrophied proximal tubule. Bank N, et al. **Yale J Biol Med** 51(3):275–82, May–Jun 78

[Assessment of the urological benefit of surgery of primary hyperparathyroidism (author's transl)] Proye C, et al. **Ann Chir** 32(7):329–33, Sep 78 (Eng. Abstr.) **(Fre)**

[Hyperparathyroidism and metabolic acidosis (author's transl)] Girndt J, et al. **Dtsch Med Wochenschr** 104(8):285–7, 23 Feb 79 (Eng. Abstr.) **(Ger)**

[Primary hyperparathyroidism. The value of histological studies after conservative resection] Maurer R, et al. **Schweiz Med Wochenschr** 109(1):6–13, 6 Jan 79 (Eng. Abstr.) **(Ger)**

TRANSPLANTATION

Parathyroid autotransplantation: an innovative approach. Edis AJ, et al. **Hosp Pract** 14(1):78–84, Jan 79

Total parathyroidectomy with autograft of parathyroid tissue in treatment of secondary hyperparathyroidism. Frei U, et al. **Proc Eur Dial Transplant Assoc** 15:540–6, 1978

Lateral approach for exploration of the parathyroid gland. Stevens JC. **Surg Gynecol Obstet** 148(3):431–2, Mar 79

ULTRASTRUCTURE

[Ultrastructure of human parathyroid gland cells in normal subjects and in hyperparathyroidism] Dmitrieva NP, et al. **Arkh Anat Gistol Embriol** 75(12):93–9, Dec 78 (70 ref.) **(Rus)**

PARATHYROID AND BONE

II. Disorders of the Parathyroid Glands

HYPERPARATHYROIDISM

[Hyperparathyroidism] Pape K. **Stomatol DDR** 28(9):661–71, Sep 78 (Eng. Abstr.) **(Ger)**

BLOOD

Effect of verapamil on insulin response to alcohol hypoglycemia in patients with primary hyperparathyroidism. Röjdmark S. **Diabetes** 28(1):21–5, Jan 79

[Hypergastrinemia secondary to achlorhydria during primary hyperparathyroidism. 2 cases (letter)] Bernades P, et al. **Nouv Presse Med** 7(38):3461, 4 Nov 78 **(Fre)**

COMPLICATIONS

Intrauterine hyperparathyroidism. Postmortem findings in two cases. Stuart C, et al. **Am J Dis Child** 133(1):67–70, Jan 79

Central nervous system manifestations of hyperparathyroidism. Cogan MG, et al. **Am J Med** 65(6):963–70, Dec 78

Diseases of the optic nerve, tracts, and visual cortex: an annual review of the ophthalmic literature. Williams TD. **Am J Optom Physiol Opt** 55(9):652–9, Sep 78 (33 ref.)

Calcium, phosphate and parathyroid disturbances in acute renal failure. Black AM. **Anaesth Intensive Care** 6(4):342–9, Nov 78

Paget's disease of bone and hyperparathyroidism: coincidence or causal relationship? Posen S, et al. **Calcif Tissue Res** 26(2):107–9, 8 Dec 78

Hypercalcemia and cancer: an update. Murray TM, et al. **Can Med Assoc J** 119(8):915–20, 21 Oct 78 (65 ref.)

Calcium pyrophosphate crystal deposition disease and hyperparathyroidism: a controlled, prospective study. Rynes RI, et al. **J Rheumatol** 5(4):460–8, Winter 78

Experience with the radioimmunoassay for parathyroid hormone in the diagnosis of primary hyperparathyroidism. Carswell GF, et al. **Trans Am Assoc Genitourin Surg** 69:113–7, 1977

[Assessment of the urological benefit of surgery of primary hyperparathyroidism (author's transl)] Proye C, et al. **Ann Chir** 32(7):329–33, Sep 78 (Eng. Abstr.) **(Fre)**

[Hypergastrinemia secondary to achlorhydria during primary hyperparathyroidism. 2 cases (letter)] Bernades P, et al. **Nouv Presse Med** 7(38):3461, 4 Nov 78 **(Fre)**

[Relations between hypercalcemia and peptic ulcer] Abeatici S, et al. **Minerva Chir** 33(23–24):1697–704, 15–31 Dec 78 (Eng. Abstr.) **(Ita)**

[Clinical considerations on a case of Fahr's disease] Franco N, et al. **Riv Neurobiol** 23(4):255–61, Oct–Dec 77 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Osteopenia, hypercalcemia and an anterior cervical mass. **Am J Med** 66(1):133–40, Jan 79

Presentation of primary hyperparathyroidism to a general medical unit. Sheridan P. **Postgrad Med J** 54(634):547–51, Aug 78

Lateral approach for exploration of the parathyroid gland. Stevens JC. **Surg Gynecol Obstet** 148(3):431–2, Mar 79

Experience with the radioimmunoassay for parathyroid hormone in the diagnosis of primary hyperparathyroidism. Carswell GF, et al. **Trans Am Assoc Genitourin Surg** 69:113–7, 1977

[Calcitonin and hypercalcaemia (author's transl)] Milhaud G, et al. **Sem Hop Paris** 54(29–32):911–7, 8–15 Oct 78 (Eng. Abstr.) **(Fre)**

[Muscle flaccidity as a leading and warning symptom in endocrinopathies] Pongratz D, et al. **Verh Dtsch Ges Inn Med** (84):846–52, 1978 (35 ref.) **(Ger)**

DRUG THERAPY

Does cimetidine inhibit parathyroid hormone secretion? [letter] Sherwood J, et al. **N Engl J Med** 300(4):200–1, 25 Jan 79

Chlorpropamide-induced changes in patients with hyperparathyroidism. Numann PJ, et al. **Surgery** 85(2):196–200, Feb 79

ETIOLOGY

Parathyroid autotransplantation: an innovative approach. Edis AJ, et al. **Hosp Pract** 14(1):78–84, Jan 79

Presentation of primary hyperparathyroidism to a general medical unit. Sheridan P. **Postgrad Med J** 54(634):547–51, Aug 78

FAMILIAL & GENETIC

Primary hyperparathyroidism with multiple parathyroid gland enlargement: review of 53 cases. Scholz DA, et al. **Mayo Clin Proc** 53(12):792–7, Dec 78

METABOLISM

Central nervous system manifestations of hyperparathyroidism. Cogan MG, et al. **Am J Med** 65(6):963–70, Dec 78

Calcium pyrophosphate crystal deposition disease and hyperparathyroidism: a controlled, prospective study. Rynes RI, et al. **J Rheumatol** 5(4):460–8, Winter 78

Chlorpropamide-induced changes in patients with hyperparathyroidism. Numann PJ, et al. **Surgery** 85(2):196–200, Feb 79

[Tubular functional disorders in diseases of the renal parenchyma] Ritz E, et al. **Med Welt** 30(6):220–6, 9 Feb 79 (43 ref.) **(Ger)**

[Plasma hydroxyproline determination in patients with metabolic diseases of the bone collagen] Leicht E, et al. **Verh Dtsch Ges Inn Med** (84):1115–9, 1978 **(Ger)**

[Plasma and urinary cyclic nucleotides in parathyroid disorders--effect of parathyroid hormone (author's transl)] Nakagawa H, et al. **Nippon Naika Gakkai Zasshi** 67(11):1406–11, 10 Nov 78 **(Jpn)**

PATHOLOGY

Osteopenia, hypercalcemia and an anterior cervical mass. **Am J Med** 66(1):133–40, Jan 79

Bone scintigraphy in renal osteodystrophy. de Graaf P, et al. **J Nucl Med** 19(12):1289–96, Dec 78

Primary hyperparathyroidism with multiple parathyroid gland enlargement: review of 53 cases. Scholz DA, et al. **Mayo Clin Proc** 53(12):792–7, Dec 78

Morphologic and morphometric studies on human C cells in disorders of calcium metabolism. Nadig J, et al. **Virchows Arch [Cell Pathol]** 29(3):151–65, 21 Dec 78

[Primary hyperparathyroidism. The value of histological studies after conservative resection] Maurer R, et al. **Schweiz Med Wochenschr** 109(1):6–13, 6 Jan 79 (Eng. Abstr.) **(Ger)**

[Ultrastructure of human parathyroid gland cells in normal subjects and in hyperparathyroidism] Dmitrieva NP, et al. **Arkh Anat Gistol Embriol** 75(12):93–9, Dec 78 (70 ref.) **(Rus)**

PHYSIOPATHOLOGY

Effect of verapamil on insulin response to alcohol hypoglycemia in patients with primary hyperparathyroidism. Röjdmark S. **Diabetes** 28(1):21–5, Jan 79

Secondary hyperparathyroidism in chronic renal failure. Pathophysiology and treatment. Hanley DA, et al. **Med Clin North Am** 62(6):1319–39, Nov 78 (115 ref.)

RADIOGRAPHY

Osteopenia, hypercalcemia and an anterior cervical mass. **Am J Med** 66(1):133–40, Jan 79

Abnormalities of bone and soft tissue following renal transplantation. Resnick D. **Semin Roentgenol** 13(4):329–40, Oct 78

SURGERY

Central nervous system manifestations of hyperparathyroidism. Cogan MG, et al. **Am J Med**

65(6):963–70, Dec 78
Parathyroid autotransplantation: an innovative approach. Edis AJ, et al. **Hosp Pract** 14(1):78–84, Jan 79
Primary hyperparathyroidism with multiple parathyroid gland enlargement: review of 53 cases. Scholz DA, et al. **Mayo Clin Proc** 53(12):792–7, Dec 78
Preoperative parathyroid identification by ultrasonic scan. Bambach CP, et al. **Med J Aust** 2(6):227–9, 9 Sep 78
Lateral approach for exploration of the parathyroid gland. Stevens JC. **Surg Gynecol Obstet** 148(3):431–2, Mar 79
[Assessment of the urological benefit of surgery of primary hyperparathyroidism (author's transl)] Proye C, et al. **Ann Chir** 32(7):329–33, Sep 78 (Eng. Abstr.) **(Fre)**
[Primary hyperparathyroidism. The value of histological studies after conservative resection] Maurer R, et al. **Schweiz Med Wochenschr** 109(1):6–13, 6 Jan 79 (Eng. Abstr.) **(Ger)**
[Surgical treatment of primary hyperparathyroidism] Tsarikovskaia NG, et al. **Klin Khir** (12):12–5, Dec 78 (Eng. Abstr.) **(Rus)**

THERAPY

Secondary hyperparathyroidism in chronic renal failure. Pathophysiology and treatment. Hanley DA, et al. **Med Clin North Am** 62(6):1319–39, Nov 78 (115 ref.)

URINE

A micropuncture study of HCO3 reabsorption by the hypertrophied proximal tubule. Bank N, et al. **Yale J Biol Med** 51(3):275–82, May–Jun 78

HYPERPARATHYROIDISM, SECONDARY

COMPLICATIONS

Central nervous system manifestations of hyperparathyroidism. Cogan MG, et al. **Am J Med** 65(6):963–70, Dec 78
[Hyperparathyroidism and metabolic acidosis (author's transl)] Girndt J, et al. **Dtsch Med Wochenschr** 104(8):285–7, 23 Feb 79 (Eng. Abstr.) **(Ger)**

DIET THERAPY

Hyperphosphatemia and hypocalcemia in lemurs. Tomson FN, et al. **J Am Vet Med Assoc** 173(9):1103–6, 1 Nov 78

ETIOLOGY

Intrauterine hyperparathyroidism. Postmortem findings in two cases. Stuart C, et al. **Am J Dis Child** 133(1):67–70, Jan 79
Primary hyperparathyroidism with multiple parathyroid gland enlargement: review of 53 cases. Scholz DA, et al. **Mayo Clin Proc** 53(12):792–7, Dec 78
Does long term haemofiltration provoke secondary hyperparathyroidism? Schneider H, et al. **Proc Eur Dial Transplant Assoc** 15:532–9, 1978
[Hyperparathyroidism] Pape K. **Stomatol DDR** 28(9):661–71, Sep 78 (Eng. Abstr.) **(Ger)**
[Clinical study of renal osteodystrophy in chronic dialysis patients by means of whole body skeletal scintiphotography (author's transl)] Kida T, et al. **Kaku Igaku** 15(7):1005–11, Oct 78 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Intrauterine hyperparathyroidism. Postmortem findings in two cases. Stuart C, et al. **Am J Dis Child** 133(1):67–70, Jan 79

METABOLISM

Central nervous system manifestations of hyperparathyroidism. Cogan MG, et al. **Am J Med** 65(6):963–70, Dec 78
Gastric acid secretion, calcitonin and secondary hyperparathyroidism in uremic patients undergoing regular dialysis therapy (RDT). Antonucci F, et al. **Int J Artif Organs** 1(6):260–5, Nov 78
A micropuncture study of HCO3 reabsorption by the hypertrophied proximal tubule. Bank N, et al. **Yale J Biol Med** 51(3):275–82, May–Jun 78

PATHOLOGY

Intrauterine hyperparathyroidism. Postmortem findings in two cases. Stuart C, et al. **Am J Dis Child** 133(1):67–70, Jan 79
Morphologic and morphometric studies on human C cells in disorders of calcium metabolism. Nadig J, et al. **Virchows Arch [Cell Pathol]** 29(3):151–65, 21 Dec 78

PHYSIOPATHOLOGY

Hypomagnesemia. Suppression of secondary hyperparathyroidism in chronic renal failure. Miller PD, et al. **JAMA** 241(7):722–3, 16 Feb 79

PREVENTION & CONTROL

Does long term haemofiltration provoke secondary hyperparathyroidism? Schneider H, et al. **Proc Eur Dial Transplant Assoc** 15:532–9, 1978

RADIONUCLIDE IMAGING

[Clinical study of renal osteodystrophy in chronic dialysis patients by means of whole body skeletal scintiphotography (author's transl)] Kida T, et al. **Kaku Igaku** 15(7):1005–11, Oct 78 (Eng. Abstr.) **(Jpn)**

SURGERY

Central nervous system manifestations of hyperparathyroidism. Cogan MG, et al. **Am J Med** 65(6):963–70, Dec 78
Primary hyperparathyroidism with multiple parathyroid gland enlargement: review of 53 cases. Scholz DA, et al. **Mayo Clin Proc** 53(12):792–7, Dec 78
Total parathyroidectomy with autograft of parathyroid tissue in treatment of secondary hyperparathyroidism. Frei U, et al. **Proc Eur Dial Transplant Assoc** 15:540–6, 1978
[Hyperparathyroidism and metabolic acidosis (author's transl)] Girndt J, et al. **Dtsch Med Wochenschr** 104(8):285–7, 23 Feb 79 (Eng. Abstr.) **(Ger)**

THERAPY

Secondary hyperparathyroidism in chronic renal failure. Pathophysiology and treatment. Hanley DA, et al. **Med Clin North Am** 62(6):1319–39, Nov 78 (115 ref.)

VETERINARY

Hyperphosphatemia and hypocalcemia in lemurs. Tomson FN, et al. **J Am Vet Med Assoc** 173(9):1103–6, 1 Nov 78

HYPOPARATHYROIDISM

BLOOD

[Reflex reactions of the spinal cord in hypoparathyroidism] Khudaverdian DN. **Biull Eksp Biol Med** 86(12):659–62, Dec 78 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Evidence for defective immunoregulation in the syndrome of familial candidiasis endocrinopathy. Arulanantham K, et al. **N Engl J Med** 300(4):164–8, 25 Jan 79
Functional hypoparathyroidism in infantile hypocalcaemic stage I vitamin D deficiency rickets. Bonnici F. **S Afr Med J** 54(15):611–2, 7 Oct 78

DIAGNOSIS

[Hypoparathyroidism in adults (author's transl)] Vagneur JP, et al. **Ann Endocrinol (Paris)** 39(5):373–85, 1978 (Eng. Abstr.) **(Fre)**
[Tetany and hypoparathyroidism] Wittermann ER. **Med Klin** 74(8):247–56, 23 Feb 79 (37 ref.) **(Ger)**

DRUG THERAPY

Case report: hypoparathyroidism and iron storage disease. Treatment with 25-hydroxy-vitamin D3. Mautalen CA, et al. **Am J Med Sci** 276(3):363–8, Nov–Dec 78
[Drug information. Etalpha] Madsen S, et al. **Ugeskr Laeger** 141(5):310–2, 29 Jan 79 **(Dan)**
[Hypoparathyroidism in adults (author's transl)] Vagneur JP, et al. **Ann Endocrinol (Paris)** 39(5):373–85, 1978 (Eng. Abstr.) **(Fre)**

[Effects of 1 alpha-OH-D3 on idiopathic hypoparathyroidism] Maeda R, et al. **Horumon To Rinsho** 26(10):1097-102, Oct 78 **(Jpn)**

[Reflex reactions of the spinal cord in hypoparathyroidism] Khudaverdian DN. **Biull Eksp Biol Med** 86(12):659-62, Dec 78 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Case report: hypoparathyroidism and iron storage disease. Treatment with 25-hydroxy-vitamin D3. Mautalen CA, et al. **Am J Med Sci** 276(3):363-8, Nov-Dec 78

Surgical management of hypopharyngeal cancer. Particular reference to the gastric 'pull-up' operation. Harrison DF. **Arch Otolaryngol** 105(3):149-52, Mar 79

Vitamin D physiology and some clinical aspects of the vitamin D endocrine system. Favus MJ. **Med Clin North Am** 62(6):1291-317, Nov 78

[Tetany and hypoparathyroidism] Wittermann ER. **Med Klin** 74(8):247-56, 23 Feb 79 (37 ref.) **(Ger)**

FAMILIAL & GENETIC

Evidence for defective immunoregulation in the syndrome of familial candidiasis endocrinopathy. Arulanantham K, et al. **N Engl J Med** 300(4):164-8, 25 Jan 79

METABOLISM

Case report: hypoparathyroidism and iron storage disease. Treatment with 25-hydroxy-vitamin D3. Mautalen CA, et al. **Am J Med Sci** 276(3):363-8, Nov-Dec 78

[Plasma and urinary cyclic nucleotides in parathyroid disorders--effect of parathyroid hormone (author's transl)] Nakagawa H, et al. **Nippon Naika Gakkai Zasshi** 67(11):1406-11, 10 Nov 78 **(Jpn)**

PATHOLOGY

[Pseudovitamin D-deficient rachitis in a child with hypoparathyroidism] Omel'chenko LI, et al. **Pediatr Akush Ginekol** (6):28-30, Nov-Dec 78 **(Ukr)**

PHYSIOPATHOLOGY

[Reflex reactions of the spinal cord in hypoparathyroidism] Khudaverdian DN. **Biull Eksp Biol Med** 86(12):659-62, Dec 78 (Eng. Abstr.) **(Rus)**

THERAPY

[Tetany and hypoparathyroidism] Wittermann ER. **Med Klin** 74(8):247-56, 23 Feb 79 (37 ref.) **(Ger)**

PARATHYROID DISEASES

DIAGNOSIS

[EDTA test for the diagnosis of relative parathyroid insufficiency in childhood] Albrecht K, et al. **Kinderaerztl Prax** 46(12):658-62, Dec 78 **(Ger)**

PARATHYROID NEOPLASMS

COMPLICATIONS

Parathyroid autotransplantation: an innovative approach. Edis AJ, et al. **Hosp Pract** 14(1):78-84, Jan 79

Presentation of primary hyperparathyroidism to a general medical unit. Sheridan P. **Postgrad Med J** 54(634):547-51, Aug 78

DIAGNOSIS

[Parathyroid adenoma] Spaček B, et al. **Rozhl Chir** 57(11):716-21, Nov 78 (Eng. Abstr.) **(Cze)**

[Preoperative diagnosis of parathyroid neoplasms by means of stepwise supraselective blood collection for the determination of the parathyroid hormone level] Schmidt E, et al. **Verh Dtsch Ges Inn Med** (84):1425-8, 1978**(Ger)**

PATHOLOGY

Ectopic ACTH-MSH producing carcinoid tumor with multiple endocrine hyperplasia in a child. Amano S, et al. **Acta Pathol Jpn** 28(5):721-30, Sep 78

SURGERY

Parathyroid autotransplantation: an innovative approach. Edis AJ, et al. **Hosp Pract** 14(1):78-84, Jan 79

Lateral approach for exploration of the parathyroid gland. Stevens JC. **Surg Gynecol Obstet** 148(3):431-2, Mar 79

[Parathyroid adenoma] Spaček B, et al. **Rozhl Chir** 57(11):716-21, Nov 78 (Eng. Abstr.) **(Cze)**

[Postoperative behavior of parathyroid hormone dependent parameters after the removal of parathyroid adenomas] Keck E, et al. **Med Welt** 30(4):136-40, 26 Jan 79 **(Ger)**

ULTRASTRUCTURE

[Ultrastructure of human parathyroid gland cells in normal subjects and in hyperparathyroidism] Dmitrieva NP, et al. **Arkh Anat Gistol Embriol** 75(12):93-9, Dec 78 (70 ref.) **(Rus)**

PARATHYROID AND BONE

III. Parathyroid Hormone

PARATHYROID HORMONE

Complete amino acid sequence of human parathyroid hormone. Keutmann HT, et al. **Biochemistry** 17(26):5723–9, 26 Dec 78

ANALYSIS

The basic process of amyotrophic lateral sclerosis as reflected in Kii peninsula and Guam. pp. 413–27. Yase Y.
In: den Hartog Jager, WA, et al., ed. Neurology. Amsterdam, Excerpta Medica, 1978. W3 EX89 no.434 1978.

Amino-terminal labelled antibody assay for human parathyroid hormone [proceedings] Papapoulos SE, et al. **J Endocrinol** 79(2):33P–34P, Nov 78

[Diagnosis of renal osteopathy] Schulz W.
Dtsch Med Wochenschr 103(51):2023–5, 22 Dec 78 **(Ger)**

ANTAGONISTS & INHIBITORS

Does cimetidine inhibit parathyroid hormone secretion? [letter] Sherwood J, et al. **N Engl J Med** 300(4):200–1, 25 Jan 79

BIOSYNTHESIS

Conversion of pre-proparathyroid hormone to proparathyroid hormone by dog pancreatic microsomes. Dorner AJ, et al. **Biochemistry** 17(25):5550–5, 12 Dec 78

BLOOD

Case report: hypoparathyroidism and iron storage disease. Treatment with 25-hydroxy-vitamin D3. Mautalen CA, et al. **Am J Med Sci** 276(3):363–8, Nov-Dec 78

Plasma 1,25-dihydroxyvitamin D and parathyroid hormone levels in paretic dairy cows. Horst RL, et al.
Am J Physiol 235(6):E634–7, Dec 78

Calcium and phosphorus deficiency in rats: effects on PTH and 1,25-dihydroxyvitamin D3. Rader JI, et al.
Am J Physiol 236(2):E118–22, Feb 79

Calcium, phosphate and parathyroid disturbances in acute renal failure. Black AM. **Anaesth Intensive Care** 6(4):342–9, Nov 78

Chronic hemofiltration. A critical evaluation of a new method for the treatment of blood. Schaefer K, et al.
Artif Organs 2(4):386–94, Nov 78

Intestinal calcium absorption, serum phosphate, and parathyroid hormone in patients with chronic renal failure and osteodystrophy before and during hemodialysis. Juttmann JR, et al. **Calcif Tissue Res** 26(2):119–26, 8 Dec 78

Osteoporosis: juvenile, idiopathic and postmenopausal. pp. 345–63. Jowsey JO, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

Gastric acid secretion, calcitonin and secondary hyperparathyroidism in uremic patients undergoing regular dialysis therapy (RDT). Antonucci F, et al.
Int J Artif Organs 1(6):260–5, Nov 78

Analysis of parathyroid hormone and its fragments in rat tissues: chemical identification and microscopical localization. D'Amour P, et al. **J Clin Invest** 63(1):89–98, Jan 79

Cytochemical bioassay of parathyroid hormone [proceedings] Chambers DJ, et al. **J Endocrinol** 79(2):34P–35P, Nov 78

Amino-terminal labelled antibody assay for human parathyroid hormone [proceedings] Papapoulos SE, et al. **J Endocrinol** 79(2):33P–34P, Nov 78

Calcium pyrophosphate crystal deposition disease and hyperparathyroidism: a controlled, prospective study. Rynes RI, et al. **J Rheumatol** 5(4):460–8, Winter 78

Calcium and parathyroid disorders in children. Chronic renal failure and treatment with calcitriol. Chan JC, et al.
JAMA 241(12):1242–4, 23 Mar 79

Actual concept of osteoporosis in paraplegia. Chantraine A. **Paraplegia** 16(1):51–8, May 78

Biological activity of endogenous and exogenous calcitonin in patients with osteitis fibrosa and chronic renal failure. Cundy T, et al. **Proc Eur Dial Transplant Assoc** 15:524–31, 1978

Influence of haemoperfusion on plasma levels of hormones and beta-methyldigoxin. Kokot F, et al.
Proc Eur Dial Transplant Assoc 15:604–6, 1978

Experience with the radioimmunoassay for parathyroid hormone in the diagnosis of primary hyperparathyroidism. Carswell GF, et al. **Trans Am Assoc Genitourin Surg** 69:113–7, 1977

[Preoperative diagnosis of parathyroid neoplasms by means of stepwise supraselective blood collection for the determination of the parathyroid hormone level] Schmidt E, et al. **Verh Dtsch Ges Inn Med** (84):1425–8, 1978**(Ger)**

CHEMICAL SYNTHESIS

Production and characterization of antisera to synthetic 1–34 human parathyroid hormone fragments: possible implications for the correctness of proposed structures. Visser TJ, et al. **Acta Endocrinol (Copenh)** 90(1):90–102, Jan 79

Chemical synthesis of the precursor-specific region of pre-proparathyroid hormone. Rosenblatt M, et al.
J Biol Chem 254(4):1414–21, 25 Feb 79

IMMUNOLOGY

Production and characterization of antisera to synthetic 1–34 human parathyroid hormone fragments: possible implications for the correctness of proposed structures. Visser TJ, et al. **Acta Endocrinol (Copenh)** 90(1):90–102, Jan 79

METABOLISM

Hypercalcemia and cancer: an update. Murray TM, et al.
Can Med Assoc J 119(8):915–20, 21 Oct 78 (65 ref.)

Properties of the parathyroid hormone receptor–adenylate cyclase system in chicken renal plasma membranes. Nissenson RA, et al. **J Biol Chem** 254(5):1469–75, 10 Mar 79

Analysis of parathyroid hormone and its fragments in rat tissues: chemical identification and microscopical localization. D'Amour P, et al. **J Clin Invest** 63(1):89–98, Jan 79

Diurnal variations in the influence of the ultimobranchial glands on calcium homeostasis in the frog (Rana pipiens). Robertson DR. **J Endocrinol** 79(2):167–78, Nov 78

[Calcium metabolism (editorial)] **S Afr Med J** 54(14):551, 30 Sep 78 **(Afr)**

[Obesity and adipose tissue. 2. Hormonal regulation of adipose tissue metabolism] Kather H, et al. **Fortschr Med** 96(35):1741–5, 21 Sep 78 (Eng. Abstr.) **(Ger)**

[Relationships between magnesium and parathyroid hormone metabolism in healthy subjects, patients with chronic kidney failure and permanent dialysis patients] Samizadeh A, et al. **Verh Dtsch Ges Inn Med** (84):1294–7, 1978 **(Ger)**

PHARMACODYNAMICS

Antiphosphaturic action of 25 (OH) vitamin D3 in experimental Fanconi syndrome. Popovtzer MM, et al.
Am J Physiol 236(2):E90–7, Feb 79

Potentiation of GTP of hormone-responsive adenylate cyclase in renal cortex plasma membrane preparations. Liang CT, et al. **Biochem Biophys Res Commun** 85(4):1440–5, 29 Dec 78

Carbonic anhydrase, cyclic AMP, and the phosphaturia of parathyroid hormone. Lineberry MD, et al.
Biochem Med 20(2):208–18, Oct 78

The regulation of amino acid transport in animal cells. Guidotti GG, et al. **Biochim Biophys Acta** 515(4):329–66, 15 Dec 78 (430 ref.)

Action of parathyroid hormone, with special reference to its anabolic effect on different kinds of tissues in rats (II). Yonaga T. **Bull Tokyo Med Dent Univ** 25(4):249–58, Dec 78

Action of parathyroid hormone, with special reference to its anabolic effect on different kinds of tissues in rats (I). Yonaga T. **Bull Tokyo Med Dent Univ** 25(4):237–48, Dec 78

Action of parathyroid hormone, with special reference to its anabolic effect on different kinds of tissues in rats (III).

Yonaga T. **Bull Tokyo Med Dent Univ** 25(4):259–68, Dec 78

Effects of parathyroid hormone on the osteoclastic pool, bone resorption and formation in rat alveolar bone. Vignery A, et al. **Calcif Tissue Res** 26(1):23–8, 10 Nov 78

Effects of hormones on osteocyte function and perilacunar wall structure. Baud CA, et al. **Clin Orthop** (136):270–81, Oct 78 (81 ref.)

In vitro relative biological activities of (1--34)N-terminal synthetic fragments of human parathyroid hormone in the human renal cortical adenylate cyclase assay. Monet JD, et al. **FEBS Lett** 96(1):79–82, 1 Dec 78

The response of osteoclasts to prostaglandin and osteoclast activating factor as measured by ultrastructural morphometry. pp. 13–20. Holtrop ME, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

Regulation of the synthesis of bone matrix in organ culture. pp. 39–45. Raisz LG, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

Bone-resorbing activity in serum albumin. pp. 123–6. Stern P, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

The demand for bone calcium in maintenance of plasma calcium concentrations. pp. 73–91. Talmage RV, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

The effect of parathormone on the synthesis of collagenous matrix by isolated bone cells. pp. 47–59. Wong GL, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

Induction by parathyroid hormone of ornithine decarboxylase in rabbit costal chondrocytes in culture. Takigawa M, et al. **J Biochem (Tokyo)** 85(1):311–4, Jan 79

Renal tubular effects of 1,25-dihydroxy vitamin D3: interactions with vasopressin and parathyroid hormone in the vitamin D-depleted rat. Puschett JB, et al.
J Lab Clin Med 92(6):895–903, Dec 78

Hormonal regulation of bone formation. Raisz LG, et al.
Recent Prog Horm Res 34:335–56, 1978 (46 ref.)

[Plasma and urinary cyclic nucleotides in parathyroid disorders--effect of parathyroid hormone (author's transl)] Nakagawa H, et al. **Nippon Naika Gakkai Zasshi** 67(11):1406–11, 10 Nov 78 **(Jpn)**

PHYSIOLOGY

Effect of sodium bicarbonate on phosphate excretion in acute and chronic PTX rats. Zilenovski AM, et al.
Am J Physiol 236(2):F184–91, Feb 79

Action of parathyroid hormone, with special reference to its anabolic effect on different kinds of tissues in rats (II). Yonaga T. **Bull Tokyo Med Dent Univ** 25(4):249–58, Dec 78

Action of parathyroid hormone, with special reference to its anabolic effect on different kinds of tissues in rats (I). Yonaga T. **Bull Tokyo Med Dent Univ** 25(4):237–48, Dec 78

Action of parathyroid hormone, with special reference to its anabolic effect on different kinds of tissues in rats (III). Yonaga T. **Bull Tokyo Med Dent Univ** 25(4):259–68, Dec 78

Evidence for a parathyroid hormone-independent influence of calcium on renal phosphate transport [proceedings] Greger R, et al. **J Physiol (Lond)** 284:62P, Nov 78

Secondary hyperparathyroidism in chronic renal failure. Pathophysiology and treatment. Hanley DA, et al.
Med Clin North Am 62(6):1319–39, Nov 78 (115 ref.)

The syndromes of primary hormone resistance. Verhoeven GF, et al. **Metabolism** 28(3):253–89, Mar 79 (300 ref.)

Calcium and sodium excretion in rats in response to prolonged treatment with polythiazide. Edwards BR, et al. **Nephron** 22(4–6):432–8, 1978

Interrelationships between calcium, calcemic hormones and gastrointestinal hormones. Cooper CW, et al.
Recent Prog Horm Res 34:259–83, 1978 (32 ref.)

[Postoperative behavior of parathyroid hormone dependent parameters after the removal of parathyroid adenomas] Keck E, et al. **Med Welt** 30(4):136–40, 26 Jan 79 **(Ger)**

SECRETION

Effects of prostaglandin E1 on the metabolism in rat parathyroid gland in vitro. Licata AA, et al.
Biochim Biophys Acta 582(1):59–66, 4 Jan 79

Poorly differentiated lymphocytic lymphoma with ectopic parathormone production: visulization of metastatic calcification by bone scan. Williamson BR, et al.
Clin Nucl Med 3(10):382–4, Oct 78

Hypomagnesemia. Suppression of secondary hyperparathyroidism in chronic renal failure. Miller PD, et al. **JAMA** 241(7):722–3, 16 Feb 79

Does cimetidine inhibit parathyroid hormone secretion? [letter] Sherwood J, et al. **N Engl J Med** 300(4):200–1, 25 Jan 79

Advances in endocrinology. Hardisty CA, et al.
Practitioner 221(1324):499–503, Oct 78

[Hyperparathyroidism] Pape K. **Stomatol DDR** 28(9):661–71, Sep 78 (Eng. Abstr.) **(Ger)**

[Elevated parathyroid hormone secretion as a modification cause of acidosis in kidney failure] Girndt J, et al.
Verh Dtsch Ges Inn Med (84):1428–31, 1978 **(Ger)**

[Parathyroid hormone and cyclic AMP in kidney failure] Klehr HU, et al. **Verh Dtsch Ges Inn Med** (84):1291–4, 1978 **(Ger)**

[Thiazide (TH) therapy in idiopathic hypercalciuria (IHC)--effect on parathyroid hormone (PTH) secretion] Tschöpe W, et al. **Verh Dtsch Ges Inn Med** (84):1431–4, 1978 **(Ger)**

PARATHYROID AND BONE

IV. Bone Metabolism and Related Topics

BONE AND BONES

Surface area of dental enamel, bone, and hydroxyapatite: chemisorption from solution. Misra DN, et al. **Calcif Tissue Res** 26(2):139–42, 8 Dec 78

Plasma protein binding of 99mTc-pyrophosphate. Saha GB, et al. **Int J Nucl Med Biol** 5(6):236–9, 1978

The examination of saw marks. Andahl RO. **J Forensic Sci Soc** 18(1–2):31–46, Jan–Apr 78

Artifacts in tissue sections. Wallington EA. **Med Lab Sci** 36(1):3–61, Jan 79 (73 ref.)

Combined cortical thickness and bone density determination by photon absorptiometry. Kraner HW, et al. **Phys Med Biol** 23(6):1101–14, Nov 78

[A method for the bone-maceration, by proteolytic and lipolytic enzymes and the extraction of lipids (author's transl)] Kitoh J, et al. **Psychiatr Commun** 53(5):362–4, 1978 (Eng. Abstr.) **(Jpn)**

[Manufacture and the veterinary and sanitary control of the production put out by specialized plants] Ivanov VG, et al. **Veterinariia** (1):25–7, Jan 79 **(Rus)**

ABNORMALITIES

Picture of the month. Gellis SS, et al. **Am J Dis Child** 133(2):205–6, Feb 79

Ocular findings in thoracic-pelvic-phalangeal dystrophy. Allen AW Jr, et al. **Arch Ophthalmol** 97(3):489–92, Mar 79

Colonic and oesophageal disturbance in a patient with multiple endocrine neoplasia, type 2b. Cuthbert JA, et al. **Aust NZ J Med** 8(5):518–20, Oct 78

The genetics of hand malformations. Temtamy SA, et al. **Birth Defects** 14(3):i-xviii, 1–619, 1978

An assessment of the hazards of amniocentesis. Report to the Medical Research Council by their Working Party on Amniocentesis. **Br J Obstet Gynaecol** 85 Suppl 2:1–41, 1978

Developmental modulation of lectin-binding sites on the surface membranes of normal and brachypod mouse limb mesenchymal cells. Hewitt AT, et al. **Differentiation** 10(1):31–8, 13 Jan 78

Familial basal cell nevus syndrome. Lorenz R, et al. **Hum Genet** 44(2):153–63, 31 Oct 78

Melnick-Needles syndrome. Perry LD, et al. **j Pediatr Opthalmol Strabismus** 15(4):226–30, Jul–Aug 78

Embryotoxic effects of methylmercuric chloride administered to mice and rats during orangogenesis. Fuyuta M, et al. **Teratology** 18(3):353–66, Dec 78

The differentiation of the columella in avian embryos treated with hadacidin with some observations on other skeletal abnormalities. Jaskoll TF, et al. **Teratology** 18(3):321–32, Dec 78

[X-ray aspects of the trisomy 4p syndrome (proceedings)] Dallapiccola B, et al. **Radiol Med (Torino)** 64(11):1286–8, Nov 78 **(Ita)**

[Skeletal changes suggesting syndromes caused by chromosome alterations (proceedings)] Dallapiccola B, et al. **Radiol Med (Torino)** 64(11):1285–6, Nov 78 **(Ita)**

[Unusual syndromes caused by autosome abnormalities (proceedings)] De Giuli S, et al. **Radiol Med (Torino)** 64(11):1286, Nov 78 **(Ita)**

[Clinico-radiological findings in Noonan's syndrome (proceedings)] Montanelli C, et al. **Radiol Med (Torino)** 64(11):1289–90, Nov 78 **(Ita)**

ANALYSIS

Studies on mechanical strength of bone. I. Torsional strength of normal rabbit tibio-fibular bone. Paavolainen P. **Acta Orthop Scand** 49(6):497–505, Dec 78

Cemented tungsten carbide pneumoconiosis. Kitamura H, et al. **Acta Pathol Jpn** 28(6):921–35, Nov 78

Cellular calcium distribution in fetal bones studied with K-pyroantimonate. Burger EH, et al. **Calcif Tissue Res** 26(2):181–90, 8 Dec 78

Biological calcium phosphates and their role in the physiology of bone and dental tissues I. Composition and solubility of calcium phosphates. Driessens FC, et al. **Calcif Tissue Res** 26(2):127–37, 8 Dec 78 (58 ref.)

Bone mineral content in renal transplant patients. Nielsen HE. **Clin Nephrol** 10(5):196–200, Nov 78

A method for decarboxylation of gamma-carboxyglutamic acid in proteins. Properties of the decarboxylated gamma-carboxyglutamic acid protein from calf bone. Poser JW, et al. **J Biol Chem** 254(2):431–6, 25 Jan 79

Isolation and characterization of a double chain intermolecular cross-linked peptide from insoluble calf bone collagen. Stimler NP, et al. **J Biol Chem** 254(3):666–71, 10 Feb 79

Phosphopeptides of enamel matrix. Glimcher MJ. **J Dent Res** 58 Spec No 8:790–809, Mar 79

Environmental radioactivity in Denmark in 1977. Aarkrog A, et al. **Riso Rep** 386:1–133, Jun 78

Osteogenic capacity of periosteal grafts. A qualitative and quantitative study of membranous and tubular bone periosteum in young rabbits. Uddström L, et al. **Scand J Plast Reconstr Surg** 12(3):207–14, 1978

Studies on the optimal conditions of the colorimetric determination of total and free hydroxylysine in biological fluids and tissues. Dróżdż M, et al. **Z Med Lab Diagn** 19(5):294–305, Sep 78

[Determining mineral contents in bones in vivo by measuring gamma radiation absorption (author's transl)] Kapitola J. **Cas Lek Cesk** 117(44–45):1391–4, 1978 (Eng. Abstr.)**(Cze)**

[Simple and atraumatic measurement of total body calcium] Christiansen C, et al. **Ugeskr Laeger** 141(5):277–80, 29 Jan 79 (Eng. Abstr.) **(Dan)**

[Microdetermination of fluoride in human bones (author's transl)] Hanocq M, et al. **Clin Chim Acta** 91(2):177–81, 15 Jan 79 (Eng. Abstr.) **(Fre)**

[The bactericidal power of antibiotic combinations. Application in the treatment of osteo-articular infections due to Staphylococcus aureus (author's transl)] Sirot J, et al. **Nouv Presse Med** 7(36):3217–22, 21 Oct 78 (Eng. Abstr.) **(Fre)**

[The investigation of lead levels in vertebra and rib samples (author's transl)] Ulrich L. **Arch Toxicol** 41(2):133–48, 11 Dec 78 (Eng. Abstr.) **(Ger)**

[The bioavailability of cefuroxim in the bone and in wound secretions] Wittmann DH, et al. **Med Welt** 30(6):227–32, 9 Feb 79 **(Ger)**

[Mineral content determination of bones with 109Cd—first practical results (author's transl)] Tellkamp H, et al. **Radiol Diagn (Berl)** 19(6):742–6, Dec 78 (Eng. Abstr.) **(Ger)**

[Experimental studies on the castration osteoporosis in the rat. II. Behavior of bone minerals] Hempel E, et al. **Zentralbl Gynaekol** 100(21):1391–8, 1978 (Eng. Abstr.) **(Ger)**

[Effect of space flight on the concentration of sodium, copper, manganese and magnesium in the bones of the skeleton] Prokhonchukov AA, et al. **Patol Fiziol Eksp Ter** (6):65–70, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Evaluation of the results of determining thallium in the forensic chemical analysis of exhumed corpses (a review of the literature)] Krylova AN. **Sud Med Ekspert** 22(1):40–4, Jan–Feb 79 (24 ref.) **(Rus)**

ANATOMY & HISTOLOGY

Bone status and fracture rates in two regions of Yugoslavia. Matković V, et al. **Am J Clin Nutr** 32(3):540–9, Mar 79

Revisions in the microscopic method of estimating age at death in human cortical bone. Kerley ER, et al. **Am J Phys Anthropol** 49(4):545–6, Nov 78

Quantitative histology of bone: a computerized method of measuring the total mineral content of bone. Phillips HB, et al. **Calcif Tissue Res** 26(1):85–9, 10 Nov 78

Structure and function of the growth plate. Brighton CT. **Clin Orthop** (136):22–32, Oct 78 (52 ref.)

Fluid space in bone. Hughes S, et al. **Clin Orthop** (134):332–41, Jul–Aug 78

Effect of rigid plate fixation on structure and mineral content of cortical bone. Paavolainen P, et al. **Clin Orthop** (136):287–93, Oct 78

The response of living bone to controlled time-varying loading: method and preliminary results. Churches AE, et al. **J Biomech** 12(1):35–45, 1979

BLOOD SUPPLY

Structure and function of the growth plate. Brighton CT. **Clin Orthop** (136):22–32, Oct 78 (52 ref.)

Fluid space in bone. Hughes S, et al. **Clin Orthop** (134):332–41,

Jul-Aug 78

The significance of intraosseous pressure in normal and diseased states with special reference to the intraosseous engorgement-pain syndrome. Lemperg RK, et al. **Clin Orthop** (136):143-56, Oct 78

Blood vessel transplantation to bone. Hori Y, et al. **J Hand Surg** 4(1):23-33, Jan 79

Studies of skeletal tracer kinetics. I. Digital-computer solution of a five-compartment model of [18F] fluoride kinetics in humans. Charkes ND, et al. **J Nucl Med** 19(12):1301-9, Dec 78

Angiography in giant-cell bone tumors. Prando A, et al. **Radiology** 130(2):323-31, Feb 79

CYTOLOGY

Effects of vitamin D3 metabolites on bone cell calcium transport. Dziak R. **Calcif Tissue Res** 26(1):65-70, 10 Nov 78

Influence of partially purified extracts of Solanum malacoxylon on bone resorption in organ culture. Liskova-Kiar M, et al. **Calcif Tissue Res** 26(1):39-45, 10 Nov 78

Attachment of bone cells to collagen. pp. 61-72. Kleinman HK, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

Osteogenic capacity of periosteal grafts. A qualitative and quantitative study of membranous and tubular bone periosteum in young rabbits. Uddström L, et al. **Scand J Plast Reconstr Surg** 12(3):207-14, 1978

DRUG EFFECTS

Effects of oxytetracycline on the mechanical properties of bone and skin in young rats. Engesaeter LB, et al. **Acta Orthop Scand** 49(6):529-34, Dec 78

Epidermal growth factor stimulates prostaglandin production and bone resorption in cultured mouse calvaria. Tashjian AH Jr, et al. **Biochem Biophys Res Commun** 85(3):966-75, 14 Dec 78

The action of vitamin D metabolites (25 OHD3--12,5 (OH)2D3--24.25 (OH)2D3--25.26 (OH)2D3) on vitamin D deficient rats. Queille ML, et al. **Biomedicine** 28(4):237-42, Jul-Aug 78

Synthesis and biological action of 3-deoxy-vitamin D3 and 3-deoxy-25-hydroxyvitamin D3. Edelstein S, et al. **FEBS Lett** 97(2):241-4, 15 Jan 79

Multiple myeloma: clinical staging and role of osteoclast activating factor in localized bone loss. pp. 319-29. Durie BG, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

Complement dependent bone resorption. pp. 159-71. Sandberg AL, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

The effect of parathormone on the synthesis of collagenous matrix by isolated bone cells. pp. 47-59. Wong GL, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

Effects of vitamin D on the change of cyclic nucleotides and deoxyribonucleic acid contents in rat calvaria. Kakuta S, et al. **J Nutr Sci Vitaminol (Tokyo)** 24(5):519-26, 1978

Bone tissue reactions to periodontal dressings. Haugen E, et al. **J Periodont Res** 14(1):76-85, Jan 79

Homocysteic acid: an examination of its possible growth hormone-like activity. Chrzanowska BL, et al. **Metabolism** 28(1):80-4, Jan 79

The effect of ovarian sex steroids on bone mineral status in the oöphorectomized rat and in the human. Lindsay R, et al. **Postgrad Med J** 54(2):50-8, 1978

Calcitonin binding sites in bone: relationships to biological response and 'escape'. Tashjian AH Jr, et al. **Recent Prog Horm Res** 34:285-334, 1978 (56 ref.)

Intestinal calcium-binding protein (CaBP) and bone calcium mobilization in response to 25R,26 and 25S,26-dihydroxycholecalciferol in intact and nephrectomized rats. Thomasset M, et al. **Steroids** 32(5):577-87, Dec 78

The differentiation of the columella in avian embryos treated with hadacidin with some observations on other skeletal abnormalities. Jaskoll TF, et al. **Teratology** 18(3):321-32, Dec 78

[Dynamics of changes in rat osseous system in chronic cadmium poisoning] Mikulski T. **Med Pr** 29(6):459-69, 1978 (Eng. Abstr.) **(Pol)**

EMBRYOLOGY

90Sr placentas, embryos and foetuses of mice, evaluated by whole-body autoradiography. Olsen I, et al. **Acta Pharmacol Toxicol (Copenh)** 44(1):22-7, Jan 79

Effect of maternally administered sodium nitrite on hepatic erythropoiesis in fetal CD-1 mice. Globus M, et al. **Teratology** 18(3):367-78, Dec 78

ENZYMOLOGY

Plasma 25-hydroxyvitamin D and alkaline phosphatase isoenzymes in hyperthyroidism. Cleeve HJ, et al. **Ann Clin Biochem** 15(6):320-3, Nov 78

Inhibition of lysyl oxidase by disulfhydryls, diamines and sulfhydryl-amines. Misiorowski RL, et al. **Biochem Biophys Res Commun** 85(2):809-14, 29 Nov 78

METABOLISM

Joint changes after overuse and peak overloading of rabbit knees in vivo. Dekel S, et al. **Acta Orthop Scand** 49(6):519-28, Dec 78

Changes in calcium and hydroxyproline content of cortical bone after compression and neutral plate fixation. Paavolainen P, et al. **Acta Orthop Scand** 49(6):492-6, Dec 78

The penetration of cefazolin, erythromycin and methicillin into human bone tissue. Sørensen TS, et al. **Acta Orthop Scand** 49(6):549-53, Dec 78

90Sr placentas, embryos and foetuses of mice, evaluated by whole-body autoradiography. Olsen I, et al. **Acta Pharmacol Toxicol (Copenh)** 44(1):22-7, Jan 79

Amphipathic antigens of oral microorganisms - immunogenicity and other biological properties. Wicken AJ, et al. **Adv Exp Med Biol** 107:619-28, 1978

Effect of ethanol feeding on bone composition in the rat. Mezey E, et al. **Am J Clin Nutr** 32(1):25-9, Jan 79

Epidermal growth factor stimulates prostaglandin production and bone resorption in cultured mouse calvaria. Tashjian AH Jr, et al. **Biochem Biophys Res Commun** 85(3):966-75, 14 Dec 78

Translation of chick calvarial procollagen messenger RNA'S by a messenger RNA dependent reticulocyte lysate. Monson JM, et al. **Biochemistry** 17(24):5122-8, 28 Nov 78

The action of vitamin D metabolites (25 OHD3--12,5 (OH)2D3--24.25 (OH)2D3--25.26 (OH)2D3) on vitamin D deficient rats. Queille ML, et al. **Biomedicine** 28(4):237-42, Jul-Aug 78

Histochemical characterization of the endochondral growth plate: a new approach to the study of the chondrodystrophies. Horton WA, et al. **Birth Defects** 14(6B):81-93, 1978

Noninvasive measurements of bone mass and their clinical significance. Cohn SH, et al. **Calcif Tissue Res** 26(1):1-3, 10 Nov 78

Effects of vitamin D3 metabolites on bone cell calcium transport. Dziak R. **Calcif Tissue Res** 26(1):65-70, 10 Nov 78

Influence of partially purified extracts of Solanum malacoxylon on bone resorption in organ culture. Liskova-Kiar M, et al. **Calcif Tissue Res** 26(1):39-45, 10 Nov 78

A reevaluation of the cause of acute hypercalcemia following intravenous administration of lead acetate. Talmage RV, et al. **Calcif Tissue Res** 26(2):149-53, 8 Dec 78

Plasma disappearance of rabbit alpha2HS-glycoprotein and its uptake by bone tissue. Triffitt JT, et al. **Calcif Tissue Res** 26(2):155-61, 8 Dec 78

Fluid space in bone. Hughes S, et al. **Clin Orthop** (134):332-41, Jul-Aug 78

Effect of rigid plate fixation on structure and mineral content of cortical bone. Paavolainen P, et al. **Clin Orthop** (136):287-93, Oct 78

Factors influencing the distribution of 99m-technetium methylene diphosphonate in bone and soft tissues. Khan RA. **Experientia** 34(12):1598-600, 15 Dec 78

Effect of vitamin B6 deficiency on the crosslink formation of collagen. Fujii K, et al. **FEBS Lett** 97(1):193-5, 1 Jan 79

The biological activity of 26-hydroxy-derivatives of cholecalciferol in vitamin D-deficient rats. Redel J, et al. **FEBS Lett** 96(1):216-8, 1 Dec 78

Hepatic mediation of hormonal and nutritional factors influencing the in vitro sulfur uptake by rainbow trout bone. Komourdjian MP, et al. **Gen Comp Endocrinol** 36(1):33-9, Sep 78

Estimation of skeletal plutonium levels based on DPTA-induced radionuclide excretion in feces: possible application to man. Bhattacharyya MH, et al. **Health Phys** 34(6):549–55, Jun 78

Growth retardation and bone mineral status in children with coeliac disease recognized after the age of 3 years. Exner GU, et al. **Helv Paediatr Acta** 33(6):497–507, Dec 78

Multiple myeloma: clinical staging and role of osteoclast activating factor in localized bone loss. pp. 319–29. Durie BG, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

Attachment of bone cells to collagen. pp. 61–72. Kleinman HK, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

Proliferation and specialization of bone cells cultured in serum-free medium. pp. 3–12. Peck WA, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

Complement dependent bone resorption. pp. 159–71. Sandberg AL, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

The demand for bone calcium in maintenance of plasma calcium concentrations. pp. 73–91. Talmage RV, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

The effect of parathormone on the synthesis of collagenous matrix by isolated bone cells. pp. 47–59. Wong GL, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

Proof that the gamma-carboxyglutamic acid-containing bone protein is synthesized in calf bone. Comparative synthesis rate and effect of coumadin on synthesis. Nishimoto SK, et al. **J Biol Chem** 254(2):437–41, 25 Jan 79

Accumulation and depletion of vanadium in selected tissues of rats treated with vanadyl sulfate and sodium orthovanadate. Parker RD, et al.
J Environ Pathol Toxicol 2(2):235–45, Nov–Dec 78

Fourier/Dirichlet: modeling of bone ultrastructural surfaces. Francis AE, et al. **J Kans Med Soc** 80(2):49–53, Feb 79

Studies of skeletal tracer kinetics. I. Digital-computer solution of a five-compartment model of [18F] fluoride kinetics in humans. Charkes ND, et al. **J Nucl Med** 19(12):1301–9, Dec 78

Effects of vitamin D on the change of cyclic nucleotides and deoxyribonucleic acid contents in rat calvaria. Kakuta S, et al. **J Nutr Sci Vitaminol (Tokyo)** 24(5):519–26, 1978

Vitamin D physiology and some clinical aspects of the vitamin D endocrine system. Favus MJ. **Med Clin North Am** 62(6):1291–317, Nov 78

Secondary hyperparathyroidism in chronic renal failure. Pathophysiology and treatment. Hanley DA, et al.
Med Clin North Am 62(6):1319–39, Nov 78 (115 ref.)

Glucocorticoids regulate the concentration of 1,25-dihydroxycholecalciferol receptors in bone. Manolagas SC, et al. **Nature** 277(5694):314–5, 22 Jan 79

The effect of ovarian sex steroids on bone mineral status in the oöphorectomized rat and in the human. Lindsay R, et al. **Postgrad Med J** 54(2):50–8, 1978

Calcium uptake in the intestinal tract of germ-free and conventional chicks [proceedings] Palmer MF, et al.
Proc Nutr Soc 37(3):113A, Dec 78

The long term effect of estrogen administration on the metabolism of male rat bone. Cruess RL, et al.
Proc Soc Exp Biol Med 159(3):368–73, Dec 78

Excorporation efficacy with Ca-DTPA of 241Am and 252Cf in the skeleton, liver, and kidney of the rat and Syrian and Chinese hamsters: lack of correlation with the biological half-times. Seidel A. **Radiat Res** 76(1):60–9, Oct 78

A simple model for anatomic bone scanning studies. Keyes JW Jr, et al. **Radiology** 130(2):532–3, Feb 79

Calcitonin binding sites in bone: relationships to biological response and 'escape'. Tashjian AH Jr, et al.
Recent Prog Horm Res 34:285–334, 1978 (56 ref.)

Intestinal calcium-binding protein (CaBP) and bone calcium mobilization in response to 25R,26 and 25S,26-dihydroxycholecalciferol in intact and nephrectomized rats. Thomasset M, et al. **Steroids** 32(5):577–87, Dec 78

[Bone mineral measurement in Paget's disease] Nuti R, et al. **Boll Soc Ital Biol Sper** 54(2):141–5, 30 Jan 78 **(Ita)**

[Proper hemodialysis based on calcium and bone metabolism and related problems] Kawaguchi R, et al.
Nippon Jinzo Gakkai Shi 20(6):730–3, Jun 78 **(Jpn)**

PATHOLOGY

Osteosarcoma. A multifactorial clinical and histopathological study with special regard to therapy and survival. Larsson SE, et al. **Acta Orthop Scand** 49(6):571–81, Dec 78

Telangiectatic osteosarcoma. Larsson SE, et al.
Acta Orthop Scand 49(6):589–94, Dec 78

What to do with 'postmenopausal osteoporosis?' [editorial] Avioli LV. **Am J Med** 65(6):881–4, Dec 78

Paleopathologic evidence for the evolution of rheumatoid arthritis. Klepinger LL. **Am J Phys Anthropol** 50(1):119–22, Jan 78

The action of vitamin D metabolites (25 OHD3--12,5 (OH)2D3--24.25 (OH)2D3--25.26 (OH)2D3) on vitamin D deficient rats. Queille ML, et al. **Biomedicine** 28(4):237–42, Jul-Aug 78

Effect of testosterone therapy on bone formation in an osteoporotic hypogonadal male. Baran DT, et al.
Calcif Tissue Res 26(2):103–6, 8 Dec 78

Long-term administration of vitamin D steroles in incipient and advanced renal failure: effect on bone histology. Malluche HH, et al. **Clin Nephrol** 10(6):219–28, Dec 78

Cadmium effects on bone and dental tissues of rats in acute and subacute poisoning. Furuta H. **Experientia** 34(10):1317–8, 15 Oct 78

Differential diagnosis of osteopenia. Mundy GR.
Hosp Pract 13(11):65–72, Nov 78

Bone resorbing cells in Paget's disease. pp. 365–74. Singer FR, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

Blood vessel transplantation to bone. Hori Y, et al.
J Hand Surg 4(1):23–33, Jan 79

Radionuclide assessment of Gaucher's disease. Cheng TH, et al. **J Nucl Med** 19(12):1333–6, Dec 78

Bone scintigraphy in renal osteodystrophy. de Graaf P, et al. **J Nucl Med** 19(12):1289–96, Dec 78

Bone tissue reactions to periodontal dressings. Haugen E, et al. **J Periodont Res** 14(1):76–85, Jan 79

Childhood renal osteodystrophy. Avioli LV. **Kidney Int** 14(4):355–60, Oct 78 (45 ref.)

Advances in diagnosis and treatment of bone tumors. Mankin HJ. **N Engl J Med** 300(10):543–5, 8 Mar 79 (49 ref.)

Angiography in giant-cell bone tumors. Prando A, et al.
Radiology 130(2):323–31, Feb 79

[Leprosy] Languillon J. **Acta Leprol (Geneve)** (71–72):1–168, Apr–Sep 78 **(Fre)**

[3rd Symposium of the Work Group for Osteology on the topics 1. Reactions of bone tissue to implant materials and 2. Aseptic bone necroses. (Abstracts)]
Acta Med Austriaca 5(2):suppl 11, 1–18, 1978 **(Ger)**

[Problems in the differential diagnosis between eosinophilic granuloma and marginal periodontitis] Hausamen JE, et al. **Dtsch Zahnaerztl Z** 33(11):781–4, Nov 78 (Eng. Abstr.) **(Ger)**

[Histological findings on implant beds after endosseous tantalum implantation in the orodental region] Heinrich B, et al. **Oesterr Z Stomatol** 75(6):214–24, Jun 78 **(Ger)**

[Means and methods of bone biopsy] Farello G, et al.
Minerva Med 69(54):3701–4, 10 Nov 78 (Eng. Abstr.) **(Ita)**

[Bone scans in the diagnosis of renal osteopathy] Neyer U, et al. **Minerva Med** 69(58):3951–9, 30 Nov 78 (Eng. Abstr.) **(Ita)**

[Determination of optimal period in beginning of prolonged epiphysiolysis (experimental study)] Chirkova AM, et al. **Ortop Travmatol Protez** (11):27–30, Nov 78 (Eng. Abstr.) **(Rus)**

[Forensic medical osteological studies in resolving the problems of cadaver identification and of the determination of the time of death (a review)] Rubezhanskiĭ AF, et al. **Sud Med Ekspert** 22(1):13–7, Jan–Feb 79 **(Rus)**

PHYSIOLOGY

Methods for testing the mechanical properties of the rat femur. Engesaeter LB, et al. **Acta Orthop Scand** 49(6):512–8, Dec 78

Studies on mechanical strength of bone. I. Torsional strength of normal rabbit tibio-fibular bone. Paavolainen P.
Acta Orthop Scand 49(6):497–505, Dec 78

Studies on mechanical strength of bone. II. Torsional strength of cortial bone after rigid plate fixation with and without compression. Paavolainen P, et al. **Acta Orthop Scand** 49(6):506–11, Dec 78

Mechanism by which cyclic adenosine 3':5'-monophosphate-dependent protein kinase stimulates calcium transport in cardiac sarcoplasmic reticulum. Hicks MJ, et al. **Circ Res** 44(3):384–91, Mar 79

Structure and function of the growth plate. Brighton CT. **Clin Orthop** (136):22–32, Oct 78 (52 ref.)

Mechanism of localized bone loss. Selected abstracts. pp. 431–43.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

An appraisal of bone cellular function in senescence. pp. 21–5. Avioli LV.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

Regulation of osteoclast-activating factor (OAF)-stimulated bone resorption in vitro with an inhibitor of collagenase. pp. 127–50. Horton JE, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

Non-bone cell mediated bone resorption. pp. 229–37. Mundy GR, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

Proliferation and specialization of bone cells cultured in serum-free medium. pp. 3–12. Peck WA, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

Regulation of the synthesis of bone matrix in organ culture. pp. 39–45. Raisz LG, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

Tooth movement. Sachs NJ. **Int J Orthod** 16(4):22–7, Dec 78

Crack velocity and the fracture of bone. Bonfield W, et al. **J Biomech** 11(10–12):473–9, 1978

The response of living bone to controlled time-varying loading: method and preliminary results. Churches AE, et al. **J Biomech** 12(1):35–45, 1979

Theoretical analysis of the piezoelectric effect in bone. Martin RB. **J Biomech** 12(1):55–63, 1979

Menopausal changes in bone remodeling. Heaney RP, et al. **J Lab Clin Med** 92(6):964–70, Dec 78

Homocysteic acid: an examination of its possible growth hormone-like activity. Chrzanowska BL, et al. **Metabolism** 28(1):80–4, Jan 79

PHYSIOPATHOLOGY

The significance of intraosseous pressure in normal and diseased states with special reference to the intraosseous engorgement-pain syndrome. Lemperg RK, et al. **Clin Orthop** (136):143–56, Oct 78

Osteoporosis: juvenile, idiopathic and postmenopausal. pp. 345–63. Jowsey JO, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

Bone resorbing cells in Paget's disease. pp. 365–74. Singer FR, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

Measurement of growth in children with renal insufficiency. Potter DE, et al. **Kidney Int** 14(4):378–82, Oct 78 (16 ref.)

[Intramedullary nailing with reaming. A critical analysis of Kuntscher's principle (author's transl)] Kempf I, et al. **Rev Chir Orthop** 64(8):629–34, Dec 78 (Eng. Abstr.)**(Fre)**

RADIATION EFFECTS

A Monte Carlo study of the interaction of external beam X-radiation with inhomogeneous media. Webb S, et al. **Phys Med Biol** 23(6):1043–59, Nov 78

RADIOGRAPHY

Quantitative histology of bone: a computerized method of measuring the total mineral content of bone. Phillips HB, et al. **Calcif Tissue Res** 26(1):85–9, 10 Nov 78

The significance of intraosseous pressure in normal and diseased states with special reference to the intraosseous engorgement-pain syndrome. Lemperg RK, et al. **Clin Orthop** (136):143–56, Oct 78

The mean active bone marrow dose to the adult population of the United States from diagnostic radiology. Shleien B, et al. **Health Phys** 34(6):587–601, Jun 78

Solid state track recorders in nuclear medicine. Qaqish AY, et al. **Int J Nucl Med Biol** 5(6):261–5, 1978

Melnick-Needles syndrome. Perry LD, et al. **j Pediatr Opthalmol Strabismus** 15(4):226–30, Jul-Aug 78

Rickets as a complication of intravenous hyperalimentation in infants. Binstadt DH, et al. **Pediatr Radiol** 7(4):211–4, 4 Dec 78

Multifocal tuberculous osteomyelitis. Echeverria J, et al. **Pediatr Radiol** 7(4):238–40, 4 Dec 78

Unusual bone involvement in congenital syphilis mimicking the battered child syndrome. Horodniceanu C, et al. **Pediatr Radiol** 7(4):232–4, 4 Dec 78

Spondylo-epiphyseal dysplasia with ocular changes: report of two 'new' variants in two different families. MacDessi JJ, et al. **Pediatr Radiol** 7(4):220–8, 4 Dec 78

The unusual case: persistence of metaphyseal changes in penicillin treated congenital syphilis. Reiter S, et al. **Pediatr Radiol** 7(4):229–31, 4 Dec 78

Two peculiar types of enchondromatosis. Spranger J, et al. **Pediatr Radiol** 7(4):215–9, 4 Dec 78

The evolution of bone disease in patients on RDT for 10 years or more. Lindergård B, et al. **Proc Eur Dial Transplant Assoc** 15:639–41, 1978

Abnormalities of bone and soft tissue following renal transplantation. Resnick D. **Semin Roentgenol** 13(4):329–40, Oct 78

[Epidemiology and diagnostics of osteoporosis (author's transl)] Podruschnjak EP, et al. **ZFA (Dresden)** 33(3):279–83, 1978 **(Ger)**

[X-ray aspects of the trisomy 4p syndrome (proceedings)] Dallapiccola B, et al. **Radiol Med (Torino)** 64(11):1286–8, Nov 78 **(Ita)**

[Skeletal changes suggesting syndromes caused by chromosome alterations (proceedings)] Dallapiccola B, et al. **Radiol Med (Torino)** 64(11):1285–6, Nov 78 **(Ita)**

[Unusual syndromes caused by autosome abnormalities (proceedings)] De Giuli S, et al. **Radiol Med (Torino)** 64(11):1286, Nov 78 **(Ita)**

[Clinico-radiological findings in Noonan's syndrome (proceedings)] Montanelli C, et al. **Radiol Med (Torino)** 64(11):1289–90, Nov 78 **(Ita)**

[Roentgenologic manifestations of primary macroglobulinemia (author's transl)] Takahashi M, et al. **Rinsho Hoshasen** 23(13):1493–7, Dec 78 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

'Non-secretory' plasma cell dyscrasia with normal serum immunoglobulins. Wille LE, et al. **Acta Med Scand** 204(6):437–43, 1978

Long term effectiveness of low dose mithramycin for Paget's disease of bone. Russell AS, et al. **Arthritis Rheum** 22(3):215–8, Mar 79

Bone scintigraphy in discitis and related disorders in children. Atkinson RN, et al. **Aust NZ J Surg** 48(4):374–7, Aug 78

Resolution of bone scan changes in hypertrophic pulmonary osteoarthropathy in untreated carcinoma of the lung. Sagar VV, et al. **Clin Nucl Med** 3(12):472–5, Dec 78

Factors influencing the distribution of 99m-technetium methylene diphosphonate in bone and soft tissues. Khan RA. **Experientia** 34(12):1598–600, 15 Dec 78

Augmented skeletal accumulation of Ga-67: a variant in children. Vakili A, et al. **Int J Nucl Med Biol** 5(6):249–51, 1978

Studies of skeletal tracer kinetics. I. Digital-computer solution of a five-compartment model of [18F] fluoride kinetics in humans. Charkes ND, et al. **J Nucl Med** 19(12):1301–9, Dec 78

Radionuclide assessment of Gaucher's disease. Cheng TH, et al. **J Nucl Med** 19(12):1333–6, Dec 78

Bone scintigraphy in renal osteodystrophy. de Graaf P, et al. **J Nucl Med** 19(12):1289–96, Dec 78

Experimental fracture healing: evaluation using radionuclide bone imaging: concise communication. Gumerman LW, et al. **J Nucl Med** 19(12):1320–3, Dec 78

Radionuclides in the diagnosis of fracture healing. Wahner HW. **J Nucl Med** 19(12):1356–8, Dec 78

Incidental imaging of the large bowel in patients with uretero-sigmoidostomy during bone scintigraphy with 99mTc-pyrophosphate. Mariani G, et al. **J Nucl Med Allied Sci** 22(3):153–7, Jul-Sep 78

A simple model for anatomic bone scanning studies. Keyes JW Jr, et al. **Radiology** 130(2):532–3, Feb 79

Skeletal scintigraphy following incidental trauma. Kim HR, et al. **Radiology** 130(2):447–51, Feb 79

[Epidemiology and diagnostics of osteoporosis (author's transl)] Podruschnjak EP, et al. **ZFA (Dresden)** 33(3):279–83, 1978 **(Ger)**

PARATHYROID AND BONE

[Clinical study of renal osteodystrophy in chronic dialysis patients by means of whole body skeletal scintiphotography (author's transl)] Kida T, et al. **Kaku Igaku** 15(7):1005–11, Oct 78 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of bone scintigraphy with 99mTc-labeled phosphate compounds. (II). Primary bone tumor and tumor-like lesion (author's transl)] Yamamoto I. **Kaku Igaku** 15(7):969–79, Oct 78 (Eng. Abstr.) **(Jpn)**

[Detection of bone metastases from bronchogenic carcinoma by bone scintigraphy with 99mTc-phosphorous compounds. I. Incidence of bone metastases from bronchogenic carcinoma and their prognosis (author's transl)] Fujimura N. **Nippon Igaku Hoshasen Gakkai Zasshi** 38(11):1054–63, 25 Nov 78 (Eng. Abstr.) **(Jpn)**

[Bone scintigraphy—abnormal RI accumulation in soft tissue metastasis from osteosarcoma with 99Tc-MDP (author's transl)] Suzuki M, et al. **Rinsho Hoshasen** 24(1):171–2, Jan 79 **(Jpn)**

[Evaluation of the functional and clinical qualities of the new GSG-2 dual-sensor gamma-topograph] El'kind Elu, et al. **Med Tekh** (1):50–1, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

SURGERY

Blood vessel transplantation to bone. Hori Y, et al. **J Hand Surg** 4(1):23–33, Jan 79

The chemoprophylaxis of infection. A brief review of recent studies. Jacoby I, et al. **Med Clin North Am** 62(5):1083–98, Sep 78

[Classification code of infirmities, surgical procedures, and bibliographic references of interest in Orthopedics and Traumatology] Méary R. **Rev Chir Orthop** 64 Suppl 3:1–136, 1978 **(Fre)**

[Possible therapeutic applications of a newly developed ceramic material in bone surgery in veterinary medicine (author's transl)] Köster K, et al. **DTW** 86(2):67–9, 5 Feb 79 (Eng. Abstr.) **(Ger)**

[Continuing reporting of orthopedic surgical infections] Burman LG, et al. **Lakartidningen** 76(9):713–6, 28 Feb 79 (Eng. Abstr.) **(Swe)**

ULTRASTRUCTURE

The presence of lining cells on surfaces of human trabecular bone. Vander Wiel CJ, et al. **Clin Orthop** (134):350–5, Jul–Aug 78

The effect of parathormone on the synthesis of collagenous matrix by isolated bone cells. pp. 47–59. Wong GL, et al.

In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

Crack velocity and the fracture of bone. Bonfield W, et al. **J Biomech** 11(10–12):473–9, 1978

Theoretical analysis of the piezoelectric effect in bone. Martin RB. **J Biomech** 12(1):55–63, 1979

Fourier/Dirichlet: modeling of bone ultrastructural surfaces. Francis AE, et al. **J Kans Med Soc** 80(2):49–53, Feb 79

CALCIFICATION, PHYSIOLOGIC

Scanning electron microscope study of separated calcospherites from the matrices of different mineralizing systems. Boyde A, et al. **Calcif Tissue Res** 26(1):47–9, 10 Nov 78

Odontoblast alkaline phosphatases and Ca2+ transport. Linde A, et al. **J Biol Buccale** 6(4):293–308, Dec 78

Chondrocytes. Stockwell RA. **J Clin Pathol [Suppl]** (12):7–13, 1978 (48 ref.)

Characterization of calculus matrix calcification nucleator. Ennever J, et al. **J Dent Res** 58(2):619–23, Feb 79

Phosphopeptides of enamel matrix. Glimcher MJ. **J Dent Res** 58 Spec No 8:790–809, Mar 79

[Radiologically detectable modifications in the cartilaginous parts of the first pair of ribs in connection with age, sex and the cartilaginous part of the other ribs (author's transl)] Werner B. **Anat Anz** 144(4):319–33, Sep 78 (Eng. Abstr.) **(Ger)**

[Ossification mechanisms in normal and pathological conditions] Marcucci M. **Riv Ital Stomatol** 47(7–8):26–37, 44, Jul–Aug 78 (33 ref.) **(Ita)**

DRUG EFFECTS

The action of vitamin D metabolites (25 OHD3—12,5 (OH)2D3—24.25 (OH)2D3—25.26 (OH)2D3) on vitamin D deficient rats. Queille ML, et al. **Biomedicine** 28(4):237–42, Jul–Aug 78

Effects of fluoride on in vitro calcification of tendon matrix. Wadkins CL, et al. **Calcif Tissue Res** 26(1):51–9, 10 Nov 78

The biological activity of 26-hydroxy-derivatives of cholecalciferol in vitamin D-deficient rats. Redel J, et al. **FEBS Lett** 96(1):216–8, 1 Dec 78

The study of the influence of DDT on the antirachitic activity of vitamin D in rats. Doboszyńska B, et al. **Pol J Pharmacol Pharm** 30(4):489–91, Jul–Aug 78

CALCITONIN

ADMINISTRATION & DOSAGE

Use of calcitonin in psychotic agitation or mania. Carman JS, et al. **Arch Gen Psychiatry** 36(1):72–5, Jan 79

[Use of thyrocalcitonin in pediatric surgery] Sultanbaev TZh, et al. **Khirurgiia (Mosk)** (12):101–2, Dec 78 **(Rus)**

ADVERSE EFFECTS

Use of calcitonin in psychotic agitation or mania. Carman JS, et al. **Arch Gen Psychiatry** 36(1):72–5, Jan 79

[The treatment of Paget's disease using salmon thyrocalcitonin. 8 cases (author's transl)] Deplante JP, et al. **Nouv Presse Med** 7(41):3753–6, 25 Nov 78 (Eng. Abstr.) **(Fre)**

ANALYSIS

[Endocrine diagnosis of medullary thyroid carcinoma] Raue F, et al. **Verh Dtsch Ges Inn Med** (84):591–4, 1978 **(Ger)**

BLOOD

Comparison of the effects of pentagastrin and meal-stimulated gastrin on plasma calcitonin in normal man. Owyang C, et al. **Am J Dig Dis** 23(12):1084–8, Dec 78

Gastric acid secretion, calcitonin and secondary hyperparathyroidism in uremic patients undergoing regular dialysis therapy (RDT). Antonucci F, et al. **Int J Artif Organs** 1(6):260–5, Nov 78

Actual concept of osteoporosis in paraplegia. Chantraine A. **Paraplegia** 16(1):51–8, May 78

Biological activity of endogenous and exogenous calcitonin in patients with osteitis fibrosa and chronic renal failure. Cundy T, et al. **Proc Eur Dial Transplant Assoc** 15:524–31, 1978

Acute lead-induced increase in serum calcium in the rat without increased secretion of calcitonin. Peng TC, et al. **Proc Soc Exp Biol Med** 160(1):114–7, Jan 79

Biologic markers and breast cancer. Waalkes TP, et al. **Semin Oncol** 5(4):434–44, Dec 78 (66 ref.)

[Calcitonin and hypercalcaemia (author's transl)] Milhaud G, et al. **Sem Hop Paris** 54(29–32):911–7, 8–15 Oct 78 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

[Calcitonin and hypercalcaemia (author's transl)] Milhaud G, et al. **Sem Hop Paris** 54(29–32):911–7, 8–15 Oct 78 (Eng. Abstr.) **(Fre)**

METABOLISM

Biochemical markers in bronchogenic carcinoma. Coombes RC, et al. **Br J Dis Chest** 72(4):263–87, Oct 78 (83 ref.)

Diurnal variations in the influence of the ultimobranchial glands on calcium homeostasis in the frog (Rana pipiens). Robertson DR. **J Endocrinol** 79(2):167–78, Nov 78

Calcitonin binding sites in bone: relationships to biological response and 'escape'. Tashjian AH Jr, et al. **Recent Prog Horm Res** 34:285–334, 1978 (56 ref.)

[Calcium metabolism (editorial)] **S Afr Med J** 54(14):551, 30 Sep 78 **(Afr)**

PHARMACODYNAMICS

Antiphosphaturic action of 25 (OH) vitamin D3 in experimental Fanconi syndrome. Popovtzer MM, et al. **Am J Physiol** 236(2):E90–7, Feb 79

The regulation of amino acid transport in animal cells. Guidotti GG, et al. **Biochim Biophys Acta** 515(4):329–66, 15 Dec 78 (430 ref.)

Effects of hormones on osteocyte function and perilacunar wall structure. Baud CA, et al. **Clin Orthop** (136):270–81, Oct 78 (81 ref.)

Presence of a hypocalcemic factor in the ultimobranchial

gland of the snake. Uchiyama M, et al. **Gen Comp Endocrinol** 36(1):59–62, Sep 78

Induction by parathyroid hormone of ornithine decarboxylase in rabbit costal chondrocytes in culture. Takigawa M, et al. **J Biochem (Tokyo)** 85(1):311–4, Jan 79

Changes in tooth mobility after experimental replantation. Barbakow FH, et al. **J Endod** 4(9):265–72, Sep 78

Biological activity of endogenous and exogenous calcitonin in patients with osteitis fibrosa and chronic renal failure. Cundy T, et al. **Proc Eur Dial Transplant Assoc** 15:524–31, 1978

Calcitonin binding sites in bone: relationships to biological response and 'escape'. Tashjian AH Jr, et al. **Recent Prog Horm Res** 34:285–334, 1978 (56 ref.)

[The treatment of Paget's disease using salmon thyrocalcitonin. 8 cases (author's transl)] Deplante JP, et al. **Nouv Presse Med** 7(41):3753–6, 25 Nov 78 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Interrelationships between calcium, calcemic hormones and gastrointestinal hormones. Cooper CW, et al. **Recent Prog Horm Res** 34:259–83, 1978 (32 ref.)

[Calcitonin and hypercalcaemia (author's transl)] Milhaud G, et al. **Sem Hop Paris** 54(29–32):911–7, 8–15 Oct 78 (Eng. Abstr.) **(Fre)**

SECRETION

Gastric acid secretion, calcitonin and secondary hyperparathyroidism in uremic patients undergoing regular dialysis therapy (RDT). Antonucci F, et al. **Int J Artif Organs** 1(6):260–5, Nov 78

Advances in endocrinology. Hardisty CA, et al. **Practitioner** 221(1324):499–503, Oct 78

Acute lead-induced increase in serum calcium in the rat without increased secretion of calcitonin. Peng TC, et al. **Proc Soc Exp Biol Med** 160(1):114–7, Jan 79

THERAPEUTIC USE

An electron microscopic investigation of human familial bone dysplasia. Inhibition of osteocytic osteolysis and induction of osteocytic formation of elastic fibers following calcitonin treatment. Nunez EA, et al. **Am J Pathol** 94(1):1–18, Jan 79

Use of calcitonin in psychotic agitation or mania. Carman JS, et al. **Arch Gen Psychiatry** 36(1):72–5, Jan 79

Highly localized transient osteoporosis of the knee [letter] Doury P, et al. **Arthritis Rheum** 21(8):992–3, Nov–Dec 78

Clinical strategy in osteopenia [editorial] Raisz LG. **Hosp Pract** 13(11):11–2, 21, Nov 78

Management of osteoporosis. Wallach S. **Hosp Pract** 13(12):91–8, Dec 78

Basilar impression in a case of Paget's disease treated with calcitonin and surgery. Taggart H, et al. **Ir J Med Sci** 147(12):435–6, Dec 78

Paget's disease and the nervous system. Feldman RG, et al. **J Am Geriatr Soc** 27(1):1–8, Jan 79

Hypercalcaemia in adolescent tetraplegic patients: case report and review. Steinberg FU, et al. **Paraplegia** 16(1):60–7, May 78

[The treatment of Paget's disease using salmon thyrocalcitonin. 8 cases (author's transl)] Deplante JP, et al. **Nouv Presse Med** 7(41):3753–6, 25 Nov 78 (Eng. Abstr.) **(Fre)**

[Therapy of Paget's disease of bone with diphosphonates and calcitonin] Ziegler R, et al. **Verh Dtsch Ges Inn Med** (84):1122–5, 1978 **(Ger)**

[Calcitonin and somatic pain: influence of the hormone on the algogenic component of experimental cantharidin-induced cutaneous inflammation] Chiarini P, et al. **Clin Ter** 86(5):451–63, 15 Sep 78 (Eng. Abstr.) **(Ita)**

[Paget's disease of bone] Hagen R, et al. **Tidsskr Nor Laegeforen** 99(1):14–6, 10 Jan 79 (Eng. Abstr.) **(Nor)**

[Use of thyrocalcitonin in pediatric surgery] Sultanbaev TZh, et al. **Khirurgiia (Mosk)** (12):101–2, Dec 78 **(Rus)**

CALCIUM

METABOLISM

Intermittent hypoxic loading: a model system to study the early stages of myocardial lesions. Somogyi E, et al. **Acta Morphol Acad Sci Hung** 25(4):279–84, 1977

Changes in calcium and hydroxyproline content of cortical bone after compression and neutral plate fixation. Paavolainen P, et al. **Acta Orthop Scand** 49(6):492–6, Dec 78

Polyethylene glycol as a quantitative fecal marker in human nutrition experiments. Allen LH, et al. **Am J Clin Nutr** 32(2):427–40, Feb 79

The retention of calcium, iron, phosphorus, and magnesium during pregnancy: the adequacy of prenatal diets with and without supplementation. Ashe JR, et al. **Am J Clin Nutr** 32(2):286–91, Feb 79

Effect of ethanol feeding on bone composition in the rat. Mezey E, et al. **Am J Clin Nutr** 32(1):25–9, Jan 79

Distinguishing between malignant and cirrhotic ascites by computerized step-wise discriminant functional analysis of its biochemistry. Greene LS, et al. **Am J Gastroenterol** 70(5):448–54, Nov 78

Central nervous system manifestations of hyperparathyroidism. Cogan MG, et al. **Am J Med** 65(6):963–70, Dec 78

Case report: intestinal clearance of calcium and protein in Waldenstrom's macroglobulinemia. Krawitt EL, et al **Am J Med Sci** 276(3):349–52, Nov–Dec 78

Case report: hypoparathyroidism and iron storage disease. Treatment with 25-hydroxy-vitamin D3. Mautalen CA, et al. **Am J Med Sci** 276(3):363–8, Nov–Dec 78

Stimulus-secretion coupling of glucose-induced insulin release. XXIX. Regulation of 86Rb+ efflux from perfused islets. Boschero AC, et al. **Am J Physiol** 236(2):E139–46, Feb 79

Calcium dependency of glucagon release: its modulation by nutritional factors. Leclercq-Meyer V, et al. **Am J Physiol** 236(2):E98–104, Feb 79

Calcium transport ATPase of cardiac sarcoplasmic reticulum in experimental hyperthyroidism. Limas CJ. **Am J Physiol** 235(6):H745–52, Dec 78

Cellular and paracellular calcium transport in rat ileum: effects of dietary calcium. Nellans HN, et al. **Am J Physiol** 235(6):E726–37, Dec 78

Effects of diabetes on cecal and colonic calcium transport in the rat. Petith MM, et al. **Am J Physiol** 235(6):E699–702, Dec 78

Mineralocorticoid effects on cation transport by cortical collecting tubules in vitro. Schwartz GJ, et al. **Am J Physiol** 235(6):F576–85, Dec 78

The effect of a combination of prostatic massage and antibiotic plus anticongestive drugs on human semen quality and fertility. Homonnai ZT, et al. **Andrologia** 11(1):71–6, Jan 79

Impairment in calcium uptake in the ob/ob epididymal adipose tissue [proceedings] Dehaye JP, et al. **Ann Endocrinol (Paris)** 39(4):341–2, Jul–Aug 78

Basic mechanisms in narcotic tolerance and physical dependence. Way EL. **Ann NY Acad Sci** 311:61–8, 1978 (42 ref.)

Microbial succession and mineral leaching in an artificial coal spoil. Harrison AP Jr. **Appl Environ Microbiol** 36(6):861–9, Dec 78

Purification of sarcoplasmic reticulum vesicles through their loading with calcium phosphate. Bonnet JP, et al. **Arch Biochem Biophys** 191(1):32–41, Nov 78

Ligand binding to sarcoplasmic reticulum. The effects of Ca2+, Mg2+, and ATP binding on the fluorescence of membrane-bound pyrene. Habercom MS, et al. **Arch Biochem Biophys** 191(2):756–63, Dec 78

The effects of chlorotetracycline on calcium movements in isolated rat liver mitochondria. Luthra R, et al. **Arch Biochem Biophys** 191(2):494–502, Dec 78

The relations between intestinal alkaline phosphatase and carbohydrates with regard to calcium absorption. Dupuis Y, et al. **Arch Int Physiol Biochim** 86(3):543–56, Aug 78

The heterogeneity of, and Ca accumulation by the microsomal fraction isolated from the pig coronary artery [proceedings] Wuytack F, et al. **Arch Int Physiol Biochim** 86(3):705–6, Aug 78

The regulation of extramitochondrial free calcium ion concentration by rat liver mitochondria. Nicholls DG. **Biochem J** 176(2):463–74, 15 Nov 78

Changes in ionized and total calcium concentrations in serum and urine during open heart surgery. Yoshioka K, et al. **Biochem Med** 20(2):135–43, Oct 78

Effect of methylxanthines and elevated external potassium on high energy phosphate content in frog skeletal muscle. Hays ET, et al. **Biochem Pharmacol** 27(24):2965–8, 1978

Effect of intramolecular fatty acid distribution on aspects of triacylglycerol digestion and absorption studied in vitro. Aw TY, et al. **Biochim Biophys Acta** 531(3):257–65, 22 Dec 78

Cross-linking of the (Ca2+ + Mg2+)-ATPase protein. Baskin RJ, et al. **Biochim Biophys Acta** 576(1):61–70, 25 Jan 79

The relationship between calcium flux and beating in

hyperpermeable heart muscle cells. Bloom S. **Biochim Biophys Acta** 514(2):206–12, 19 Dec 78

The isolation of coupled mitochondria from Physarum polycephalum and their response to Ca2+. Holmes RP, et al. **Biochim Biophys Acta** 545(1):94–105, 11 Jan 79

Junctional intercellular communication and the control of growth. Loewenstein WR. **Biochim Biophys Acta** 560(1):1–65, 4 Feb 79 (287 ref.)

Specific cation modulation of anion transport across the human erythrocyte membrane. Low PS. **Biochim Biophys Acta** 514(2):264–73, 19 Dec 78

The action of vitamin D metabolites (25 OHD3--12,5 (OH)2D3--24.25 (OH)2D3--25.26 (OH)2D3) on vitamin D deficient rats. Queille ML, et al. **Biomedicine** 28(4):237–42, Jul–Aug 78

Histochemical characterization of the endochondral growth plate: a new approach to the study of the chondrodystrophies. Horton WA, et al. **Birth Defects** 14(6B):81–93, 1978

Nature of the calcium regulatory system of bovine arterial actomyosin. Litten RZ 3d, et al. **Blood Vessels** 16(1):26–34, 1979

Opiate-like excitatory effects of steroid sulfates and calcium-complexing agents given cerebroventricularly. LaBella FS, et al. **Brain Res** 160(2):295–305, 12 Jan 79

Noninvasive measurements of bone mass and their clinical significance. Cohn SH, et al. **Calcif Tissue Res** 26(1):1–3, 10 Nov 78

Effects of vitamin D3 metabolites on bone cell calcium transport. Dziak R. **Calcif Tissue Res** 26(1):65–70, 10 Nov 78

Intestinal calcium absorption, serum phosphate, and parathyroid hormone in patients with chronic renal failure and osteodystrophy before and during hemodialysis. Juttmann JR, et al. **Calcif Tissue Res** 26(2):119–26, 8 Dec 78

Influence of partially purified extracts of Solanum malacoxylon on bone resorption in organ culture. Liskova-Kiar M, et al. **Calcif Tissue Res** 26(1):39–45, 10 Nov 78

Use of stable 48Ca in the clinical measurement of intestinal calcium absorption. Neer R, et al. **Calcif Tissue Res** 26(1):5–11, 10 Nov 78

On the nature of arterial and lung calcifications induced in cattle by Solanum glaucophyllum. Puche RC, et al. **Calcif Tissue Res** 26(1):61–4, 10 Nov 78

A proposed cellular mechanism for calcium transport in the intestinal epithelial cell. Weringer EJ, et al. **Calcif Tissue Res** 26(1):71–9, 10 Nov 78

Future direction of synthetic polyanions (pyran copolymer). Regelson W. **Cancer Treat Rep** 62(11):1853–6, Nov 78 (25 ref.)

Perturbation of the calcium-binding site in concanavalin A by a saccharide ligand. Doyle RJ, et al. **Carbohydr Res** 67(2):545–8, Dec 78

Mechanism by which cyclic adenosine 3':5'-monophosphate-dependent protein kinase stimulates calcium transport in cardiac sarcoplasmic reticulum. Hicks MJ, et al. **Circ Res** 44(3):384–91, Mar 79

Biochemical analysis of a lithopedion. Pragay DA, et al. **Clin Chim Acta** 91(1):103–10, 1 Jan 79

Long-term administration of vitamin D steroles in incipient and advanced renal failure: effect on bone histology. Malluche HH, et al. **Clin Nephrol** 10(6):219–28, Dec 78

Effect of rigid plate fixation on structure and mineral content of cortical bone. Paavolainen P, et al. **Clin Orthop** (136):287–93, Oct 78

Control of ciliary activity in Paramecium--I. Modification of K+-induced ciliary reversal by temperature and ruthenium red. Doughty MJ. **Comp Biochem Physiol [C]** 61 C(2):369–73, 1978

Relaxation of Mytilus smooth muscle in low sodium. Muneoka Y, et al. **Comp Biochem Physiol [C]** 61 C(2):267–73, 1978

The effect of caffeine and quinine on calcium efflux and cyclic AMP levels in bovine ileal smooth muscle. Theobald TC, et al. **Comp Biochem Physiol [C]** 61 C(2):395–400, 1978

Absence of a Ca response following ammonia activation of sea urchin eggs. Paul M, et al. **Dev Biol** 67(2):330–5, Dec 78

Effects of calcium, lanthanum, and bicarbonate ion on epinephrine modification of insulin release in vitro. Lorenz R, et al. **Diabetes** 28(1):52–5, Jan 79

Effect of verapamil on insulin response to alcohol hypoglycemia in patients with primary hyperparathyroidism. Röjdmark S. **Diabetes** 28(1):21–5, Jan 79

The cycling of calcium, sodium, and protons across the inner membrane of cardiac mitochondria. Crompton M, et al. **Eur J Biochem** 91(2):599–608, 15 Nov 78

Extracellular magnesium ions control calcium exchange and content of vascular smooth muscle. Turlapaty PD, et al. **Eur J Pharmacol** 52(3–4):421–3, 1 Dec 78

Role of intracellular calcium in promoting muscle damage: a strategy for controlling the dystrophic condition. Duncan CJ. **Experientia** 34(12):1531–5, 15 Dec 78 (93 ref.)

Unequal distribution of calcium and magnesium of snail neuron. Sugaya E, et al. **Experientia** 34(10):1299–301, 15 Oct 78

Sodium-dependence of sustained force in potassium contracture of cat ventricle. Wiggins JR, et al. **Experientia** 34(12):1591–2, 15 Dec 78

Separate pathways for Ca2+ uptake and release in liver mitochondria. Caroni P, et al. **FEBS Lett** 96(2):339–42, 15 Dec 78

Light-activated phosphorylation of cephalopod rhodopsin. Paulsen R, et al. **FEBS Lett** 96(1):55–8, 1 Dec 78

The biological activity of 26-hydroxy-derivatives of cholecalciferol in vitamin D-deficient rats. Redel J, et al. **FEBS Lett** 96(1):216–8, 1 Dec 78

Inhibition of mitochondrial anion permeability by local anaesthetics. Selwyn MJ, et al. **FEBS Lett** 96(1):1481–51, 1 Dec 78

Calcium-proton exchange in cardiac and liver mitochondria. Williams AJ, et al. **FEBS Lett** 97(2):288–92, 15 Jan 79

Etiology and pathophysiology of malignant hyperthermia. Britt BA. **Fed Proc** 38(1):44–8, Jan 79

Central mechanisms of fever. Cranston WI. **Fed Proc** 38(1):49–51, Jan 79

Effect of nitrilotriacetate (NTA) on cation balance in the rat. Anderson RL, et al. **Food Cosmet Toxicol** 16(6):563–8, Dec 78

Vitamin D-dependent intestinal calcium absorption. Zerwekh JE. **Gastroenterology** 76(2):404–11, Feb 79 (79 ref.)

The relationship between prolactin cell activity, environmental calcium, and plasma calcium in the teleost Gasterosteus aculeatus. Observations on stanniectomized fish. Wendelaar Bonga SE, et al. **Gen Comp Endocrinol** 36(1):90–101, Sep 78

A review of the morphologic features and consequences of muscle cell necrosis in Duchenne disease: clues to the pathogenesis. pp. 117–31. Karpati G. **In: den Hartog Jager, WA, et al., ed. Neurology. Amsterdam, Excerpta Medica, 1978. W3 EX89 no.434 1978.** (24 ref.)

Heart failure--pathophysiological considerations. pp. 213–32. Braunwald E. **In: Dickinson CJ, Marks J, ed. Developments in cardiovascular medicine. Lancaster, Eng., MTP Press, 1978. WG 100,3 D489 1978.**

Multiple myeloma: clinical staging and role of osteoclast activating factor in localized bone loss. pp. 319–29. Durie BG, et al. **In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.**

Regulation of osteoclast-activating factor (OAF)-stimulated bone resorption in vitro with an inhibitor of collagenase. pp. 127–50. Horton JE, et al. **In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.**

Non-bone cell mediated bone resorption. pp. 229–37. Mundy GR, et al. **In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.**

Complement dependent bone resorption. pp. 159–71. Sandberg AL, et al. **In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.**

The demand for bone calcium in maintenance of plasma calcium concentrations. pp. 73–91. Talmage RV, et al. **In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.**

Structure, function, and regulation of the mitochondrial adenosine triphosphatase complex of rat liver--a progress report. pp. 159–94. Pedersen PL, et al. **In: Schafer G, Klingenberg M, ed. Energy conservation in biological membranes. Berlin, Springer-Verlag, 1978. W3 MO87 29th 1978e.** (71 ref.)

The efficiency of oxidative phosphorylation. pp. 264–87. Stucki JW. **In: Schafer G, Klingenberg M, ed. Energy conservation in biological membranes. Berlin, Springer-Verlag, 1978. W3 MO87 29th 1978e.**

Lowering of activator calcium concentration in the relaxation of vascular smooth muscle. pp. 37–47. Bohr DF, et al. **In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.**

(30 ref.)
Inhibitors of calcium influx. pp. 144–51. Godfraind T, et al.
In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.
Relation of stiffness, energy metabolism, and isometric tension in a vascular smooth muscle. pp. 79–88. Peterson JW.
In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977. (32 ref.)
The role of organelles in regulating cytoplasmic calcium in vascular smooth muscle. pp. 21–9. Somlyo AP.
In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977. (45 ref.)
Prospectives in vasodilatation. A few answers but many questions. pp. 294–7. Vanhoutte PM.
In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.
Adenosine and adenine nucleotides. Action on vascular smooth muscle. pp. 222–6. Verhaeghe R.
In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977. (30 ref.)
Requirement of calcium ions for cell degeneration with a toxin (vibriolysin) from Vibrio parahaemolyticus. Goshima K, et al. **Infect Immun** 22(3):821–32, Dec 78
Effect of physical conditioning on cardiac mitochondrial function. Penpargkul S, et al. **J Appl Physiol** 45(6):978–86, Dec 78
Modulator protein as a Ca2+-dependent activator of rabbit skeletal myosin light-chain kinase. Purification and characterization. Yazawa M, et al. **J Biochem (Tokyo)** 84(5):1253–8, Nov 78
Odontoblast alkaline phosphatases and Ca2+ transport. Linde A, et al. **J Biol Buccale** 6(4):293–308, Dec 78
Islet-activating protein. Enhanced insulin secretion and cyclic AMP accumulation in pancreatic islets due to activation of native calcium ionophores. Katada T, et al. **J Biol Chem** 254(2):469–79, 25 Jan 79
Cell cycle control by Ca++-ions in mouse 3T3 cells and in transformed 3T3 cells. Paul D, et al. **J Cell Physiol** 98(1):31–9, Jan 79
Ultrastructural development of Rohon-Beard neurons: loss of intramitochondrial granules parallels loss of calcium action potentials. Lamborghini JE, et al. **J Comp Neurol** 183(4):741–52, 15 Feb 79
Ameloblasts--ion transport function. Bawden JW, et al. **J Dent Res** 58 Spec No 8:708–16, Mar 79
Human dentition and experimental animals. Fejerskov O. **J Dent Res** 58 Spec No 8:725–34, Mar 79
Tooth enamel: current state of the art. Frank RM. **J Dent Res** 58 Spec No 8:684–94, Mar 79 (91 ref.)
Dynamics of enamel formation in the rat incisor tooth. Leblond CP, et al. **J Dent Res** 58 Spec No 8:950–75, Mar 79
Frozen ultrathin-sections for x-ray microanalysis of rat tooth germs. Ozawa H, et al. **J Dent Res** 58 Spec No 8:1016–8, Mar 79
The enamel organ, a control gate for calcium influx into the enamel. Reith EJ, et al. **J Dent Res** 58 Spec No 8:980, Mar 79
Matrix and mineral changes in developing enamel. Robinson C, et al. **J Dent Res** 58 Spec No 8:871–82, Mar 79
Uptake of radioactive calcium by hard tissue cells. Sayegh FS, et al. **J Dent Res** 58 Spec No 8:1021–2, Mar 79
Low molecular weight calcium-binding protein from the kidney and gill of the freshwater eel (Anguilla anguilla) [proceedings] Hearn PR, et al. **J Endocrinol** 79(2):36P–37P, Nov 78
Effect of anterior pituitary and related peptide hormones on calcium absorption and the metabolism of vitamin D [proceedings] James MF, et al. **J Endocrinol** 79(2):38P–39P, Nov 78
Diurnal variations in the influence of the ultimobranchial glands on calcium homeostasis in the frog (Rana pipiens). Robertson DR. **J Endocrinol** 79(2):167–78, Nov 78
The regulation of the calcium sensitivity of the contractile system in mammalian cardiac muscle. McClellan GB, et al. **J Gen Physiol** 72(6):737–64, Dec 78
Menopausal changes in bone remodeling. Heaney RP, et al. **J Lab Clin Med** 92(6):964–70, Dec 78
Menopausal changes in calcium balance performance. Heaney RP, et al. **J Lab Clin Med** 92(6):953–63, Dec 78
Renal tubular effects of 1,25-dihydroxy vitamin D3: interactions with vasopressin and parathyroid hormone in the vitamin D-depleted rat. Puschett JB, et al. **J Lab Clin Med** 92(6):895–903, Dec 78
Molecular model for sodium conductance and calcium transport in the squid axon. Siep E. **J Math Biol** 5(2):143–68, 3 Mar 78
Vasopressin-like effects of psychotropic drugs in amphibian epithelia. Grosso A, et al. **J Membr Biol** 40 Spec No:305–21, 1978 (54 ref.)
Evidence for a K+, Na+ permeable channel in sarcoplasmic reticulum. McKinley D, et al. **J Membr Biol** 44(2):159–86, 15 Dec 78
Effect of the polyene antibiotic filipin and the calcium ionophore A23187 on sodium transport in isolated frog skin (Rana temporaria). Nielsen R. **J Membr Biol** 40 Spec No:331–45, 1978
Hybridization by cosonication of pigeon erythrocyte membrane with exogenous lipid vesicles. Sorensen EN, et al. **J Membr Biol** 44(1):47–65, 8 Dec 78
On potassium functional feedback in neuromuscular junction. Matyushkin DP, et al. **J Neurosci Res** 3(5–6):441–50, 1978
Identification and determination of 25-hydroxyvitamin D3 in the blood and liver of vitamin D-deficient rats irradiated with ultraviolet light. Okano T, et al. **J Nutr Sci Vitaminol (Tokyo)** 24(5):511–8, 1978
Differing actions of nitroprusside and D-600 on tension and 45Ca fluxes in canine renal arteries. Hester RK, et al. **J Pharmacol Exp Ther** 208(1):155–60, Jan 79
Does calcium mediate the increase in potassium permeability due to phenylephrine or angiotensin II in the liver? Weiss SJ, et al. **J Pharmacol Exp Ther** 207(3):669–76, Dec 78
Inactivation of oxytocin release during prolonged electrical stimulation of the rat neural lobe [proceedings] Dyball RE, et al. **J Physiol (Lond)** 284:123P, Nov 78
Energy-dependent extrusion of calcium from neuronal cells in culture [proceedings] Hamprecht B, et al. **J Physiol (Lond)** 284:142P–143P, Nov 78
Bone disease in the elderly. Hosking DJ. **J R Coll Physicians Lond** 13(1):39–42, Jan 79
Effect of subacute manganese feeding on serotonin metabolism in the rat. Kimura M, et al. **J Toxicol Environ Health** 4(5–6):701–7, Sep–Nov 78
Physiological evolution of the renin-angiotensin system. Nishimura H. **Jpn Heart J** 19(5):806–22, Sep 78
Calcium source for contractile response of guinea pig taenia caecum to carbachol in a calcium deficient, potassium rich solution. Shibata N, et al. **Jpn J Pharmacol** 28(4):561–8, Aug 78
The influence of vinblastine and colchicine on renin secretion in vivo and in vitro. Hackenthal E, et al. **Klin Wochenschr** 56 Suppl 1:61–6, 1978
Inhibitory effect of steroid compounds on passive transportation of calcium ion in rat rectal smooth muscle. Cheng JT, et al. **Kobe J Med Sci** 24(3):141–52, Sep 78
Lactase deficiency in osteoporosis [editorial] **Lancet** 1(8107):86, Jan 79
Cyclic AMP-independent relaxation of depolarized rat ileal smooth muscle by isoproterenol. Schiff JD, et al. **Life Sci** 23(23):2299–305, 4 Dec 78
Vitamin D physiology and some clinical aspects of the vitamin D endocrine system. Favus MJ. **Med Clin North Am** 62(6):1291–317, Nov 78
Receptor control of calcium influx in parotid acinar cells. Putney JW Jr, et al. **Mol Pharmacol** 14(6):1046–53, Nov 78
Inhibition of Ca2+ efflux from mitochondria by nupercaine and tetracaine. Dawson AP, et al. **Nature** 277(5696):484–6, 8 Feb 79
Effect of tetrodotoxin on adrenaline secretion in the perfused rat adrenal medulla. Kidokoro Y, et al. **Nature** 278(5699):63–5, 1 Mar 79
The action of caffeine in promoting ultrastructural damage in frog skeletal muscle fibres. Evidence for the involvement of the calcium-induced release of calcium from the sarcoplasmic reticulum. Duncan CJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 305(2):159–66, Nov 78
Basic study on cerebral vasospasm: Ca2+ movement during contraction-relaxation of isolated basilar arteries. Takagi T, et al. **Neurol Med Chir (Tokyo)** 19(1):45–52, Jan 79
The jejunoileal bypass and pregnancy. Woods JR Jr, et al. **Obstet Gynecol Surv** 33(11):697–705, Nov 78 (29 ref.)
Actual concept of osteoporosis in paraplegia. Chantraine A. **Paraplegia** 16(1):51–8, May 78
Cerebellar calcification--ultrastructure and histochemistry. Saal JR, et al. **Pathology** 10(4):351–63, Oct 78
Effect of Na+, K+ and Mg2+ on 45Ca+ uptake by pancreatic islets. Hellman B, et al. **Pfluegers Arch** 378(2):93–7, 28 Dec 78
Effect of inhibitors of slow calcium current on rested state contraction of papillary muscles and post rest contractions of atrial muscle of the cat and rabbit hearts. Lewartowski B, et al. **Pfluegers Arch** 377(2):167–75, 14 Nov 78
Influence of 6-(N,N-diethylamino)hexyl 3,4,5-trimethoxybenzoate on the responsiveness of aortae

to norepinephrine and calcium movements in microsomes form spontaneously hypertensive and normotensive rats. Chaturvedi AK, et al. **Pharmacology** 17(6):315–22, 1978

Heavy water effects on leaky heart muscle cells and actomyosin. Bloom S, et al. **Physiol Chem Phys** 10(3):255–66, 1978

The effect of oestradiol valerate and cyclic oestradiol valerate/DL-norgestrel on calcium metabolism. Crilly RG, et al. **Postgrad Med J** 54(2):47–9, 1978

Current status of the management of renal osteodystrophy. Fournier A, et al. **Proc Eur Dial Transplant Assoc** 15:547–68, 1978 (50 ref.)

Ionic factors in release of 45Ca2+ from chicken cerebral tissue by electromagnetic fields. Bawin SM, et al. **Proc Natl Acad Sci USA** 75(12):6314–8, Dec 78

Depolarizing agents and cyclic nucleotides regulate the phosphorylation of specific neuronal proteins in rat cerebral cortex slices. Forn J, et al. **Proc Natl Acad Sci USA** 75(10):5195–9, Oct 78

Interaction of bombesin and litorin with specific membrane receptors on pancreatic acinar cells. Jensen RT, et al. **Proc Natl Acad Sci USA** 75(12):6139–43, Dec 78

Changes in transmitter release induced by ion-containing liposomes. Rahamimoff R, et al. **Proc Natl Acad Sci USA** 75(10):5214–6, Oct 78

Calcium uptake in the intestinal tract of germ-free and conventional chicks [proceedings] Palmer MF, et al. **Proc Nutr Soc** 37(3):113A, Dec 78

The long term effect of estrogen administration on the metabolism of male rat bone. Cruess RL, et al. **Proc Soc Exp Biol Med** 159(3):368–73, Dec 78

Development of in vivo cecal and colonic calcium fluxes in growing rats. Petith MM. **Proc Soc Exp Biol Med** 160(1):28–31, Jan 79

Total salivary calcium and amylase output of rat parotid with electrical stimulation of autonomic innervation. Schneyer CA, et al. **Proc Soc Exp Biol Med** 159(3):478–83, Dec 78

Effects of irradiation of Aplysia pacemaker neurons with 20-MeV electrons. Carpenter DO, et al. **Radiat Res** 76(1):32–47, Oct 78

Calcitonin binding sites in bone: relationships to biological response and 'escape'. Tashjian AH Jr, et al. **Recent Prog Horm Res** 34:285–334, 1978 (56 ref.)

Studies of the autistic syndromes. Coleman M. **Res Publ Assoc Res Nerv Ment Dis** 57:265–75, 1979

Acute pseudogout attack following parathyroidectomy. Nahir M, et al. **Rheumatol Rehabil** 17(1):6–7, Feb 78

Can brown bread significantly prejudice mineral metabolism? [editorial] Walker AR. **S Afr Med J** 54(16):632–3, 14 Oct 78

Intestinal calcium-binding protein (CaBP) and bone calcium mobilization in response to 25R,26 and 25S,26-dihydroxycholecalciferol in intact and nephrectomized rats. Thomasset M, et al. **Steroids** 32(5):577–87, Dec 78

The abnormal factor IX of hemophilia B+ variants. Bertina RM, et al. **Thromb Haemost** 40(2):335–49, 31 Oct 78

The platelet dense tubular system: its relationship to prostaglandin synthesis and calcium flux. Gerrard JM, et al. **Thromb Haemost** 40(2):224–31, 31 Oct 78 (15 ref.)

Movement of calcium ions and their role in the activation of platelets. Massini P, et al. **Thromb Haemost** 40(2):212–8, 31 Oct 78 (38 ref.)

The binding of calcium ions to bovine factor X by rate dialysis. Yue RH, et al. **Thromb Haemost** 40(2):350–7, 31 Oct 78

Calcium binding to human fibrinogen – localization of two calcium specific sites. Lindsey GG, et al. **Thromb Res** 13(3):345–50, Sep 78

Influence of pH on the kinetic and spectral properties of phospholipase A2 from Bitis gabonica (gaboon adder) snake venom. Viljoen CC, et al. **Toxicon** 17(1):77–87, 1979

Cadmium toxicity. Nutritional influences and the role of metallothionein. Bremner I. **World Rev Nutr Diet** 32:165–97, 1978 (183 ref.)

[Calcium metabolism (editorial)] **S Afr Med J** 54(14):551, 30 Sep 78 **(Afr)**

[Disorders of calcium and vitamin D metabolism in liver diseases (proceedings)] Kocián J. **Cesk Gastroenterol Vyz** 32(8):514–5, Dec 78 **(Cze)**

[Anticonvulsant-induced osteomalacia. Vitamin D metabolism disorders in epileptics on anticonvulsant therapy] Christiansen C, et al. **Ugeskr Laeger** 141(5):280–4, 29 Jan 79 (Eng. Abstr.) **(Dan)**

[Inhibition of calcium absorption and conditions of its prolongation in the presence of carbohydrate] Dupuis Y, et al. **Ann Nutr Aliment** 32(4):741–51, 1978 (Eng. Abstr.) **(Fre)**

[Study on the pineal gland of ungulates] Legait H, et al. **Bull Assoc Anat (Nancy)** 62(176):101–11, Mar 78 (Eng. Abstr.) **(Fre)**

[The thyroid gland and its regulation] Lamy F, et al. **C R Soc Biol (Paris)** 172(3):413–21, 1978 **(Fre)**

[The treatment of Paget's disease using salmon thyrocalcitonin. 8 cases (author's transl)] Deplante JP, et al. **Nouv Presse Med** 7(41):3753–6, 25 Nov 78 (Eng. Abstr.) **(Fre)**

[Ultrastructural and functional changes of rabbit myocardium after cholesterol feeding] David H, et al. **Acta Biol Med Ger** 37(4):577–91, 1978 (Eng. Abstr.) **(Ger)**

[Calcium utilization in the neuromuscular junction after acetylcholin treatment (author's transl)] Pánkai G, et al. **Acta Histochem (Jena)** 62(2):170–5, 1978 (Eng. Abstr.) **(Ger)**

[Studies in fattening bulls on the regulation of phosphorus requirements by ad libitum intake] Kreuzberg HJ, et al. **Arch Exp Veterinaermed** 32(5):645–51, 1978 (Eng. Abstr.) **(Ger)**

[The pharmacodynamics of local anesthetics] Steiner R. **Klin Anaesthesiol Intensivther** (18):17–31, 1978 **(Ger)**

[Disturbances of calcium-phosphate-metabolism by anticonvulsant drugs in relation to their serum concentration (author's transl)] Stögmann W. **Paediatr Paedol** 14(1):89–95, 1979 (Eng. Abstr.) **(Ger)**

[Origins of electric field formation of the heart muscle fibers] Antoni H. **Verh Dtsch Ges Kreislaufforsch** 44:1–8, 1978 **(Ger)**

[Cellular calcium and cell function. Cytochemical, ultrastructural and X-ray microanalytical studies (author's transl)] Schäfer H. **Veroeff Pathol** (109):1–186, 1979 (318 ref.) (Eng. Abstr.) **(Ger)**

[Effect of proscillaridin on adenosine triphosphatase in kidney tissue in the rat. Electron microscopy demonstration and significance for calcium metabolism] Regal DS. **Zentralbl Veterinaermed** [A] 25(9):704–17, Nov 78 (Eng. Abstr.) **(Ger)**

[Effectiveness of two Ca-antagonistic drugs on angina pectoris: nifedipine and verapamil versus nitroderivative and beta-blocking drugs (author's transl)] Chiavarelli V, et al. **G Ital Cardiol** 8(10):1122–8, 1978 (Eng. Abstr.) **(Ita)**

[Proper hemodialysis based on calcium and bone metabolism and related problems] Kawaquchi R, et al. **Nippon Jinzo Gakkai Shi** 20(6):730–3, Jun 78 **(Jpn)**

[Ultrastructural basis of acute cardiac insufficiency not associated with rhythm disorders] Sharov VG, et al. **Arkh Patol** 40(10):3–14, 1978 (85 ref.) (Eng. Abstr.) **(Rus)**

[Membrane-localized cAMP-dependent protein kinase and the mechanism regulating the slow inflowing current in frog heart] Lazarev AV, et al. **Dokl Akad Nauk SSSR** 244(3):747–50, 1979 **(Rus)**

[Effect of adrenal cortex hormones on the intracellular distribution of calcium in adipose tissue as a possible factor in the regulation of its sensitivity to adrenaline and ACTH] Orlov SN, et al. **Dokl Akad Nauk SSSR** 244(3):771–4, 1979 **(Rus)**

[Interorgan metabolic correlations during muscular activity and fatigue] Iakovlev NN, et al. **Fiziol Zh SSSR** 64(11):1655–66, Nov 78 (Eng. Abstr.) **(Rus)**

[Disturbance of the intracellular calcium distribution in the fatty tissue of rats with spontaneous genetic hypertension] Postnov IuV, et al. **Kardiologiia** 18(12):91–4, Dec 78 (Eng. Abstr.) **(Rus)**

[Critical length in small intestine resections] Gaón D. **Acta Gastroenterol Latinoam** 8(1):57–60, May 78 **(Spa)**

[Metabolic effects of Solanum malacoxylon in thyroparathyroidectomized rats] Ladizesky M, et al. **Medicina (B Aires)** 38(4):341–6, Jul-Aug 78 (Eng. Abstr.) **(Spa)**

[Sponge kidney (review of 34 cases of a lithiasic population)] Castrillo García J, et al. **Rev Clin Esp** 151(5):389–93, 15 Dec 78 (Eng. Abstr.) **(Spa)**

CHOLECALCIFEROLS

ANTAGONISTS & INHIBITORS

The study of the influence of DDT on the antirachitic activity of vitamin D in rats. Doboszyńska B, et al. **Pol J Pharmacol Pharm** 30(4):489–91, Jul-Aug 78

BLOOD

Mass fragmentographic determination of cholecalciferol and 25-hydroxycholecalciferol in human serum. Zagalak B, et al. **Experientia** 34(12):1537–9, 15 Dec 78

CHEMICAL SYNTHESIS

Synthesis and biological action of 3-deoxy-vitamin D3 and

3-deoxy-25-hydroxyvitamin D3. Edelstein S, et al. **FEBS Lett** 97(2):241-4, 15 Jan 79

METABOLISM

Incorportion of oxygen-18 into the 25-position of cholecalciferol by hepatic cholecalciferol 25-hydroxylase. Madhok TC, et al. **Biochem J** 175(2):479-82, 1 Nov 78

The absence of 24,25-dihydroxycholecalciferol in anephric patients. Taylor CM, et al. **Clin Sci Mol Med** 55(6):541-7, Dec 78

Genetic studies on the Gc subtypes. Cleve H, et al. **Hum Genet** 44(2):117-22, 31 Oct 78

Vitamin D physiology and some clinical aspects of the vitamin D endocrine system. Favus MJ. **Med Clin North Am** 62(6):1291-317, Nov 78

PHARMACODYNAMICS

Antiphosphaturic action of 25 (OH) vitamin D3 in experimental Fanconi syndrome. Popovtzer MM, et al. **Am J Physiol** 236(2):E90-7, Feb 79

Metabolism of 25-hydroxyvitamin D3 in kidney homogenates of chicks supplemented with vitamin D3. Takasaki Y, et al. **Biochem Biophys Res Commun** 85(2):601-7, 29 Nov 78

Stimulation of intestinal calcium-binding-protein mRNA synthesis in the nucleus of vitamin D-deficient chicks by 1,25-dihydroxycholecalciferol. Spencer R, et al. **Biochem J** 175(3):1089-94, 1 Dec 78

Effects of vitamin D3 metabolites on bone cell calcium transport. Dziak R. **Calcif Tissue Res** 26(1):65-70, 10 Nov 78

Trichinella spiralis: acceleration and inhibition of cyst calcification in rats. Newsome AL, et al. **Experientia** 34(12):1567-8, 15 Dec 78

Synthesis and biological action of 3-deoxy-vitamin D3 and 3-deoxy-25-hydroxyvitamin D3. Edelstein S, et al. **FEBS Lett** 97(2):241-4, 15 Jan 79

Diurnal variations in the influence of the ultimobranchial glands on calcium homeostasis in the frog (Rana pipiens). Robertson DR. **J Endocrinol** 79(2):167-78, Nov 78

Effects of vitamin D on the change of cyclic nucleotides and deoxyribonucleic acid contents in rat calvaria. Kakuta S, et al. **J Nutr Sci Vitaminol (Tokyo)** 24(5):519-26, 1978

The study of the influence of DDT on the antirachitic activity of vitamin D in rats. Doboszyńska B, et al. **Pol J Pharmacol Pharm** 30(4):489-91, Jul-Aug 78

POISONING

Nutrition imbalance and angiotoxins as dietary risk factors in coronary heart disease. Kummerow FA. **Am J Clin Nutr** 32(1):58-83, Jan 79 (108 ref.)

THERAPEUTIC USE

Long-term administration of vitamin D steroles in incipient and advanced renal failure: effect on bone histology. Malluche HH, et al. **Clin Nephrol** 10(6):219-28, Dec 78

Effects of vitamin D on the change of cyclic nucleotides and deoxyribonucleic acid contents in rat calvaria. Kakuta S, et al. **J Nutr Sci Vitaminol (Tokyo)** 24(5):519-26, 1978

[Effects of 1 alpha-OH-D3 on idiopathic hypoparathyroidism] Maeda R, et al. **Horumon To Rinsho** 26(10):1097-102, Oct 78 **(Jpn)**

TOXICITY

Hypervitaminosis D in sheep. An experimental study. Simesen MG, et al. **Acta Vet Scand** 19(4):588-600, 1978

DIHYDROTACHYSTEROL

THERAPEUTIC USE

[Hypoparathyroidism in adults (author's transl)] Vagneur JP, et al. **Ann Endocrinol (Paris)** 39(5):373-85, 1978 (Eng. Abstr.) **(Fre)**

DIHYDROXYCHOLECALCIFEROLS

On the nature of arterial and lung calcifications induced in cattle by Solanum glaucophyllum. Puche RC, et al. **Calcif Tissue Res** 26(1):61-4, 10 Nov 78

BIOSYNTHESIS

alpha25 Dihydroxyvitamin D--a new tool in medicine [editorial] Lindgren U. **Acta Med Scand** 205(1-2):1-2, 1979

Metabolism of 25-hydroxyvitamin D3 in kidney homogenates of chicks supplemented with vitamin D3. Takasaki Y, et al. **Biochem Biophys Res Commun** 85(2):601-7, 29 Nov 78

BLOOD

Plasma 1,25-dihydroxyvitamin D and parathyroid hormone levels in paretic dairy cows. Horst RL, et al. **Am J Physiol** 235(6):E634-7, Dec 78

The absence of 24,25-dihydroxycholecalciferol in anephric patients. Taylor CM, et al. **Clin Sci Mol Med** 55(6):541-7, Dec 78

Serum concentrations of 24,25(OH)2D in uremic children: a reflection of renal function. Weisman Y, et al. **J Pediatr** 94(2):190-3, Feb 79

Serum 1,25-dihydroxyvitamin D in bone diseases [letter] **N Engl J Med** 300(8):434-5, 22 Feb 79

METABOLISM

Acute effect of estradiol on the renal vitamin D hydroxylases in Japanese quail. Baksi SN, et al. **Biochem Pharmacol** 27(24):2765-8, 1978

Biological deactivation of the active analogue of cholecalciferol. Sheves M, et al. **FEBS Lett** 96(1):75-8, 1 Dec 78

Glucocorticoids regulate the concentration of 1,25-dihydroxycholecalciferol receptors in bone. Manolagas SC, et al. **Nature** 277(5694):314-5, 22 Jan 79

PHARMACODYNAMICS

Stimulation of intestinal calcium-binding-protein mRNA synthesis in the nucleus of vitamin D-deficient chicks by 1,25-dihydroxycholecalciferol. Spencer R, et al. **Biochem J** 175(3):1089-94, 1 Dec 78

The action of vitamin D metabolites (25 OHD3--12,5 (OH)2D3--24.25 (OH)2D3--25.26 (OH)2D3) on vitamin D deficient rats. Queille ML, et al. **Biomedicine** 28(4):237-42, Jul-Aug 78

Effects of vitamin D3 metabolites on bone cell calcium transport. Dziak R. **Calcif Tissue Res** 26(1):65-70, 10 Nov 78

The biological activity of 26-hydroxy-derivatives of cholecalciferol in vitamin D-deficient rats. Redel J, et al. **FEBS Lett** 96(1):216-8, 1 Dec 78

Induction by parathyroid hormone of ornithine decarboxylase in rabbit costal chondrocytes in culture. Takigawa M, et al. **J Biochem (Tokyo)** 85(1):311-4, Jan 79

Regulation of 25-hydroxycholecalciferol metabolism by 1,25-dihydroxycholecalciferol in relation to phosphate concentrations [proceedings] Barrett DI, et al. **J Endocrinol** 79(2):35P-36P, Nov 78

Renal tubular effects of 1,25-dihydroxy vitamin D3: interactions with vasopressin and parathyroid hormone in the vitamin D-depleted rat. Puschett JB, et al. **J Lab Clin Med** 92(6):895-903, Dec 78

Calcium and parathyroid disorders in children. Chronic renal failure and treatment with calcitriol. Chan JC, et al. **JAMA** 241(12):1242-4, 23 Mar 79

Intestinal calcium-binding protein (CaBP) and bone calcium mobilization in response to 25R,26 and 25S,26-dihydroxycholecalciferol in intact and nephrectomized rats. Thomasset M, et al. **Steroids** 32(5):577-87, Dec 78

THERAPEUTIC USE

alpha25 Dihydroxyvitamin D--a new tool in medicine [editorial] Lindgren U. **Acta Med Scand** 205(1-2):1-2, 1979

Calcium and parathyroid disorders in children. Chronic renal failure and treatment with calcitriol. Chan JC, et al. **JAMA** 241(12):1242-4, 23 Mar 79

Vitamin-D analogues and renal function [letter] Christiansen C, et al. **Lancet** 1(8106):50-1, 6 Jan 79

Serum 1,25-dihydroxyvitamin D in bone diseases [letter] **N Engl J Med** 300(8):434-5, 22 Feb 79

[Therapy of renal osteopathy] Schulz W. **Dtsch Med Wochenschr** 103(51):2025-7, 22 Dec 78 **(Ger)**

[Calcium phosphate metabolism during therapy with 1,25-dihydroxycholecalciferol [1,25 DHCC (Ro 21/5535)] in patients with advanced kidney insufficiency] Schulz W, et al. **Verh Dtsch Ges Inn Med** (84):1297-301, 1978 **(Ger)**

TOXICITY

Vitamin-D analogues and renal function [letter] Christiansen C, et al. **Lancet** 1(8106):50-1, 6 Jan 79

HYDROXYCHOLECALCIFEROLS

On the nature of arterial and lung calcifications induced in cattle by Solanum glaucophyllum. Puche RC, et al. **Calcif Tissue Res** 26(1):61-4, 10 Nov 78

ADMINISTRATION & DOSAGE

The effect of 1alpha-hydroxycholecalciferol on the healing of experimental fractures in adult rats. Lindholm TS, et al. **Acta Orthop Scand** 49(6):485-91, Dec 78

Osteomalacia and celiac disease: response to 25-hydroxyvitamin D. Hepner GW, et al. **Am J Med** 65(6):1015-20, Dec 78

ANALYSIS

High-performance liquid chromatographic method for the determination of 25-hydroxycholecalciferol in chicken egg yolks. Koshy KT, et al. **J Agric Food Chem** 27(1):180-3, Jan-Feb 79

BLOOD

Plasma 1,25-dihydroxyvitamin D and parathyroid hormone levels in paretic dairy cows. Horst RL, et al. **Am J Physiol** 235(6):E634-7, Dec 78

Plasma 25-hydroxyvitamin D and alkaline phosphatase isoenzymes in hyperthyroidism. Cleeve HJ, et al. **Ann Clin Biochem** 15(6):320-3, Nov 78

A method for studying plasma transport of vitamin D applicable to hypervitaminosis D. Fainaru M, et al. **Clin Chim Acta** 91(3):303-7, 1 Feb 79

The absence of 24,25-dihydroxycholecalciferol in anephric patients. Taylor CM, et al. **Clin Sci Mol Med** 55(6):541-7, Dec 78

Mass fragmentographic determination of cholecalciferol and 25-hydroxycholecalciferol in human serum. Zagalak B, et al. **Experientia** 34(12):1537-9, 15 Dec 78

Serum 25-hydroxy vitamin D in normal and osteomalacic subjects: a comparison of two assay techniques. Murray B, et al. **Ir J Med Sci** 148(1):15-9, Jan 79

Identification and determination of 25-hydroxyvitamin D3 in the blood and liver of vitamin D-deficient rats irradiated with ultraviolet light. Okano T, et al. **J Nutr Sci Vitaminol (Tokyo)** 24(5):511-8, 1978

Serum concentrations of 24,25(OH)2D in uremic children: a reflection of renal function. Weisman Y, et al. **J Pediatr** 94(2):190-3, Feb 79

Serum 1,25-dihydroxyvitamin D in bone diseases [letter] **N Engl J Med** 300(8):434-5, 22 Feb 79

Role of nutrition in the development of osteomalacia in the elderly. Pittet PG, et al. **Nutr Metab** 23(2):109-16, 1979

Influence of haemoperfusion on plasma levels of hormones and beta-methyldigoxin. Kokot F, et al. **Proc Eur Dial Transplant Assoc** 15:604-6, 1978

[Mineral metabolism of the horse. II. Seasonal influence on the serum concentration of calcium, phosphorus, magnesium, alkaline phosphatase and 24-hydroxyvitamin D3 in young horses] Gemeiner M, et al. **Zentralbl Veterinaermed [A]** 25(7):562-9, Sep 78 **(Ger)**

CHEMICAL SYNTHESIS

Synthesis and biological action of 3-deoxy-vitamin D3 and 3-deoxy-25-hydroxyvitamin D3. Edelstein S, et al. **FEBS Lett** 97(2):241-4, 15 Jan 79

METABOLISM

Metabolism of 25-hydroxyvitamin D3 in kidney homogenates of chicks supplemented with vitamin D3. Takasaki Y, et al. **Biochem Biophys Res Commun** 85(2):601-7, 29 Nov 78

Incorportion of oxygen-18 into the 25-position of cholecalciferol by hepatic cholecalciferol 25-hydroxylase. Madhok TC, et al. **Biochem J** 175(2):479-82, 1 Nov 78

Biological deactivation of the active analogue of cholecalciferol. Sheves M, et al. **FEBS Lett** 96(1):75-8, 1 Dec 78

Regulation of 25-hydroxycholecalciferol metabolism by 1,25-dihydroxycholecalciferol in relation to phosphate concentrations [proceedings] Barrett DI, et al. **J Endocrinol** 79(2):35P-36P, Nov 78

Identification and determination of 25-hydroxyvitamin D3 in the blood and liver of vitamin D-deficient rats irradiated with ultraviolet light. Okano T, et al. **J Nutr Sci Vitaminol (Tokyo)** 24(5):511-8, 1978

Glucocorticoids regulate the concentration of 1,25-dihydroxycholecalciferol receptors in bone. Manolagas SC, et al. **Nature** 277(5694):314-5, 22 Jan 79

Current status of the management of renal osteodystrophy. Fournier A, et al. **Proc Eur Dial Transplant Assoc** 15:547-68, 1978 (50 ref.)

[Calcium metabolism (editorial)] **S Afr Med J** 54(14):551, 30 Sep 78 **(Afr)**

PHARMACODYNAMICS

Stimulation of intestinal calcium-binding-protein mRNA synthesis in the nucleus of vitamin D-deficient chicks by 1,25-dihydroxycholecalciferol. Spencer R, et al. **Biochem J** 175(3):1089-94, 1 Dec 78

The action of vitamin D metabolites (25 OHD3--12,5 (OH)2D3--24.25 (OH)2D3--25.26 (OH)2D3) on vitamin D deficient rats. Queille ML, et al. **Biomedicine** 28(4):237-42, Jul-Aug 78

Effects of vitamin D3 metabolites on bone cell calcium transport. Dziak R. **Calcif Tissue Res** 26(1):65-70, 10 Nov 78

Synthesis and biological action of 3-deoxy-vitamin D3 and 3-deoxy-25-hydroxyvitamin D3. Edelstein S, et al. **FEBS Lett** 97(2):241-4, 15 Jan 79

The biological activity of 26-hydroxy-derivatives of cholecalciferol in vitamin D-deficient rats. Redel J, et al. **FEBS Lett** 96(1):216-8, 1 Dec 78

Regulation of 25-hydroxycholecalciferol metabolism by 1,25-dihydroxycholecalciferol in relation to phosphate concentrations [proceedings] Barrett DI, et al. **J Endocrinol** 79(2):35P-36P, Nov 78

Renal tubular effects of 1,25-dihydroxy vitamin D3: interactions with vasopressin and parathyroid hormone in the vitamin D-depleted rat. Puschett JB, et al. **J Lab Clin Med** 92(6):895-903, Dec 78

Intestinal calcium-binding protein (CaBP) and bone calcium mobilization in response to 25R,26 and 25S,26-dihydroxycholecalciferol in intact and nephrectomized rats. Thomasset M, et al. **Steroids** 32(5):577-87, Dec 78

RADIATION EFFECTS

Identification and determination of 25-hydroxyvitamin D3 in the blood and liver of vitamin D-deficient rats irradiated with ultraviolet light. Okano T, et al. **J Nutr Sci Vitaminol (Tokyo)** 24(5):511-8, 1978

THERAPEUTIC USE

alpha25 Dihydroxyvitamin D--a new tool in medicine [editorial] Lindgren U. **Acta Med Scand** 205(1-2):1-2, 1979

The effect of 1alpha-hydroxycholecalciferol on the healing of experimental fractures in adult rats. Lindholm TS, et al. **Acta Orthop Scand** 49(6):485-91, Dec 78

Osteomalacia and celiac disease: response to 25-hydroxyvitamin D. Hepner GW, et al. **Am J Med** 65(6):1015-20, Dec 78

Case report: hypoparathyroidism and iron storage disease. Treatment with 25-hydroxy-vitamin D3. Mautalen CA, et al. **Am J Med Sci** 276(3):363-8, Nov-Dec 78

Calcium and parathyroid disorders in children. Chronic renal failure and treatment with calcitriol. Chan JC, et al. **JAMA** 241(12):1242-4, 23 Mar 79

Biological activity of endogenous and exogenous calcitonin in patients with osteitis fibrosa and chronic renal failure. Cundy T, et al. **Proc Eur Dial Transplant Assoc** 15:524-31, 1978

Cessation of bone loss in chronic renal failure by 1-alpha-hydroxyvitamin D3: a controlled trial. Madsen S, et al. **Proc Eur Dial Transplant Assoc** 15:517-23, 1978

[Drug information. Etalpha] Madsen S, et al. **Ugeskr Laeger** 141(5):310-2, 29 Jan 79 **(Dan)**

[Vitamin D--new therapeutic aspects (editorial)] Madsen S. **Ugeskr Laeger** 141(5):315-6, 29 Jan 79 **(Dan)**

[Hypoparathyroidism in adults (author's transl)] Vagneur JP, et al. **Ann Endocrinol (Paris)** 39(5):373-85, 1978 (Eng. Abstr.) **(Fre)**

[Calcium phosphate metabolism during therapy with 1,25-dihydroxycholecalciferol [1,25 DHCC (Ro 21/5535)] in patients with advanced kidney insufficiency] Schulz W, et al. **Verh Dtsch Ges Inn Med** (84):1297-301, 1978 **(Ger)**

TOXICITY

Hypervitaminosis D in sheep. An experimental study. Simesen MG, et al. **Acta Vet Scand** 19(4):588–600, 1978
Vitamin-D analogues and renal function [letter] Christiansen C, et al. **Lancet** 1(8106):50–1, 6 Jan 79

HYPERCALCEMIA

BLOOD

Effect of verapamil on insulin response to alcohol hypoglycemia in patients with primary hyperparathyroidism. Röjdmark S. **Diabetes** 28(1):21–5, Jan 79
Hypercalcemia and hypophosphatemia in a mare with renal insufficiency. Brobst DF, et al. **J Am Vet Med Assoc** 173(10):1370–2, 15 Nov 78
Hypercalcaemia in adolescent tetraplegic patients: case report and review. Steinberg FU, et al. **Paraplegia** 16(1):60–7, May 78
[Calcitonin and hypercalcaemia (author's transl)] Milhaud G, et al. **Sem Hop Paris** 54(29–32):911–7, 8–15 Oct 78 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

A reevaluation of the cause of acute hypercalcemia following intravenous administration of lead acetate. Talmage RV, et al. **Calcif Tissue Res** 26(2):149–53, 8 Dec 78

COMPLICATIONS

Calcium, phosphate and parathyroid disturbances in acute renal failure. Black AM. **Anaesth Intensive Care** 6(4):342–9, Nov 78
Paget's disease of bone and hyperparathyroidism: coincidence or causal relationship? Posen S, et al. **Calcif Tissue Res** 26(2):107–9, 8 Dec 78
Secondary hyperparathyroidism in chronic renal failure. Pathophysiology and treatment. Hanley DA, et al. **Med Clin North Am** 62(6):1319–39, Nov 78 (115 ref.)
Acne, hypervitaminosis A and hypercalcaemia. A case report. Hofman KJ, et al. **S Afr Med J** 54(14):579–80, 30 Sep 78
Experience with the radioimmunoassay for parathyroid hormone in the diagnosis of primary hyperparathyroidism. Carswell GF, et al. **Trans Am Assoc Genitourin Surg** 69:113–7, 1977
[Subacute encephalopathy in milk-alkali syndrome (apropos of a case report)] Montagne B, et al. **Lille Med** 23(9):650–3, 1978 **(Fre)**
[Depression in Fahr's disease] Lipák J, et al. **Orv Hetil** 119(52):3195–8, 24 Dec 78 **(Hun)**
[Relations between hypercalcemia and peptic ulcer] Abeatici S, et al. **Minerva Chir** 33(23–24):1697–704, 15–31 Dec 78 (Eng. Abstr.) **(Ita)**
[Clinical considerations on a case of Fahr's disease] Franco N, et al. **Riv Neurobiol** 23(4):255–61, Oct-Dec 77 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

[Islet cell carcinoma causing Verner-Morrison syndrome (author's transl)] Rosenberger J, et al. **Leber Magen Darm** 9(1):6–10, Feb 79 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Clinicopathologic conference. Erythrocytosis. **Am J Med** 65(6):1007–14, Dec 78
Hypercalcemia and cancer: an update. Murray TM, et al. **Can Med Assoc J** 119(8):915–20, 21 Oct 78 (65 ref.)
Sarcoidosis with extreme hypercalcemia [letter] Eisenbud E, et al. **Chest** 74(5):604, Nov 78
Poorly differentiated lymphocytic lymphoma with ectopic parathormone production: visulization of metastatic calcification by bone scan. Williamson BR, et al. **Clin Nucl Med** 3(10):382–4, Oct 78
Primary hyperparathyroidism with multiple parathyroid gland enlargement: review of 53 cases. Scholz DA, et al. **Mayo Clin Proc** 53(12):792–7, Dec 78
Malignant hypercalcemia in a dog with lymphosarcoma. Weller RE, et al. **Mod Vet Pract** 59(12):901–3, Dec 78
Acute lead-induced increase in serum calcium in the rat without increased secretion of calcitonin. Peng TC, et al. **Proc Soc Exp Biol Med** 160(1):114–7, Jan 79
[Islet cell carcinoma causing Verner-Morrison syndrome (author's transl)] Rosenberger J, et al. **Leber Magen Darm** 9(1):6–10, Feb 79 (Eng. Abstr.) **(Ger)**

METABOLISM

Biochemical markers in bronchogenic carcinoma. Coombes RC, et al. **Br J Dis Chest** 72(4):263–87, Oct 78 (83 ref.)
Hypercalcemia and cancer: an update. Murray TM, et al. **Can Med Assoc J** 119(8):915–20, 21 Oct 78 (65 ref.)
Bone mineral content in renal transplant patients. Nielsen HE. **Clin Nephrol** 10(5):196–200, Nov 78
[Cellular calcium and cell function. Cytochemical, ultrastructural and X-ray microanalytical studies (author's transl)] Schäfer H. **Veroeff Pathol** (109):1–186, 1979 (318 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Malignant hypercalcemia in a dog with lymphosarcoma. Weller RE, et al. **Mod Vet Pract** 59(12):901–3, Dec 78
Morphologic and morphometric studies on human C cells in disorders of calcium metabolism. Nadig J, et al. **Virchows Arch [Cell Pathol]** 29(3):151–65, 21 Dec 78

PHYSIOPATHOLOGY

Effect of verapamil on insulin response to alcohol hypoglycemia in patients with primary hyperparathyroidism. Röjdmark S. **Diabetes** 28(1):21–5, Jan 79
[Calcitonin and hypercalcaemia (author's transl)] Milhaud G, et al. **Sem Hop Paris** 54(29–32):911–7, 8–15 Oct 78 (Eng. Abstr.) **(Fre)**

THERAPY

Hypercalcemia and cancer: an update. Murray TM, et al. **Can Med Assoc J** 119(8):915–20, 21 Oct 78 (65 ref.)

VETERINARY

Hypercalcemia and hypophosphatemia in a mare with renal insufficiency. Brobst DF, et al. **J Am Vet Med Assoc** 173(10):1370–2, 15 Nov 78
Malignant hypercalcemia in a dog with lymphosarcoma. Weller RE, et al. **Mod Vet Pract** 59(12):901–3, Dec 78

OSTEITIS FIBROSA CYSTICA

BLOOD

Biological activity of endogenous and exogenous calcitonin in patients with osteitis fibrosa and chronic renal failure. Cundy T, et al. **Proc Eur Dial Transplant Assoc** 15:524–31, 1978

COMPLICATIONS

Biological activity of endogenous and exogenous calcitonin in patients with osteitis fibrosa and chronic renal failure. Cundy T, et al. **Proc Eur Dial Transplant Assoc** 15:524–31, 1978
[Parathyroid adenoma] Spaček B, et al. **Rozhl Chir** 57(11):716–21, Nov 78 (Eng. Abstr.) **(Cze)**

DIAGNOSIS

Differential diagnosis of osteopenia. Mundy GR. **Hosp Pract** 13(11):65–72, Nov 78

DRUG THERAPY

Biological activity of endogenous and exogenous calcitonin in patients with osteitis fibrosa and chronic renal failure. Cundy T, et al. **Proc Eur Dial Transplant Assoc** 15:524–31, 1978

METABOLISM

Differential diagnosis of osteopenia. Mundy GR. **Hosp Pract** 13(11):65–72, Nov 78

PATHOLOGY

Differential diagnosis of osteopenia. Mundy GR. **Hosp Pract** 13(11):65–72, Nov 78

OSTEOGENESIS IMPERFECTA

DIAGNOSIS

[Hydroxyprolinuria, index of severity in osteogenesis imperfecta tarda (letter)] Rico Lenza H, et al. **Nouv Presse Med** 7(43):3941, 2 Dec 78 **(Fre)**

FAMILIAL & GENETIC

A syndrome of osteogenesis imperfecta, microcephaly, and cataracts. Buyse M, et al. **Birth Defects** 14(6B):95–8, 1978

METABOLISM

Diseases of the collagen molecule. Levene CI. **J Clin Pathol [Suppl]** (12):82–94, 1978 (134 ref.)
Molecular abnormalities of collagen. Pope FM, et al. **J Clin Pathol [Suppl]** (12):95–104, 1978 (46 ref.)

URINE

[Hydroxyprolinuria, index of severity in osteogenesis imperfecta tarda (letter)] Rico Lenza H, et al. **Nouv Presse Med** 7(43):3941, 2 Dec 78 **(Fre)**

OSTEOMALACIA

BLOOD

Serum 25-hydroxy vitamin D in normal and osteomalacic subjects: a comparison of two assay techniques. Murray B, et al. **Ir J Med Sci** 148(1):15–9, Jan 79

CHEMICALLY INDUCED

Management of osteomalacia. Avioli LV. **Hosp Pract** 14(1):109–14, Jan 79
Fracturing dialysis osteodystrophy and dialysis encephalopathy. An epidemiological survey. Parkinson IS, et al. **Lancet** 1(8113):406–9, 24 Feb 79
[Anticonvulsant-induced osteomalacia. Vitamin D metabolism disorders in epileptics on anticonvulsant therapy] Christiansen C, et al. **Ugeskr Laeger** 141(5):280–4, 29 Jan 79 (Eng. Abstr.) **(Dan)**

COMPLICATIONS

Multiple spontaneous fractures of the pelvis and femoral neck during pregnancy. Chatterjee SK, et al. **Int J Gynaecol Obstet** 16(1):34–7, 1978

DIAGNOSIS

Atypical axial osteomalacia. Report of four cases with two having features of ankylosing spondylitis. Nelson AM, et al. **Arthritis Rheum** 21(6):715–22, Jul–Aug 78
Differential diagnosis of osteopenia. Mundy GR. **Hosp Pract** 13(11):65–72, Nov 78
Clinical strategy in osteopenia [editorial] Raisz LG. **Hosp Pract** 13(11):11–2, 21, Nov 78
Bone disease in the elderly. Hosking DJ. **J R Coll Physicians Lond** 13(1):39–42, Jan 79

DRUG THERAPY

Osteomalacia and celiac disease: response to 25-hydroxyvitamin D. Hepner GW, et al. **Am J Med** 65(6):1015–20, Dec 78
Clinical strategy in osteopenia [editorial] Raisz LG. **Hosp Pract** 13(11):11–2, 21, Nov 78

ETIOLOGY

Effect of ethanol feeding on bone composition in the rat. Mezey E, et al. **Am J Clin Nutr** 32(1):25–9, Jan 79
Osteomalacia and celiac disease: response to 25-hydroxyvitamin D. Hepner GW, et al. **Am J Med** 65(6):1015–20, Dec 78
Management of osteomalacia. Avioli LV. **Hosp Pract** 14(1):109–14, Jan 79
Bone disease in the elderly. Hosking DJ. **J R Coll Physicians Lond** 13(1):39–42, Jan 79
Vitamin D physiology and some clinical aspects of the vitamin D endocrine system. Favus MJ. **Med Clin North Am** 62(6):1291–317, Nov 78
Role of nutrition in the development of osteomalacia in the elderly. Pittet PG, et al. **Nutr Metab** 23(2):109–16, 1979
Aluminium: removal from water supplies Parkinson IS, et al. **Proc Eur Dial Transplant Assoc** 15:586–7, 1978
[2 cases of osteomalacia following urinary enteroplasty for bilharziasis] Gattegno B, et al. **J Urol Nephrol (Paris)** 83 Suppl 2:366–8, 1977 **(Fre)**
[Bone scans in the diagnosis of renal osteopathy] Neyer U, et al. **Minerva Med** 69(58):3951–9, 30 Nov 78 (Eng. Abstr.) **(Ita)**

METABOLISM

Differential diagnosis of osteopenia. Mundy GR. **Hosp Pract** 13(11):65–72, Nov 78
Bone disease in the elderly. Hosking DJ. **J R Coll Physicians Lond** 13(1):39–42, Jan 79

PATHOLOGY

Atypical axial osteomalacia. Report of four cases with two having features of ankylosing spondylitis. Nelson AM, et al. **Arthritis Rheum** 21(6):715–22, Jul–Aug 78
Differential diagnosis of osteopenia. Mundy GR. **Hosp Pract** 13(11):65–72, Nov 78
Bone scintigraphy in renal osteodystrophy. de Graaf P, et al. **J Nucl Med** 19(12):1289–96, Dec 78
[Bone scans in the diagnosis of renal osteopathy] Neyer U, et al. **Minerva Med** 69(58):3951–9, 30 Nov 78 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

[Lights and shadows in endosseous implant prostheses in the menopausal woman. Humoral and endocrine problems] Treves G. **Dent Cadmos** 46(7):33–43, Jul 78 **(Ita)**

RADIOGRAPHY

Atypical axial osteomalacia. Report of four cases with two having features of ankylosing spondylitis. Nelson AM, et al. **Arthritis Rheum** 21(6):715–22, Jul–Aug 78
Abnormalities of bone and soft tissue following renal transplantation. Resnick D. **Semin Roentgenol** 13(4):329–40, Oct 78

THERAPY

Management of osteomalacia. Avioli LV. **Hosp Pract** 14(1):109–14, Jan 79

OSTEOPETROSIS

CONGENITAL

Lymph nodes in congenital osteopetrosis of the op rat (ultrastructural study). Graf B, et al. **Biomedicine [Express]** 29(6):200–8, Oct 78
Abbrogation of congenital osteopetrosis by leukocyte subpopulations. pp. 383–7. Walker DG. **In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.**

DRUG THERAPY

The hematopoietic effects of prednisone therapy in four infants with osteopetrosis. Reeves JD, et al. **J Pediatr** 94(2):210–4, Feb 79

FAMILIAL & GENETIC

Immunological defects in osteopetrotic mice. pp. 389–98. Olsen CE, et al. **In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.**

IMMUNOLOGY

Immunological defects in osteopetrotic mice. pp. 389–98. Olsen CE, et al. **In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.**
Abbrogation of congenital osteopetrosis by leukocyte subpopulations. pp. 383–7. Walker DG. **In: Horton JE, et al., ed. Mechanisms of localized bone**

loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

Characterization of the immunosuppression accompanying virus-induced avian osteopetrosis. Smith RE, et al. **Infect Immun** 22(2):452-61, Nov 78

METABOLISM

Immunological defects in osteopetrotic mice. pp. 389-98. Olsen CE, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

PATHOLOGY

Lymph nodes in congenital osteopetrosis of the op rat (ultrastructural study). Graf B, et al. **Biomedicine [Express]** 29(6):200-8, Oct 78

Characterization of the immunosuppression accompanying virus-induced avian osteopetrosis. Smith RE, et al. **Infect Immun** 22(2):452-61, Nov 78

PHYSIOPATHOLOGY

Abbrogation of congenital osteopetrosis by leukocyte subpopulations. pp. 383-7. Walker DG.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

The hematopoietic effects of prednisone therapy in four infants with osteopetrosis. Reeves JD, et al. **J Pediatr** 94(2):210-4, Feb 79

SURGERY

Lymphoid cell transplantation in human osteopetrosis. pp. 399-414. Ballet JJ, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

OSTEOPOROSIS

Highly localized transient osteoporosis of the knee [letter] Doury P, et al. **Arthritis Rheum** 21(8):992-3, Nov-Dec 78

The need for new animal models-a philosphic approach. Prichard RW. **J Am Vet Med Assoc** 173(9):1208-9, 1 Nov 78

BLOOD

Effect of intravenous calcium load on the serum calcium level in postmenopausal osteoporosis (a study of the pathogenesis, and diagnostic use of the test). Holló I, et al. **Acta Med Acad Sci Hung** 35(1):53-9, 1978

Actual concept of osteoporosis in paraplegia. Chantraine A. **Paraplegia** 16(1):51-8, May 78

CHEMICALLY INDUCED

[Disturbances of calcium-phosphate-metabolism by anticonvulsant drugs in relation to their serum concentration (author's transl)] Stögmann W. **Paediatr Paedol** 14(1):89-95, 1979 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Fat embolism in children. Limbird TJ, et al. **Clin Orthop** (136):267-9, Oct 78

Rigid stabilization of fractures using adjunctive methylmethacrylate. Mensch JS. **J Fla Med Assoc** 66(1):45-8, Jan 79

Prosthodontic failures in patients with systemic disorders. Langer A. **J Oral Rehabil** 6(1):13-9, Jan 79

DIAGNOSIS

Effect of intravenous calcium load on the serum calcium level in postmenopausal osteoporosis (a study of the pathogenesis, and diagnostic use of the test). Holló I, et al. **Acta Med Acad Sci Hung** 35(1):53-9, 1978

What to do with 'postmenopausal osteoporosis?' [editorial] Avioli LV. **Am J Med** 65(6):881-4, Dec 78

Reflex sympathetic dystrophy syndrome of the knee following meniscectomy. Report of three cases. Kim HJ, et al. **Arthritis Rheum** 22(2):177-81, Feb 79

Noninvasive measurements of bone mass and their clinical significance. Cohn SH, et al. **Calcif Tissue Res** 26(1):1-3, 10 Nov 78

Differential diagnosis of osteopenia. Mundy GR. **Hosp Pract** 13(11):65-72, Nov 78

Clinical strategy in osteopenia [editorial] Raisz LG. **Hosp Pract** 13(11):11-2, 21, Nov 78

Management of osteoporosis. Wallach S. **Hosp Pract** 13(12):91-8, Dec 78

Bone disease in the elderly. Hosking DJ. **J R Coll Physicians Lond** 13(1):39-42, Jan 79

The patient's view of osteoporosis. Low AW. **Nurs Times** 75(1):38-9, 4 Jan 79

[Epidemiology and diagnostics of osteoporosis (author's transl)] Podruschnjak EP, et al. **ZFA (Dresden)** 33(3):279-83, 1978 **(Ger)**

DRUG THERAPY

What to do with 'postmenopausal osteoporosis?' [editorial] Avioli LV. **Am J Med** 65(6):881-4, Dec 78

Highly localized transient osteoporosis of the knee [letter] Doury P, et al. **Arthritis Rheum** 21(8):992-3, Nov-Dec 78

Iatrogenic fluorosis. Grennan DM, et al. **Aust NZ J Med** 8(5):528-31, Oct 78

Effect of testosterone therapy on bone formation in an osteoporotic hypogonadal male. Baran DT, et al. **Calcif Tissue Res** 26(2):103-6, 8 Dec 78

Clinical strategy in osteopenia [editorial] Raisz LG. **Hosp Pract** 13(11):11-2, 21, Nov 78

Management of osteoporosis. Wallach S. **Hosp Pract** 13(12):91-8, Dec 78

[Juvenile osteoporosis (letter)] Haas HG. **Dtsch Med Wochenschr** 104(2):46, 12 Jan 79 **(Ger)**

[Biological availability of Ossin, a sodium-fluoride dragee for osteoporosis therapy] Becker R. **Fortschr Med** 97(1):39-42, 4 Jan 79 (Eng. Abstr.) **(Ger)**

[Pharmacokinetic studies of fluoride treatment for osteoporosis] Fuchs C, et al. **Verh Dtsch Ges Inn Med** (84):1119-21, 1978 **(Ger)**

[List of prescriptions for therapy of osteoporosis] Fanelli V. **Clin Ter** 86(4):385-8, 31 Aug 78 **(Ita)**

ETIOLOGY

Effect of intravenous calcium load on the serum calcium level in postmenopausal osteoporosis (a study of the pathogenesis, and diagnostic use of the test). Holló I, et al. **Acta Med Acad Sci Hung** 35(1):53-9, 1978

Multiple nutritional deficiencies in infants from a strict vegetarian community. Zmora E, et al. **Am J Dis Child** 133(2):141-4, Feb 79

A histometric evaluation of alveolar trabecular bone density in the jaws of protein-deficient rats. Pack AR. **Arch Oral Biol** 23(10):871-4, 1978

Reflex sympathetic dystrophy syndrome of the knee following meniscectomy. Report of three cases. Kim HJ, et al. **Arthritis Rheum** 22(2):177-81, Feb 79

Osteoporosis: juvenile, idiopathic and postmenopausal. pp. 345-63. Jowsey JO, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

Bone disease in the elderly. Hosking DJ. **J R Coll Physicians Lond** 13(1):39-42, Jan 79

Lactase deficiency in osteoporosis [editorial] **Lancet** 1(8107):86, Jan 79

The effect of ovarian sex steroids on bone mineral status in the oöphorectomized rat and in the human. Lindsay R, et al. **Postgrad Med J** 54(2):50-8, 1978

[Incidence of lactose intolerance in postmenopausal osteoporosis] Velebit L, et al. **Schweiz Med Wochenschr** 108(52):2061-5, 30 Dec 78 (Eng. Abstr.) **(Fre)**

[Experimental studies on the castration osteoporosis in the rat. II. Behavior of bone minerals] Hempel E, et al. **Zentralbl Gynaekol** 100(21):1391-8, 1978 (Eng. Abstr.) **(Ger)**

[Experimental studies on the castration osteoporosis in the rat. I. Bone morphometry] Hempel E, et al. **Zentralbl Gynaekol** 100(21):1385-90, 1978 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

COFS syndrome revisited. Pena SD, et al. **Birth Defects** 14(6B):205-13, 1978

METABOLISM

Differential diagnosis of osteopenia. Mundy GR. **Hosp Pract** 13(11):65-72, Nov 78

PARATHYROID AND BONE

Bone disease in the elderly. Hosking DJ.
J R Coll Physicians Lond 13(1):39–42, Jan 79
The estimation of dermal collagen in osteoporotic patients by a histomorphometric method. Leong AS, et al.
Pathology 10(4):365–71, Oct 78
[Incidence of lactose intolerance in postmenopausal osteoporosis] Velebit L, et al. **Schweiz Med Wochenschr** 108(52):2061–5, 30 Dec 78 (Eng. Abstr.) **(Fre)**
[Experimental studies on the castration osteoporosis in the rat. II. Behavior of bone minerals] Hempel E, et al.
Zentralbl Gynaekol 100(21):1391–8, 1978 (Eng. Abstr.) **(Ger)**

OCCURRENCE

[Epidemiology and diagnostics of osteoporosis (author's transl)] Podruschnjak EP, et al. **ZFA (Dresden)** 33(3):279–83, 1978 **(Ger)**

PATHOLOGY

A histometric evaluation of alveolar trabecular bone density in the jaws of protein-deficient rats. Pack AR.
Arch Oral Biol 23(10):871–4, 1978
Reflex sympathetic dystrophy syndrome of the knee following meniscectomy. Report of three cases. Kim HJ, et al.
Arthritis Rheum 22(2):177–81, Feb 79
Differential diagnosis of osteopenia. Mundy GR.
Hosp Pract 13(11):65–72, Nov 78
The estimation of dermal collagen in osteoporotic patients by a histomorphometric method. Leong AS, et al.
Pathology 10(4):365–71, Oct 78
[Experimental studies on the castration osteoporosis in the rat. I. Bone morphometry] Hempel E, et al.
Zentralbl Gynaekol 100(21):1385–90, 1978 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Osteoporosis: juvenile, idiopathic and postmenopausal. pp. 345–63. Jowsey JO, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.
[Lights and shadows in endosseous implant prostheses in the menopausal woman. Humoral and endocrine problems] Treves G. **Dent Cadmos** 46(7):33–43, Jul 78 **(Ita)**

PREVENTION & CONTROL

Reproductive hormone function: the perimenopausal period and beyond. Korenman SG, et al.
Clin Endocrinol Metab 7(3):625–43, Nov 78 (82 ref.)
The effect of ovarian sex steroids on bone mineral status in the oöphorectomized rat and in the human. Lindsay R, et al. **Postgrad Med J** 54(2):50–8, 1978
[Experimental studies on the castration osteoporosis in the rat. I. Bone morphometry] Hempel E, et al.
Zentralbl Gynaekol 100(21):1385–90, 1978 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Highly localized transient osteoporosis of the knee [letter] Doury P, et al. **Arthritis Rheum** 21(8):992–3, Nov–Dec 78
Actual concept of osteoporosis in paraplegia. Chantraine A.
Paraplegia 16(1):51–8, May 78
On the clinical significance of the Singh-index. Gyarmati J, et al. **Radiol Diagn (Berl)** 19(5):584–90, Oct 78
Abnormalities of bone and soft tissue following renal transplantation. Resnick D. **Semin Roentgenol** 13(4):329–40, Oct 78

RADIONUCLIDE IMAGING

Highly localized transient osteoporosis of the knee [letter] Doury P, et al. **Arthritis Rheum** 21(8):992–3, Nov–Dec 78

THERAPY

The patient's view of osteoporosis. Low AW. **Nurs Times** 75(1):38–9, 4 Jan 79

PSEUDOHYPOPARATHYROIDISM

CONGENITAL

Transient congenital pseudohypoparathyroidism type II. Kodama S, et al. **Kobe J Med Sci** 24(4):199–210, Dec 78

URINE

Transient congenital pseudohypoparathyroidism type II. Kodama S, et al. **Kobe J Med Sci** 24(4):199–210, Dec 78

RENAL OSTEODYSTROPHY

BLOOD

[Diagnosis of renal osteopathy] Schulz W.
Dtsch Med Wochenschr 103(51):2023–5, 22 Dec 78 **(Ger)**

CHEMICALLY INDUCED

Fracturing dialysis osteodystrophy and dialysis encephalopathy. An epidemiological survey. Parkinson IS, et al. **Lancet** 1(8113):406–9, 24 Feb 79

COMPLICATIONS

Renal tubular acidosis with osteo dystrophy and metabolic myopathy (report of fifteen cases). Amaresan MS, et al.
J Assoc Physicians India 26(4):249–56, Apr 78
Abnormalities of bone and soft tissue following renal transplantation. Resnick D. **Semin Roentgenol** 13(4):329–40, Oct 78
[Therapy of renal osteopathy] Schulz W.
Dtsch Med Wochenschr 103(51):2025–7, 22 Dec 78 **(Ger)**

DIAGNOSIS

[Renal osteodystrophy; observations in patients treated with chronic intermittent hemodialysis] Fieren M, et al.
Ned Tijdschr Geneeskd 123(8):289–92, 24 Feb 79 (Eng. Abstr.) **(Dut)**
[Diagnosis of renal osteopathy] Schulz W.
Dtsch Med Wochenschr 103(51):2023–5, 22 Dec 78 **(Ger)**

DRUG THERAPY

Cessation of bone loss in chronic renal failure by 1-alpha-hydroxyvitamin D3: a controlled trial. Madsen S, et al. **Proc Eur Dial Transplant Assoc** 15:517–23, 1978
[Therapy of renal osteopathy] Schulz W.
Dtsch Med Wochenschr 103(51):2025–7, 22 Dec 78 **(Ger)**

ENZYMOLOGY

Childhood renal osteodystrophy. Avioli LV. **Kidney Int** 14(4):355–60, Oct 78 (45 ref.)

ETIOLOGY

Intestinal calcium absorption, serum phosphate, and parathyroid hormone in patients with chronic renal failure and osteodystrophy before and during hemodialysis. Juttmann JR, et al. **Calcif Tissue Res** 26(2):119–26, 8 Dec 78
Childhood renal osteodystrophy. Avioli LV. **Kidney Int** 14(4):355–60, Oct 78 (45 ref.)
Vitamin D physiology and some clinical aspects of the vitamin D endocrine system. Favus MJ. **Med Clin North Am** 62(6):1291–317, Nov 78
Secondary hyperparathyroidism in chronic renal failure. Pathophysiology and treatment. Hanley DA, et al.
Med Clin North Am 62(6):1319–39, Nov 78 (115 ref.)
Current status of the management of renal osteodystrophy. Fournier A, et al. **Proc Eur Dial Transplant Assoc** 15:547–68, 1978 (50 ref.)
Cessation of bone loss in chronic renal failure by 1-alpha-hydroxyvitamin D3: a controlled trial. Madsen S, et al. **Proc Eur Dial Transplant Assoc** 15:517–23, 1978
[Renal osteodystrophy; observations in patients treated with chronic intermittent hemodialysis] Fieren M, et al.
Ned Tijdschr Geneeskd 123(8):289–92, 24 Feb 79 (Eng. Abstr.) **(Dut)**
[Therapy of renal osteopathy] Schulz W.
Dtsch Med Wochenschr 103(51):2025–7, 22 Dec 78 **(Ger)**
[Densitometric studies by means of the photon absorption technic in renal osteopathy] Samizadeh A, et al.
Verh Dtsch Ges Inn Med (84):1113–5, 1978 **(Ger)**
[Clinical study of renal osteodystrophy in chronic dialysis patients by means of whole body skeletal scintiphotography (author's transl)] Kida T, et al. **Kaku Igaku** 15(7):1005–11, Oct 78 (Eng. Abstr.) **(Jpn)**

METABOLISM

Intestinal calcium absorption, serum phosphate, and parathyroid hormone in patients with chronic renal failure and osteodystrophy before and during hemodialysis. Juttmann JR, et al. **Calcif Tissue Res** 26(2):119–26, 8 Dec 78

Current status of the management of renal osteodystrophy. Fournier A, et al. **Proc Eur Dial Transplant Assoc** 15:547–68, 1978 (50 ref.)

[Plasma hydroxyproline determination in patients with metabolic diseases of the bone collagen] Leicht E, et al. **Verh Dtsch Ges Inn Med** (84):1115–9, 1978 **(Ger)**

OCCURRENCE

Fracturing dialysis osteodystrophy and dialysis encephalopathy. An epidemiological survey. Parkinson IS, et al. **Lancet** 1(8113):406–9, 24 Feb 79

PATHOLOGY

Bone scintigraphy in renal osteodystrophy. de Graaf P, et al. **J Nucl Med** 19(12):1289–96, Dec 78

Metacarpal cortical thickness in uremic patients on regular hemodialysis. Del Rio A, et al. **Nephron** 22(4–6):354–60, 1978

[Renal osteodystrophy; observations in patients treated with chronic intermittent hemodialysis] Fieren M, et al. **Ned Tijdschr Geneeskd** 123(8):289–92, 24 Feb 79 (Eng. Abstr.) **(Dut)**

[Diagnosis of renal osteopathy] Schulz W. **Dtsch Med Wochenschr** 103(51):2023–5, 22 Dec 78 **(Ger)**

[Densitometric studies by means of the photon absorption technic in renal osteopathy] Samizadeh A, et al. **Verh Dtsch Ges Inn Med** (84):1113–5, 1978 **(Ger)**

PHYSIOPATHOLOGY

Childhood renal osteodystrophy. Avioli LV. **Kidney Int** 14(4):355–60, Oct 78 (45 ref.)

Current status of the management of renal osteodystrophy. Fournier A, et al. **Proc Eur Dial Transplant Assoc** 15:547–68, 1978 (50 ref.)

RADIOGRAPHY

Abnormalities of bone and soft tissue following renal transplantation. Resnick D. **Semin Roentgenol** 13(4):329–40, Oct 78

[Diagnosis of renal osteopathy] Schulz W. **Dtsch Med Wochenschr** 103(51):2023–5, 22 Dec 78 **(Ger)**

RADIONUCLIDE IMAGING

Bone scintigraphy in renal osteodystrophy. de Graaf P, et al. **J Nucl Med** 19(12):1289–96, Dec 78

[Bone scans in the diagnosis of renal osteopathy] Neyer U, et al. **Minerva Med** 69(58):3951–9, 30 Nov 78 (Eng. Abstr.) **(Ita)**

[Clinical study of renal osteodystrophy in chronic dialysis patients by means of whole body skeletal scintiphotography (author's transl)] Kida T, et al. **Kaku Igaku** 15(7):1005–11, Oct 78 (Eng. Abstr.) **(Jpn)**

THERAPY

Current status of the management of renal osteodystrophy. Fournier A, et al. **Proc Eur Dial Transplant Assoc** 15:547–68, 1978 (50 ref.)

RICKETS

BLOOD

Serum 1,25-dihydroxyvitamin D in bone diseases [letter] **N Engl J Med** 300(8):434–5, 22 Feb 79

Nutritional hypophosphatemic rickets in a premature infant fed breast milk. Rowe JC, et al. **N Engl J Med** 300(6):293–6, 8 Feb 79

CHEMICALLY INDUCED

[Antiepileptic rickets] Pelikán L, et al. **Cesk Pediatr** 33(9):543–4, Sep 78 (Eng. Abstr.) **(Cze)**

[Disturbances of calcium-phosphate-metabolism by anticonvulsant drugs in relation to their serum concentration (author's transl)] Stögmann W. **Paediatr Paedol** 14(1):89–95, 1979 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Functional hypoparathyroidism in infantile hypocalcaemic stage I vitamin D deficiency rickets. Bonnici F. **S Afr Med J** 54(15):611–2, 7 Oct 78

DRUG THERAPY

Risk of nutritional rickets among vegetarian children. Dwyer JT, et al. **Am J Dis Child** 133(2):134–40, Feb 79

Serum 1,25-dihydroxyvitamin D in bone diseases [letter] **N Engl J Med** 300(8):434–5, 22 Feb 79

Nutritional hypophosphatemic rickets in a premature infant fed breast milk. Rowe JC, et al. **N Engl J Med** 300(6):293–6, 8 Feb 79

Rickets as a complication of intravenous hyperalimentation in infants. Binstadt DH, et al. **Pediatr Radiol** 7(4):211–4, 4 Dec 78

[Use of copper and cobalt microdoses in complex treatment of experimental rickets] Galiuk SV. **Patol Fiziol Eksp Ter** (5):72–3, Sep–Oct 78 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Risk of nutritional rickets among vegetarian children. Dwyer JT, et al. **Am J Dis Child** 133(2):134–40, Feb 79

Human choice, vegetable deficiencies, and vegetarian rickets. Finberg L. **Am J Dis Child** 133(2):129, Feb 79

Multiple nutritional deficiencies in infants from a strict vegetarian community. Zmora E, et al. **Am J Dis Child** 133(2):141–4, Feb 79

Nutritional hypophosphatemic rickets in a premature infant fed breast milk. Rowe JC, et al. **N Engl J Med** 300(6):293–6, 8 Feb 79

Rickets as a complication of intravenous hyperalimentation in infants. Binstadt DH, et al. **Pediatr Radiol** 7(4):211–4, 4 Dec 78

[Rickets-like changes in broiler chickens (author's transl)] Voeten AC, et al. **Tijdschr Diergeneeskd** 104(5):215–20, 1 Mar 79 (Eng. Abstr.) **(Dut)**

[Rickets caused by vitamin D deficiency] Adler CP, et al. **Med Welt** 30(4):141–6, 26 Jan 79 **(Ger)**

HISTORY

[The history of rickets] Merlini S. **Minerva Dietol Gastroenterol** 24(2):175–9, Apr–Jun 78 **(Ita)**

METABOLISM

Identification and determination of 25-hydroxyvitamin D3 in the blood and liver of vitamin D-deficient rats irradiated with ultraviolet light. Okano T, et al. **J Nutr Sci Vitaminol (Tokyo)** 24(5):511–8, 1978

[Cellular calcium and cell function. Cytochemical, ultrastructural and X-ray microanalytical studies (author's transl)] Schäfer H. **Veroeff Pathol** (109):1–186, 1979 (318 ref.) (Eng. Abstr.) **(Ger)**

MORTALITY

Patterns and causes of infant mortality in rural Uttar Pradesh. Simmons GB, et al. **J Trop Pediatr** 24(5):207–16, Oct 78

OCCURRENCE

[Occurrence of rickets in Prague] Kouřim J, et al. **Cesk Pediatr** 34(1):42–3, Jan 79 (Eng. Abstr.) **(Cze)**

PATHOLOGY

Childhood renal osteodystrophy. Avioli LV. **Kidney Int** 14(4):355–60, Oct 78 (45 ref.)

[Pseudovitamin D-deficient rachitis in a child with hypoparathyroidism] Omel'chenko LI, et al. **Pediatr Akush Ginekol** (6):28–30, Nov–Dec 78 **(Ukr)**

PHYSIOPATHOLOGY

The study of the influence of DDT on the antirachitic activity of vitamin D in rats. Doboszyńska B, et al. **Pol J Pharmacol Pharm** 30(4):489–91, Jul–Aug 78

RADIOGRAPHY

Risk of nutritional rickets among vegetarian children. Dwyer

JT, et al. **Am J Dis Child** 133(2):134–40, Feb 79

Rickets as a complication of intravenous hyperalimentation in infants. Binstadt DH, et al. **Pediatr Radiol** 7(4):211–4, 4 Dec 78

Abnormalities of bone and soft tissue following renal transplantation. Resnick D. **Semin Roentgenol** 13(4):329–40, Oct 78

TRANSMISSION

[Rickets-like changes in broiler chickens (author's transl)] Voeten AC, et al. **Tijdschr Diergeneeskd** 104(5):215–20, 1 Mar 79 (Eng. Abstr.) **(Dut)**

VETERINARY

[Rickets-like changes in broiler chickens (author's transl)] Voeten AC, et al. **Tijdschr Diergeneeskd** 104(5):215–20, 1 Mar 79 (Eng. Abstr.) **(Dut)**

RICKETS, VITAMIN D RESISTANT

COMPLICATIONS

Management of osteomalacia. Avioli LV. **Hosp Pract** 14(1):109–14, Jan 79

Chemical determinants of enamel hypoplasia in children with disorders of calcium and phosphate homeostasis. Nikiforuk G, et al. **J Dent Res** 58 Spec No B:1014–5, Mar 79

TETANY

COMPLICATIONS

[Functional headache in childhood and adolescence] Mielke U. **Z Aerztl Fortbild (Jena)** 72(24):1179–84, 15 Dec 78 **(Ger)**

DIAGNOSIS

[EDTA test for the diagnosis of relative parathyroid insufficiency in childhood] Albrecht K, et al. **Kinderaerztl Prax** 46(12):658–62, Dec 78 **(Ger)**

[Tetany and hypoparathyroidism] Wittermann ER. **Med Klin** 74(8):247–56, 23 Feb 79 (37 ref.) **(Ger)**

DRUG THERAPY

[Primary hypomagnesemia. Clinical, diagnostic and therapeutic studies in three children (author's transl)] Becker K, et al. **Monatsschr Kinderheilkd** 127(1):37–42, Jan 79 (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Tetany and hypoparathyroidism] Wittermann ER. **Med Klin** 74(8):247–56, 23 Feb 79 (37 ref.) **(Ger)**

[Primary hypomagnesemia. Clinical, diagnostic and therapeutic studies in three children (author's transl)] Becker K, et al. **Monatsschr Kinderheilkd** 127(1):37–42, Jan 79 (Eng. Abstr.) **(Ger)**

THERAPY

[Tetany and hypoparathyroidism] Wittermann ER. **Med Klin** 74(8):247–56, 23 Feb 79 (37 ref.) **(Ger)**

VITAMIN A

ADVERSE EFFECTS

Acne, hypervitaminosis A and hypercalcaemia. A case report. Hofman KJ, et al. **S Afr Med J** 54(14):579–80, 30 Sep 78

METABOLISM

Symposium on vitamin and carrier functions of polyprenoids. Concluding remarks. Olson JA. **World Rev Nutr Diet** 31:232–42, 1978

THERAPEUTIC USE

Gc globulin and prealbumin serum levels in patients with cancer and benign inflammatory diseases and in asymptomatic smokers. Rostenberg I, et al. **JNCI** 62(2):299–300, Feb 79

Acne, hypervitaminosis A and hypercalcaemia. A case report. Hofman KJ, et al. **S Afr Med J** 54(14):579–80, 30 Sep 78

VITAMIN D

ADMINISTRATION & DOSAGE

Role of nutrition in the development of osteomalacia in the elderly. Pittet PG, et al. **Nutr Metab** 23(2):109–16, 1979

[Anticonvulsive treatment and calcium metabolism] Máttyus A, et al. **Psychiatr Neurol Med Psychol (Leipz)** 30(9):533–44, Sep 78 (Eng. Abstr.) **(Ger)**

[Use of copper and cobalt microdoses in complex treatment of experimental rickets] Galiuk SV. **Patol Fiziol Eksp Ter** (5):72–3, Sep-Oct 78 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Concerning vitamins [letter] Erhardt J. **West J Med** 129(6):507–8, Dec 78

[Tubular functional disorders in diseases of the renal parenchyma] Ritz E, et al. **Med Welt** 30(6):220–6, 9 Feb 79 (43 ref.) **(Ger)**

BLOOD

Calcium and phosphorus deficiency in rats: effects on PTH and 1,25-dihydroxyvitamin D3. Rader JI, et al. **Am J Physiol** 236(2):E118–22, Feb 79

A method for studying plasma transport of vitamin D applicable to hypervitaminosis D. Fainaru M, et al. **Clin Chim Acta** 91(3):303–7, 1 Feb 79

The effects of diseases of the liver on serum 25-hydroxyvitamin D and on the serum binding protein for vitamin D and its metabolites. Imawari M, et al. **J Lab Clin Med** 93(1):171–80, Jan 79

Gc globulin and prealbumin serum levels in patients with cancer and benign inflammatory diseases and in asymptomatic smokers. Rostenberg I, et al. **JNCI** 62(2):299–300, Feb 79

[Isoelectric focusing of the serum vitamin D transport protein (DBP) and the polymorphism of Gc protein. Significance in anthropology] Constans J, et al. **C R Acad Sci [D] (Paris)** 287(8):809–12, 9 Oct 78 (Eng. Abstr.) **(Fre)**

METABOLISM

Equine markers genes. Polymorphism for group-specific component (Gc). Weitkamp LR. **Anim Blood Groups Biochem Genet** 9(2):123–6, 1978

Effect of anterior pituitary and related peptide hormones on calcium absorption and the metabolism of vitamin D [proceedings] James MF, et al. **J Endocrinol** 79(2):38P–39P, Nov 78

The effects of diseases of the liver on serum 25-hydroxyvitamin D and on the serum binding protein for vitamin D and its metabolites. Imawari M, et al. **J Lab Clin Med** 93(1):171–80, Jan 79

Bone disease in the elderly. Hosking DJ. **J R Coll Physicians Lond** 13(1):39–42, Jan 79

Vitamin D physiology and some clinical aspects of the vitamin D endocrine system. Favus MJ. **Med Clin North Am** 62(6):1291–317, Nov 78

The metabolism and function of vitamin D. Fraser DR. **World Rev Nutr Diet** 31:168–72, 1978

Symposium on vitamin and carrier functions of polyprenoids. Concluding remarks. Olson JA. **World Rev Nutr Diet** 31:232–42, 1978

[Disorders of calcium and vitamin D metabolism in liver diseases (proceedings)] Kocián J. **Cesk Gastroenterol Vyz** 32(8):514–5, Dec 78 **(Cze)**

[Anticonvulsant-induced osteomalacia. Vitamin D metabolism disorders in epileptics on anticonvulsant therapy] Christiansen C, et al. **Ugeskr Laeger** 141(5):280–4, 29 Jan 79 (Eng. Abstr.) **(Dan)**

PHARMACODYNAMICS

Effects of hormones on osteocyte function and perilacunar wall structure. Baud CA, et al. **Clin Orthop** (136):270–81, Oct 78 (81 ref.)

Intestinal and placental calcium-binding proteins in vitamin D-deprived or -supplemented rats. Marche P, et al. **Life Sci** 23(26):2555–61, 25 Dec 78

PHYSIOLOGY

Vitamin D-dependent intestinal calcium absorption. Zerwekh JE. **Gastroenterology** 76(2):404–11, Feb 79 (79 ref.)
Vitamin D physiology and some clinical aspects of the vitamin D endocrine system. Favus MJ. **Med Clin North Am** 62(6):1291–317, Nov 78
The metabolism and function of vitamin D. Fraser DR. **World Rev Nutr Diet** 31:168–72, 1978

POISONING

A method for studying plasma transport of vitamin D applicable to hypervitaminosis D. Fainaru M, et al. **Clin Chim Acta** 91(3):303–7, 1 Feb 79
Vitamin D physiology and some clinical aspects of the vitamin D endocrine system. Favus MJ. **Med Clin North Am** 62(6):1291–317, Nov 78

THERAPEUTIC USE

Risk of nutritional rickets among vegetarian children. Dwyer JT, et al. **Am J Dis Child** 133(2):134–40, Feb 79
What to do with 'postmenopausal osteoporosis?' [editorial] Avioli LV. **Am J Med** 65(6):881–4, Dec 78
Otosclerosis: vestibular symptoms and sensorineural hearing loss. Cody DT, et al. **Ann Otol Rhinol Laryngol** 87(6 Pt 1):778–96, Nov–Dec 78
Treatment of localized linear scleroderma with phenytoin. Neldner KH. **Cutis** 22(5):569–72, Nov 78
Clinical strategy in osteopenia [editorial] Raisz LG. **Hosp Pract** 13(11):11–2, 21, Nov 78
An inventory of our therapeutic possessions. Coe FL. **Med Clin North Am** 62(6):1147–56, Nov 78
Secondary hyperparathyroidism in chronic renal failure. Pathophysiology and treatment. Hanley DA, et al. **Med Clin North Am** 62(6):1319–39, Nov 78 (115 ref.)
Rickets as a complication of intravenous hyperalimentation in infants. Binstadt DH, et al. **Pediatr Radiol** 7(4):211–4, 4 Dec 78
Current status of the management of renal osteodystrophy. Fournier A, et al. **Proc Eur Dial Transplant Assoc** 15:547–68, 1978 (50 ref.)
Does long term haemofiltration provoke secondary hyperparathyroidism? Schneider H, et al. **Proc Eur Dial Transplant Assoc** 15:532–9, 1978
[Vitamin D--new therapeutic aspects (editorial)] Madsen S. **Ugeskr Laeger** 141(5):315–6, 29 Jan 79 **(Dan)**
[Hyperparathyroidism] Pape K. **Stomatol DDR** 28(9):661–71, Sep 78 (Eng. Abstr.) **(Ger)**
[The current state of cutaneous tuberculosis] Hentschel U, et al. **Z Gesamte Inn Med** 33(19):726–31, 1 Oct 78 (Eng. Abstr.) **(Ger)**

VITAMIN D DEFICIENCY

COMPLICATIONS

Work-induced muscle hypertrophy in vitamin D-deficient rats. Bikle DD, et al. **Am J Clin Nutr** 32(3):515–6, Mar 79
Risk of nutritional rickets among vegetarian children. Dwyer JT, et al. **Am J Dis Child** 133(2):134–40, Feb 79
Osteomalacia and celiac disease: response to 25-hydroxyvitamin D. Hepner GW, et al. **Am J Med** 65(6):1015–20, Dec 78
Management of osteomalacia. Avioli LV. **Hosp Pract** 14(1):109–14, Jan 79
Role of nutrition in the development of osteomalacia in the elderly. Pittet PG, et al. **Nutr Metab** 23(2):109–16, 1979
[Rickets caused by vitamin D deficiency] Adler CP, et al. **Med Welt** 30(4):141–6, 26 Jan 79 **(Ger)**

DIET THERAPY

Hyperphosphatemia and hypocalcemia in lemurs. Tomson FN, et al. **J Am Vet Med Assoc** 173(9):1103–6, 1 Nov 78

DRUG THERAPY

Effects of vitamin D on the change of cyclic nucleotides and deoxyribonucleic acid contents in rat calvaria. Kakuta S, et al. **J Nutr Sci Vitaminol (Tokyo)** 24(5):519–26, 1978

ETIOLOGY

Risk of nutritional rickets among vegetarian children. Dwyer JT, et al. **Am J Dis Child** 133(2):134–40, Feb 79
[Disorders of calcium and vitamin D metabolism in liver diseases (proceedings)] Kocián J. **Cesk Gastroenterol Vyz** 32(8):514–5, Dec 78 **(Cze)**

METABOLISM

Metabolism of 25-hydroxyvitamin D3 in kidney homogenates of chicks supplemented with vitamin D3. Takasaki Y, et al. **Biochem Biophys Res Commun** 85(2):601–7, 29 Nov 78
Stimulation of intestinal calcium-binding-protein mRNA synthesis in the nucleus of vitamin D-deficient chicks by 1,25-dihydroxycholecalciferol. Spencer R, et al. **Biochem J** 175(3):1089–94, 1 Dec 78
The action of vitamin D metabolites (25 OHD3--12,5 (OH)2D3--24.25 (OH)2D3--25.26 (OH)2D3) on vitamin D deficient rats. Queille ML, et al. **Biomedicine** 28(4):237–42, Jul–Aug 78
The biological activity of 26-hydroxy-derivatives of cholecalciferol in vitamin D-deficient rats. Redel J, et al. **FEBS Lett** 96(1):216–8, 1 Dec 78
Effects of vitamin D on the change of cyclic nucleotides and deoxyribonucleic acid contents in rat calvaria. Kakuta S, et al. **J Nutr Sci Vitaminol (Tokyo)** 24(5):519–26, 1978
Identification and determination of 25-hydroxyvitamin D3 in the blood and liver of vitamin D-deficient rats irradiated with ultraviolet light. Okano T, et al. **J Nutr Sci Vitaminol (Tokyo)** 24(5):511–8, 1978
Intestinal and placental calcium-binding proteins in vitamin D-deprived or -supplemented rats. Marche P, et al. **Life Sci** 23(26):2555–61, 25 Dec 78

PATHOLOGY

Work-induced muscle hypertrophy in vitamin D-deficient rats. Bikle DD, et al. **Am J Clin Nutr** 32(3):515–6, Mar 79
The action of vitamin D metabolites (25 OHD3--12,5 (OH)2D3--24.25 (OH)2D3--25.26 (OH)2D3) on vitamin D deficient rats. Queille ML, et al. **Biomedicine** 28(4):237–42, Jul–Aug 78
[Pseudovitamin D-deficient rachitis in a child with hypoparathyroidism] Omel'chenko LI, et al. **Pediatr Akush Ginekol** (6):28–30, Nov–Dec 78 **(Ukr)**

PHYSIOPATHOLOGY

The action of vitamin D metabolites (25 OHD3--12,5 (OH)2D3--24.25 (OH)2D3--25.26 (OH)2D3) on vitamin D deficient rats. Queille ML, et al. **Biomedicine** 28(4):237–42, Jul–Aug 78

VETERINARY

Hyperphosphatemia and hypocalcemia in lemurs. Tomson FN, et al. **J Am Vet Med Assoc** 173(9):1103–6, 1 Nov 78

NEUROENDOCRINOLOGY

I. *Physical and Functional Aspects*

AMYGDALOID BODY

Diazepam pretreatment reduces distant hippocampal damage induced by intra-amygdaloid injections of kainic acid. Ben-Ari Y, et al. **Eur J Pharmacol** 52(3–4):419–20, 1 Dec 78

ANATOMY & HISTOLOGY

Distribution of the anterior commissure to the amygdaloid complex in the monkey. Turner BH, et al. **Brain Res** 162(2):331–7, 23 Feb 79

The anatomical organization of septo-hippocampal projections. Swanson LW. **Ciba Found Symp** (58):25–48, 1977

An autoradiographic study of the efferent connections of the ventromedial nucleus of the hypothalamus. Krieger MS, et al. **J Comp Neurol** 183(4):785–815, 15 Feb 79

Two-stage amygdaloid lesions and hypothalamic rage: a method useful for detecting functional localization. Maeda H, et al. **Physiol Behav** 21(4):529–30, Oct 78

DRUG EFFECTS

Neostigmine activated epileptiform discharge in the amygdala: electrographic-behavioral correlations. Girgis M. **Epilepsia** 19(5):521–30, Oct 78

Neuronal responses to ketamine administered microiontophoretically or intraperitoneally in the rat. Sinclair JG, et al. **Gen Pharmacol** 10(1):51–5, 1979

Physiological and pharmacological dissection of the main factors in the acquisition and retention of shuttle behaviour. pp. 227–48. Izquierdo I, et al.
In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978. (53 ref.)

Effects of posttraining injection of cholinergic agonists and antagonists into the amygdala on retention of passive avoidance training in rats. Todd JW, et al.
J Comp Physiol Psychol 92(5):958–68, Oct 78

Further studies on the site of action of diazepam: anticonvulsant effect in the rabbit. Nagy J, et al.
Neuropharmacology 18(1):39–45, Jan 79

METABOLISM

Androgen receptor in the rat brain--assays and properties. Chamness GC, et al. **Brain Res** 161(2):267–76, 2 Feb 79

PATHOLOGY

[Epileptogenic action of intra-amygdaloid injection of kainic acid] Ben-Ari Y, et al. **C R Acad Sci [D] (Paris)** 287(8):813–6, 9 Oct 78 (Eng. Abstr.) **(Fre)**

[Involution process of the Ammonal cortex and amygdaloid complex in chronic alcoholism] Tarnowska-Dziduszko E. **Neuropatol Pol** 16(4):587–97, Oct-Dec 78 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Effects of lesions in the amygdaloid nucleus centralis on acquisition and retention of avoidance reflexes in cats. Werka T, et al. **Acta Neurobiol Exp (Warsz)** 38(5):247–69, 1978

Cerebellar stimulation: effects on septal region, hippocampus, and amygdala of cats and rats. Heath RG, et al.
Biol Psychiatry 13(5):501–29, Oct 78

Agonistic behavior elicited by electrical stimulation of the brain in western collared lizards, Crotaphytus collaris. Sugerman RA, et al. **Brain Behav Evol** 15(5–6):446–69, 1978

Physiological and pharmacological dissection of the main factors in the acquisition and retention of shuttle behaviour. pp. 227–48. Izquierdo I, et al.
In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978. (53 ref.)

Effects of posttraining injection of cholinergic agonists and antagonists into the amygdala on retention of passive avoidance training in rats. Todd JW, et al.
J Comp Physiol Psychol 92(5):958–68, Oct 78

Further studies on the site of action of diazepam: anticonvulsant effect in the rabbit. Nagy J, et al.
Neuropharmacology 18(1):39–45, Jan 79

Two-stage amygdaloid lesions and hypothalamic rage: a method useful for detecting functional localization. Maeda H, et al. **Physiol Behav** 21(4):529–30, Oct 78

Autoshaping in the rat with electrical stimulation of the brain as the US. Wilkie DM, et al. **Physiol Behav** 21(3):325–8, Sep 78

Effect of bilateral hippocampal lesions on cue utilization in the rat. Plunkett RP. **Psychol Rep** 43(3 Pt 1):863–6, Dec 78

Model for Korsakoff-type amnesias: negative effects from the amygdala and mamillary body. Poschel BP, et al.
Psychol Rep 43(3 Pt 1):767–70, Dec 78

[Cocaine-induced reverse tolerance phenomenon and electrical kindling (author's transl)] Sato M, et al.
No To Shinkei 30(12):1309–17, Dec 78 (Eng. Abstr.)**(Jpn)**

[Changes of the regional blood flow and oxygen tension in the rabbit brain under the effect of ethyl alcohol] Looga RIu, et al. **Patol Fiziol Eksp Ter** (5):70–1, Sep-Oct 78 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Neostigmine activated epileptiform discharge in the amygdala: electrographic-behavioral correlations. Girgis M.
Epilepsia 19(5):521–30, Oct 78

Effect of experimentally induced generalized seizures on the wakefulness--sleep cycle. Koridze MG, et al.
Neurosci Behav Physiol 8(4):311–6, Oct-Dec 77

SURGERY

Chronic depth electrodes study of one case of bitemporal epilepsy due to glial tumour. Some physiopathological considerations. Marossero F, et al.
Acta Neurochir (Wien) 45(1–2):123–31, 1978

HYPOTHALAMO-HYPOPHYSEAL SYSTEM

Combined hypothalamic hypothyroidism and secondary adrenal insufficiency. Misdiagnosed as primary hypothyroidism. Farese RV, et al. **Arch Intern Med** 139(1):99–100, Jan 79

ANALYSIS

[Histofluorometric study of catecholamines of the external layer of median eminence in the rabbit (author's transl)] Bensch C, et al. **Ann Endocrinol (Paris)** 39(4):281–302, Jul-Aug 78 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Neuroendocrinology of the menstrual cycle in humans. Shaw RW. **Clin Endocrinol Metab** 7(3):531–59, Nov 78

BLOOD SUPPLY

[Changes in the hypothalamo-hyophyseal neurosceretory system of mammals following pituitary stalk transection and hypophysectomy] Ugriumov MV. **Arkh Anat Gistol Embriol** 75(12):73–84, Dec 78 (81 ref.) (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effect of naloxone or levallorphan on serum prolactin concentrations and apomorphine-induced growth hormone secretion. Lal S, et al. **Acta Psychiatr Scand** 59(2):173–9, Feb 79

Pituitary adrenocortical response to stress during the first day of post-natal life in the rat. Corbier P, et al. **Biol Neonate** 34(3–4):105–11, 1978

Differential effects of colchicine on transport in the oxytocin- and vasopressin-containing neurones of the hypothalamo-neurohypophysial system in the rat [proceedings] Parish DC, et al. **J Endocrinol** 79(2):24P–25P, Nov 78

Effects of ethanol on the hypothalamic-pituitary-luteinizing hormone axis and testicular steroidogenesis. Cicero TJ, et al. **J Pharmacol Exp Ther** 208(2):210–5, Feb 79

The physiological action of progesterone and the pharmacological effects of progestogens--a short review. Neumann F. **Postgrad Med J** 54(2):11–24, 1978 (28 ref.)

[Effect of therapy using combined thyroid hormone preparations on the hypothalamo-hypophyseal control system in children with thyroid-gland diseases] Hesse V, et al. **Cesk Pediatr** 33(11):664–6, Nov 78 (Eng. Abstr.) **(Cze)**

[Histofunctional aspects of the rat adrenals following administration of ethinyl estradiol (histological study)] Breda M, et al. **Boll Soc Ital Biol Sper** 54(1):105–10, 15 Jan 78 **(Ita)**

[Ultrastructure of the hypothalamo-hypophyseal system in rat treated with morphine during his development] Gajkowska B, et al. **Neuropatol Pol** 16(4):461–71, Oct-Dec 78 (Eng. Abstr.) **(Pol)**

EMBRYOLOGY

The development of fetal hypothalamic-pituitary gonadal adrenal function. Jenkin G, et al. **Contrib Gynecol Obstet** 5:58–90, 1979 (158 ref.)

METABOLISM

Electron microscopic study of the orthograde axonal transport of horseradish peroxidase in the supraoptico-neurohypophysial tract of the rat. Alonso G, et al. **Cell Tissue Res** 194(3):525–31, 12 Dec 78

Ultrastructural localization of radiolabelled L-dopa in the endocrine hypothalamus of the rat. Scott DE, et al. **Cell Tissue Res** 195(1):29–43, 14 Dec 78

Differential effects of colchicine on transport in the oxytocin- and vasopressin-containing neurones of the hypothalamo-neurohypophysial system in the rat [proceedings] Parish DC, et al. **J Endocrinol** 79(2):24P–25P, Nov 78

Evolution of vasopressin levels in the hypothalamo-posthypophysial system of the rat during rehydration following water deprivation. Correlation with ultrastructural aspects in the posterior lobe. Rougon-Rapuzzi G, et al. **Neuroendocrinology** 27(1–2):46–62, 1978

[Effect of photoperiodic conditions on the hypothalamo-hypophyseal neurosecretory and sexual system of the mink Mustela vison] Iurisova MN, et al. **Zh Evol Biokhim Fiziol** 14(6):559–65, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Circadian organization and female reproductive cyclicity. Stetson MH. **Adv Exp Med Biol** 108:251–74, 1978

The effect of unilateral castration on plasma and testicular testosterone in rabbits from birth to 60 days. Berger M, et al. **Arch Int Physiol Biochim** 86(4):799–808, Oct 78

Neuroendocrinology of the menstrual cycle in humans. Shaw RW. **Clin Endocrinol Metab** 7(3):531–59, Nov 78

Physiologic correlates of puberty. Nelson RM. **Clin Obstet Gynecol** 21(4):1137–49, Dec 78

The development of fetal hypothalamic-pituitary gonadal adrenal function. Jenkin G, et al. **Contrib Gynecol Obstet** 5:58–90, 1979 (158 ref.)

The neurosecretory neurone: a model system for the study of secretion. Pickering BT. **Essays Biochem** 14:45–81, 1978 (143 ref.)

The brain as an endocrine organ. Guillemin R. **Neurosci Res Program Bull** 16 Suppl:1–25, Aug 78 (58 ref.)

Delayed puberty after immunological blockade of endogenous LH-RH in female rats. Bercu BB, et al. **Proc Soc Exp Biol Med** 160(1):123–5, Jan 79

[Interrelationship between the pineal gland and the hypothalamo-hypophyseal complex. IV. Effect of pinealectomy on the luteinizing function of the rat pituitary] Krivosheev OG, et al. **Probl Endokrinol (Mosk)** 25(1):47–52, Jan-Feb 79 (Eng. Abstr.) **(Rus)**

[Clinical value of the TRH stimulation test] Diez Jiménez L, et al. **Rev Clin Esp** 151(6):479–81, 31 Dec 78 **(Spa)**

[Somatotropin hormone levels and growth changes in patients with ataxia-telangectasia] Rubio Pérez P, et al. **Rev Clin Esp** 151(3):207–9, 15 Nov 78 (Eng. Abstr.)**(Spa)**

[Hypophyso-gonadal function in infancy. From newborn to puberty (author's transl)] Ruiz E, et al. **Rev Esp Fisiol** 34(4):407–10, Dec 78 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Hypothalmic-pituitary-adrenal function of untreated longterm survivors following subtotal adrenalectomy for Cushing's disease. Kennedy AL, et al. **Ir J Med Sci** 147(12):420–4, Dec 78

Radioimmunoassay (RIA) and other saturation assay techniques in clinical medicine. Hazra DK, et al. **J Assoc Physicians India** 26(2):95–101, Feb 78

Altered hypothalamic-pituitary function in uraemic patients [proceedings] Cowden EA, et al. **J Endocrinol** 79(2):48P–49P, Nov 78

Adolescent secondary amenorrhea: association with hypothalamic hypothyroidism. Kramer MS, et al. **J Pediatr** 94(2):300–3, Feb 79

Psychoendocrinology. de la Fuente JR, et al. **Mayo Clin Proc** 54(2):109–18, Feb 79 (95 ref.)

Endocrine abnormalities associated with chronic renal failure. Lim VS, et al. **Med Clin North Am** 62(6):1341–61, Nov 78 (75 ref.)

Hydrocephalus and amenorrhea. Jawadi MH, et al. **Obstet Gynecol** 53(2):263–6, Feb 79

Pituitary response to TRH and LHRH in spontaneously hypertensive rats. Sowers JR, et al. **Proc Soc Exp Biol Med** 159(3):397–9, Dec 78

[Dynamic study of the hypothalomo-hypophyseal-gonadal axis in patients with Klinefelter's syndrome] Maleeva A. **Vutr Boles** 17(6):56–62, 1978 (Eng. Abstr.) **(Bul)**

[Genetic basis of the familial form of hypothalamo-hypophyseal dwarfism in children] Rybak M, et al. **Cesk Pediatr** 33(10):594–7, Oct 78 (Eng. Abstr.) **(Cze)**

[Study of the hypothalamo-pituitary adrenal function in 16 patients after surgery for pituitary tumor (author's transl)] Laurent MF, et al. **Ann Endocrinol (Paris)** 39(4):267–79, Jul-Aug 78 (Eng. Abstr.) **(Fre)**

[Results of ACTH, vasopressin and insulin tolerance tests in obese subjects] Eisner M, et al. **Ann Acad Med Stetin** 24:413–23, 1978 (Eng. Abstr.) **(Pol)**

[Pathogenesis and etiology of primary glaucoma] Gierkowa A. **Klin Oczna** 48(12):633–8, Dec 78 **(Pol)**

[Electron-microscopic picture of the neurosecretory system of rats during osmotic disorders] Loesch A, et al. **Neuropatol Pol** 16(4):473–86, Oct-Dec 78 (Eng. Abstr.) **(Pol)**

[Significance of the chronic hypoxia and neurohormonal activity in the pathogenesis of ischemic heart disease] Danilova KM, et al. **Arkh Patol** 40(12):44–51, 1978 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Hypopituitarism as a delayed result of irradiation of the facial skin. Boers GH, et al. **Neth J Med** 21(6):252–6, 1978

ULTRASTRUCTURE

Ultrastructural localization of radiolabelled L-dopa in the endocrine hypothalamus of the rat. Scott DE, et al. **Cell Tissue Res** 195(1):29–43, 14 Dec 78

[Ultrastructure of the hypothalamo-hypophyseal system in rat treated with morphine during his development] Gajkowska B, et al. **Neuropatol Pol** 16(4):461–71, Oct-Dec 78 (Eng. Abstr.) **(Pol)**

[Electron-microscopic picture of the neurosecretory system

of rats during osmotic disorders] Loesch A, et al. **Neuropatol Pol** 16(4):473–86, Oct–Dec 78 (Eng. Abstr.) **(Pol)**

HYPOTHALAMUS

Effects of noradrenaline and carbachol on temperature regulation of rats. Poole S, et al. **Br J Pharmacol** 65(1):43–51, Jan 79

Inappropriate antidiuretic hormone secretion associated with neurohypophyseal choristoma. Haslett C, et al. **Br Med J** 2(6154):1753, 23–30 Dec 78

Analysis of feeding suppression produced by perifornical hypothalamic injection of catecholamines, amphetamines and mazindol. Leibowitz SF, et al. **Eur J Pharmacol** 53(1):69–81, 15 Dec 78

Isolated histiocytosis X of the hypothalamus. Case report. Tibbs PA, et al. **J Neurosurg** 49(6):929–34, Dec 78

Endocrine evaluation of the infertile male. Snyder PJ. **Urol Clin North Am** 5(3):451–62, Oct 78

[Precocious puberty due to hypothalamic hamartoma] Sallum J, et al. **AMB** 23(3):93–6, May 77 (Eng. Abstr.) **(Por)**

[Daily variations in the secretion of several hormones in obesity] Epshtein EV. **Probl Endokrinol (Mosk)** 25(1):15–9, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

ANALYSIS

Sequence complexity of polyadenylated RNA obtained from rat brain regions and cultured rat cells of neural origin. Kaplan BB, et al. **Biochemistry** 17(25):5516–24, 12 Dec 78

5-HT concentration in cat's brain. Gaudin-Chazal G, et al. **Brain Res** 160(2):281–93, 12 Jan 79

Immunocytochemical demonstration of somatostatin-containing neurons in the hypothalamus of the domestic mallard. Blähser S, et al. **Cell Tissue Res** 195(1):183–7, 14 Dec 78

Light- and electron microscopic localization of vasopressin or a vasopressin-like substance in the neurons of the rat suprachiasmatic nucleus. Krisch B. **Cell Tissue Res** 194(2):361–5, 20 Nov 78

Immunological and biochemical characterization of distinct high molecular weight forms of neurophysin and somatostatin in mouse hypothalamus extracts. Lauber M, et al. **FEBS Lett** 97(2):343–7, 15 Jan 79

Role of monoamines in mediating the action of hormones on learning and memory. pp. 249–68. Telegdy G, et al. **In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978.**

A high-molecular-weight substance in the supraoptic region of the rat hypothalamus which cross-reacts with a specific antiserum against arginine-vasopressin [proceedings] Moore GJ, et al. **J Endocrinol** 79(2):23P–24P, Nov 78

Bombesin-like peptide in hypothalamus: chemical and immunological characterization. Villarreal JA, et al. **Life Sci** 23(27–28):2729–33, 31 Dec 78

Serotonin in hypothalamic nuclei: increased content after castration of male rats. van de Kar L, et al. **Neuroendocrinology** 27(3–4):186–92, 1978

Effect of clomiphene on the restoration of ovulation in androgen-sterile rats. Baranov VG, et al. **Neurosci Behav Physiol** 8(4):271–4, Oct–Dec 77

The brain as an endocrine organ. Guillemin R. **Neurosci Res Program Bull** 16 Suppl:1–25, Aug 78 (58 ref.)

Observations on the function of the dopaminergic nerves innervating the pituitary gland. Holzbauer M, et al. **Neuroscience** 3(12):1251–62, 1978

beta-Carbolines in rat arcuate nucleus. Shoemaker DW, et al. **Neuroscience** 3(2):233–9, 1978

ANATOMY & HISTOLOGY

Ascending brain stem pathways to the diencephalon and limbic regions: a light and electron microscopic study in the rat. Záborszky L, et al. **Acta Morphol Acad Sci Hung** 26(1):49–71, 1978

Efferent connections of the septal area in the pigeon. Krayniak PF, et al. **Brain Behav Evol** 15(5–6):389–404, 1978

Efferent connections of the septal area in the pigeon. Krayniak PF, et al. **Brain Behav Evol** 15(5–6):389–404, 1978

Efferent connections of the hippocampus and adjacent regions in the pigeon. Krayniak PF, et al. **Brain Behav Evol** 15(5–6):372–88, 1978

Afferent and efferent connections of the parabigeminal nucleus in cat revealed by retrograde axonal transport of horseradish peroxidase. Baleydier C, et al. **Brain Res** 161(2):187–98, 2 Feb 79

Immunocytochemical localization of dopamine-beta-hydroxylase in rat locus coeruleus and hypothalamus. Cimarusti DL, et al. **Brain Res** 162(1):55–67, 16 Feb 79

Afferent and efferent subcortical projections of behaviorally defined sectors of prefrontal granular cortex. Jacobson S, et al. **Brain Res** 159(2):279–96, 29 Dec 78

A potent inhibitory monosynaptic hypothalamo-hippocampal connection. Segal M. **Brain Res** 162(1):137–41, 16 Feb 79

Differential serotonergic innervation of individual hypothalamic nuclei and other forebrain regions by the dorsal and median midbrain raphe nuclei. van de Kar LD, et al. **Brain Res** 162(1):45–54, 16 Feb 79

A fine-grained anatomical analysis of the role of the rat suprachiasmatic nucleus in circadian rhythms of feeding and drinking. Van den Pol AN, et al. **Brain Res** 160(2):307–26, 12 Jan 79

The anatomical organization of septo-hippocampal projections. Swanson LW. **Ciba Found Symp** (58):25–48, 1977

Morphological features of physiologically identified hypothalamic neurons as revealed by intracellular marking. Kelly MJ, et al. **Exp Brain Res** 34(1):107–16, 2 Jan 79

Sexual differentiation of the brain. Gorski RA. **Hosp Pract** 13(10):55–62, Oct 78

An autoradiographic examination of corticocortical and subcortical projections of the mediodorsal-projection (prefrontal) cortex in the rat. Beckstead RM. **J Comp Neurol** 184(1):43–62, 1 Mar 79

Retinofugal projections of nonecholocating (Pteropus giganteus) and echolocating (Myotis lucifugus) bats. Cotter JR, et al. **J Comp Neurol** 184(2):381–99, 15 Mar 79

An autoradiographic study of the efferent connections of the ventromedial nucleus of the hypothalamus. Krieger MS, et al. **J Comp Neurol** 183(4):785–815, 15 Feb 79

The organization of feline entopenduncular nucleus projections: anatomical studies. Larsen KD, et al. **J Comp Neurol** 184(2):293–308, 15 Mar 79

An autoradiographic study of the efferent connections of the lateral hypothalamic area in the rat. Saper CB, et al. **J Comp Neurol** 183(4):689–706, 15 Feb 79

Some efferent connections of the rostral hypothalamus in the squirrel monkey (Saimiri sciureus) and cat. Saper CB, et al. **J Comp Neurol** 184(2):205–41, 15 Mar 79

Projections from the nucleus of the solitary tract in the rat. Norgren R. **Neuroscience** 3(2):207–18, 1978

Effects of various periods of food deprivation on serotonin turnover in the lateral hypothalamus. Kantak KM, et al. **Pharmacol Biochem Behav** 9(4):529–34, Oct 78

Effects of various periods of food deprivation on serotonin synthesis in the lateral hypothalamus. Kantak KM, et al. **Pharmacol Biochem Behav** 9(4):535–41, Oct 78

Effect of imipramine on serotonin turnover in the lateral hypothalamus. Kantak KM, et al. **Pharmacol Biochem Behav** 9(5):693–6, Nov 78

Effects of catecholamine manipulations on three different self-stimulation behaviors. White N, et al. **Pharmacol Biochem Behav** 9(5):603–8, Nov 78

Two-stage amygdaloid lesions and hypothalamic rage: a method useful for detecting functional localization. Maeda H, et al. **Physiol Behav** 21(4):529–30, Oct 78

Saliva hypersecretion during aphagia following lateral hypothalamic lesions. Schallert T, et al. **Physiol Behav** 21(3):461–3, Sep 78

BLOOD SUPPLY

Blood supply of the rat hypothalamus. V. The medial hypothalamus (nucleus ventromedialis, nucleus dorsomedialis, nucleus periformicalis). Ambach G, et al. **Acta Morphol Acad Sci Hung** 25(4):259–78, 1977

The arterial and venous blood supply of the preoptic region in the rat. Ambach G, et al. **Acta Morphol Acad Sci Hung** 26(1):21–41, 1978

CYTOLOGY

Ascending brain stem pathways to the diencephalon and limbic regions: a light and electron microscopic study in the rat. Záborszky L, et al. **Acta Morphol Acad Sci Hung** 26(1):49–71, 1978

Developmental correlation between hypothalamic gonadotropin-releasing hormone and hypophysial luteinizing hormone. Gross DS, et al. **Am J Anat** 154(1):1–10, Jan 79

Histological observations on some of the endocrine glands in the ironfish, with special regard to the hypophysis. Chiba A, et al. **Arch Histol Jpn** 41(1):53–64, Feb 78

In vivo and in vitro studies on the appearance of LHRH neurons in the hypothalamus of perinatal rats. Daikoku S,

et al. **Cell Tissue Res** 194(3):433–45, 12 Dec 78

Changed activity in the hypothalamic neurosecretory centres and the pituitary gland of mice in the course of tetanus toxoid immunization. Srebro Z, et al. **Folia Biol (Krakow)** 26(4):257–62, 1978

The microtap in neuroendocrinology [proceedings] Comis SD, et al. **J Physiol (Lond)** 284:2P–3P, Nov 78

'Electrochemical stimulation' of the hypothalamus--a demonstration that this technique does not cause the direct excitation of peptidergic neurones [proceedings] Dyer RG. **J Physiol (Lond)** 284:1P–2P, Nov 78

[Melatonin and gonadoliberin (LH-RH) cells in rat hypothalamus] Léonardelli J, et al. **C R Soc Biol (Paris)** 172(3):481–4, 1978 (Eng. Abstr.) **(Fre)**

[Incorporation of 3H-estradiol into elements of the tanycytic and ciliated ependyma of the 3d cerebral ventricle in experiments in vitro] Egorova IF. **Probl Endokrinol (Mosk)** 25(1):57–62, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

[Interrelationships of the neurosecretory cells and capillaries in the preoptic nucleus of the carp] Senchik IuI, et al. **Tsitologiia** 20(11):1256–63, Nov 78 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

In vitro inhibition of rat hypothalamus histidine decarboxylase by a specific inhibitor--4-imidazolyl-3-amino-2-butanone (McN-A-1293). Bielkiewicz B, et al. **Biochem Pharmacol** 27(24):2977–8, 1978

Histamine-induced release of thyrotropin releasing hormone from hypothalamic slices. Charli JL, et al. **Eur J Pharmacol** 52(3–4):401–3, 1 Dec 78

Hypothalamic lesion induced by injection of monosodium glutamate in suckling period and subsequent development of obesity. Tanaka K, et al. **Exp Neurol** 62(1):191–9, Oct 78

Changed activity in the hypothalamic neurosecretory centres and the pituitary gland of mice in the course of tetanus toxoid immunization. Srebro Z, et al. **Folia Biol (Krakow)** 26(4):257–62, 1978

Role of monoamines in mediating the action of hormones on learning and memory. pp. 249–68. Telegdy G, et al. **In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978.**

Effect of substance P, neurotensin and the enkephalins on somatostatin release from the rat hypothalamus in vitro. Sheppard MC, et al. **J Neurochem** 32(2):647–9, Feb 79

Tyrosine hydroxylase activity in noradrenergic neurons of the locus coeruleus after reserpine administration: sequential increase in cell bodies and nerve terminals. Zigmond RE. **J Neurochem** 32(1):23–9, Jan 79

Estradiol potentiation of hypothalamic uptake of LH-RH from the CSF. Recabarren SE, et al. **Neuroendocrinology** 27(1–2):1–8, 1978

Effect of imipramine on serotonin turnover in the lateral hypothalamus. Kantak KM, et al. **Pharmacol Biochem Behav** 9(5):693–6, Nov 78

[Melatonin and gonadoliberin (LH-RH) cells in rat hypothalamus] Léonardelli J, et al. **C R Soc Biol (Paris)** 172(3):481–4, 1978 (Eng. Abstr.) **(Fre)**

[Early and late inhibition of lactation using bromocriptine. A comparative study (author's transl)] Chef R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(5):1003–12, May–Jun 78 (Eng. Abstr.) **(Fre)**

[Comments on paper: 'Hypothalamic control hormones and their clinical significance' by L. Weisbecker (Wien. med. Wschr. 128, 1978:284)] Goischke HK, et al. **Wien Med Wochenschr** 128(24):766, 30 Dec 78 **(Ger)**

[Effect of corazole in intensifying changes in the electrical activity of the brain in a constant magnetic field] Smirnova NP. **Biull Eksp Biol Med** 87(1):21–4, Jan 79 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Developmental correlation between hypothalamic gonadotropin-releasing hormone and hypophysial luteinizing hormone. Gross DS, et al. **Am J Anat** 154(1):1–10, Jan 79

In vivo and in vitro studies on the appearance of LHRH neurons in the hypothalamus of perinatal rats. Daikoku S, et al. **Cell Tissue Res** 194(3):433–45, 12 Dec 78

Pituitary and placental gonadotrophins and sex steroids in the human and sub-human primate fetus. Kaplan SL, et al. **Clin Endocrinol Metab** 7(3):487–511, Nov 78 (114 ref.)

Development of the diencephalon in the rat. II. Correlation of the embryonic development of the hypothalamus with the time of origin of its neurons. Altman J, et al. **J Comp Neurol** 182(4 Pt 2):973–93, 15 Dec 78

Development of the diencephalon in the rat. I. Autoradiographic study of the time of origin and settling patterns of neurons of the hypothalamus. Altman J, et al. **J Comp Neurol** 182(4 Pt 2):945–71, 15 Dec 78

[Embryonal development of the brain of the shark Scyliorhinus canicula (L.). I. Formation of the shape of the brain, the migration mode and phase and the structure of the diencephalon] Farner HP. **J Hirnforsch** 19(4):313–32, 1978 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

The influence of food deprivation, exposure to cold and immobilization on monoamine oxidase activity in some hypothalamic nuclei of the rat brain. Białowąs J, et al. **Acta Neurobiol Exp (Warsz)** 38(5):283–8, 1978

In vitro inhibition of rat hypothalamus histidine decarboxylase by a specific inhibitor--4-imidazolyl-3-amino-2-butanone (McN-A-1293). Bielkiewicz B, et al. **Biochem Pharmacol** 27(24):2977–8, 1978

Immunocytochemical localization of dopamine-beta-hydroxylase in rat locus coeruleus and hypothalamus. Cimarusti DL, et al. **Brain Res** 162(1):55–67, 16 Feb 79

Phenylethanolamine-N-methyltransferase and dopamine-beta-hydroxylase alterations in young spontaneously hypertensive rats. Denoroy L, et al. **Brain Res** 162(1):184–7, 16 Feb 79

Alterations in the buoyant density of noradrenergic and dopaminergic synaptosomes following neurotransmitter accumulation. Fix JA, et al. **Brain Res** 159(2):402–5, 29 Dec 78

Breakdown of hypothalamic peptides by hypothalamic neutral endopeptidase. Akopyan TN, et al. **J Neurochem** 32(2):629–31, Feb 79

High proportions of type B monoamine oxidase in the discrete circumventricular regions of the rat. Kim JS, et al. **J Neurochem** 32(1):253–6, Jan 79

In vitro studies on the interaction of brain monoamine oxidase with 5,6- and 5,7-dihydroxytryptamine. Klemm HP, et al. **J Neurochem** 32(1):111–9, Jan 79

Tyrosine hydroxylase activity in noradrenergic neurons of the locus coeruleus after reserpine administration: sequential increase in cell bodies and nerve terminals. Zigmond RE. **J Neurochem** 32(1):23–9, Jan 79

Comparative study of the dopamine-sensitive adenylate cyclase in the striatum and hypothalamus of rat brain. Roufogalis BD, et al. **J Pharm Pharmacol** 31(1):33–8, Jan 79

[Effect of hydration and dehydration of the bodies of animals on bioenergetic and mediator processes in the neurosecretory cells of the anterior hypothalamus] Mikhaĭlik TA. **Biull Eksp Biol Med** 86(12):734–7, Dec 78 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

The metabolism of high-molecular-weight ribonucleic acid in hypothalamic and cortical regions of the developing female rat brain. Hall C, et al. **Biochem J** 176(2):511–21, 15 Nov 78

Development of the diencephalon in the rat. I. Autoradiographic study of the time of origin and settling patterns of neurons of the hypothalamus. Altman J, et al. **J Comp Neurol** 182(4 Pt 2):945–71, 15 Dec 78

Development of the diencephalon in the rat. III. Ontogeny of the specialized ventricular linings of the hypothalamic third ventricle. Altman J, et al. **J Comp Neurol** 182(4 Pt 2):995–1015, 15 Dec 78

Neonatal suprachiasmatic nucleus ablation: absence of functional and morphological plasticity. Mosko S, et al. **Proc Natl Acad Sci USA** 75(12):6243–6, Dec 78

IMMUNOLOGY

Hypothalamic and extrahypothalamic distribution of somatostatin-immunoreactive elements in the rat brain. Krisch B. **Cell Tissue Res** 195(3):499–513, 29 Dec 78

Changed activity in the hypothalamic neurosecretory centres and the pituitary gland of mice in the course of tetanus toxoid immunization. Srebro Z, et al. **Folia Biol (Krakow)** 26(4):257–62, 1978

METABOLISM

The ADH-reserve capacity in Brattleboro rats. Laczi F, et al. **Acta Med Acad Sci Hung** 35(2):173–9, 1978

Immunoreactive beta-endorphin and ACTH in the same neurons of the hypothalamic arcuate nucleus in the rat. Sofroniew MV. **Am J Anat** 154(2):283–9, Feb 79

The metabolism of high-molecular-weight ribonucleic acid in hypothalamic and cortical regions of the developing female rat brain. Hall C, et al. **Biochem J** 176(2):511–21, 15 Nov 78

Development of muscarinic cholinergic receptors in inbred strains of mice: identification of receptor heterogeneity and relation to audiogenic seizure susceptibility. Aronstam RS, et al. **Brain Res** 162(2):231–41, 23 Feb 79

Radioautographic characterization of a serotonin-accumulating nerve cell group in adult rat hypothalamus. Beaudet A, et al. **Brain Res** 160(2):231–43, 12 Jan 79

Androgen receptor in the rat brain--assays and properties. Chamness GC, et al. **Brain Res** 161(2):267–76, 2 Feb 79

Modification of nuclear retention of [3H]estradiol by cells of the hypothalamus as a function of early hormone experience. DeBold JF. **Brain Res** 159(2):416–20, 29 Dec 78

The regional distribution of immunoreactive beta-endorphin in the monkey brain. Matsukura S, et al. **Brain Res** 159(1):228–33, 22 Dec 78

Relative synthesis of myelin in different brain regions of postnatally undernourished rats. Wiggins RC, et al. **Brain Res** 162(1):103–12, 16 Feb 79

Electron microscopic study of the orthograde axonal transport of horseradish peroxidase in the supraoptico-neurohypophysial tract of the rat. Alonso G, et al. **Cell Tissue Res** 194(3):525–31, 12 Dec 78

In vivo and in vitro studies on the appearance of LHRH neurons in the hypothalamus of perinatal rats. Daikoku S, et al. **Cell Tissue Res** 194(3):433–45, 12 Dec 78

Enhanced hypothalamic noradrenaline biosynthesis in Goldblatt I renovascular hypertension. Dequattro V, et al. **Clin Sci Mol Med** 55 Suppl 4:109s–111s, Dec 78

Histamine-induced release of thyrotropin releasing hormone from hypothalamic slices. Charli JL, et al. **Eur J Pharmacol** 52(3–4):401–3, 1 Dec 78

Comparative effects of clozapine and alpha-adrenoceptor blocking drugs on regional noradrenaline metabolism in rat brain. McMillen BA, et al. **Eur J Pharmacol** 52(2):225–30, 15 Nov 78

In vivo rate of serotonin synthesis in brain and spinal cord of young, spontaneously hypertensive rats. Smith ML, et al. **Eur J Pharmacol** 53(3):301–5, 15 Jan 79

The occurrence of para-octopamine in the hypothalamus of the domestic fowl: effects of drugs on its storage and metabolism. Juorio AV. **Experientia** 34(10):1329–30, 15 Oct 78

Close relation between hypothalamic and cardiac norepinephrine during stress and its role in acute myocardial infarction disrhythmias. Martinez-Sierra R, et al. **Experientia** 34(12):1611–3, 15 Dec 78

Beta-lipotropin and endorphins: implications of current knowledge. Guillemin R. **Hosp Pract** 13(11):53–60, Nov 78

Role of monoamines in mediating the action of hormones on learning and memory. pp. 249–68. Telegdy G, et al. **In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978.**

Proceedings of the Society for Endocrinology. One Hundred and Fifty-Third Meeting (Thirty-Third Annual General Meeting) [proceedings] Kamstra G, et al. **J Endocrinol** 79(2):21P–22P, Nov 78

Hypothalamic corticotrophin releasing factor activity in dogs with pituitary-dependent hyperadrenocorticism. Meijer JC, et al. **J Endocrinol** 79(2):209–13, Nov 78

Brain tissue and plasma assay of L-DOPA and alpha-methyldopa metabolites by high performance liquid chromatography with electrochemical detection. Freed CR, et al. **J Neurochem** 32(1):163–8, Jan 79

Estradiol potentiation of hypothalamic uptake of LH-RH from the CSF. Recabarren SE, et al. **Neuroendocrinology** 27(1–2):1–8, 1978

Concentration and metabolism of serotonin in selected brain areas during pregnancy and lactation in the rat. Rowland DL, et al. **Neuroendocrinology** 27(1–2):25–31, 1978

Biological and radioimmunological evidence for melanocyte stimulating hormones (MSH) of extrapituitary origin in the rat brain. Vaudry H, et al. **Neuroendocrinology** 27(1–2):9–24, 1978

Neuronal fields containing luteinizing hormone releasing hormone (LHRH) in mouse brain. Hoffman GE, et al. **Neuroscience** 3(2):219–31, 1978

beta-Carbolines in rat arcuate nucleus. Shoemaker DW, et al. **Neuroscience** 3(2):233–9, 1978

Effects of various periods of food deprivation on serotonin turnover in the lateral hypothalamus. Kantak KM, et al. **Pharmacol Biochem Behav** 9(4):529–34, Oct 78

Effects of various periods of food deprivation on serotonin synthesis in the lateral hypothalamus. Kantak KM, et al. **Pharmacol Biochem Behav** 9(4):535–41, Oct 78

Effect of imipramine on serotonin turnover in the lateral hypothalamus. Kantak KM, et al. **Pharmacol Biochem Behav** 9(5):693–6, Nov 78

[Uptake of peroxidase by activated nerve cells of the hypothalamus (author's transl)] Davidoff M, et al. **Anat Anz** 144(3):225–34, 1978 **(Ger)**

[Presynaptic receptor systems in central noradrenergic neurons] Taube HD. **Fortschr Med** 97(2):61–4, 11 Jan 79 (Eng. Abstr.) **(Ger)**

[Incorporation of 3H-estradiol into elements of the tanycytic and ciliated ependyma of the 3d cerebral ventricle in experiments in vitro] Egorova IF. **Probl Endokrinol (Mosk)** 25(1):57–62, Jan-Feb 79 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Experimental aspects of the cns-insular system. Akmaev IG, et al. **Neurosci Behav Physiol** 8(4):275–80, Oct-Dec 77

[Precocious puberty due to hypothalamic hamartoma] Sallum J, et al. **AMB** 23(3):93–6, May 77 (Eng. Abstr.) **(Por)**

[Endocrine syndromes in schizophrenia in the light of pathologoanatomic studies] Skoliarova NA. **Zh Nevropatol Psikhiatr** 79(1):86–91, 1979 (Eng. Abstr.) **(Rus)**

[Diabetes insipidus and adenocarcinoma of the lung] Candel Monserrate I, et al. **Rev Clin Esp** 151(1):69–72, 15 Oct 78 **(Spa)**

PHYSIOLOGY

Agonistic behavior elicited by electrical stimulation of the brain in western collared lizards, Crotaphytus collaris. Sugerman RA, et al. **Brain Behav Evol** 15(5–6):446–69, 1978

The effect of hypothalamic hemi-islands on compensatory adrenal growth. Holzwarth MA, et al. **Brain Res** 162(1):33–43, 16 Feb 79

Sexual receptivity: critical importance of supraoptic connections of the ventromedial hypothalamus. Malsbury CW, et al. **Brain Res** 159(2):451–7, 29 Dec 78

A potent inhibitory monosynaptic hypothalamo-hippocampal connection. Segal M. **Brain Res** 162(1):137–41, 16 Feb 79

Differential serotonergic innervation of individual hypothalamic nuclei and other forebrain regions by the dorsal and median midbrain raphe nuclei. van de Kar LD, et al. **Brain Res** 162(1):45–54, 16 Feb 79

Central depressants rapidly reduce nocturnal serotonin N-acetyltransferase activity in the rat pineal gland. Zatz M, et al. **Brain Res** 160(2):381–5, 12 Jan 79

[Role of the infundibular complex and its neural afferents in the photosexual reflex in the quail] Oliver J, et al. **C R Acad Sci [D] (Paris)** 287(8):825–7, 9 Oct 78 (Eng. Abstr.)

An investigation of responding on schedules of electrical brain-stimulation reinforcement. Beninger RJ, et al. **Can J Psychol** 32(2):106–15, Jun 78

Test of two hypotheses about summation of rewarding brain stimulation. Milner PM. **Can J Psychol** 32(2):95–105, Jun 78

Brain-stimulation reward: current issues and future prospects. Phillips AG, et al. **Can J Psychol** 32(2):124–8, Jun 78

Enhancement and suppression of self-stimulation after ventromedial hypothalamic lesions. Sutherland RJ, et al. **Can J Psychol** 32(2):86–94, Jun 78

Facilitation of retention by self-stimulation and by experimenter-administered stimulation. White N, et al. **Can J Psychol** 32(2):116–23, Jun 78

Functions of the septo-hippocampal system. Final general discussion. **Ciba Found Symp** (58):407–28, 1977

alpha-Adrenergic modulation of hypothalamic self-stimulation: effects of phenoxybenzamine, yohimbine, dexamphetamine and their interactions with clonidine. Hunt GE, et al. **Eur J Pharmacol** 53(1):1–8, 15 Dec 78

Electrical stimulation of the hypothalamus: new observations on the parameters necessary for ovulation in rats anaesthetised with pentobarbitone during the pro-oestrous 'critical period'. Dyer RG, et al. **Exp Brain Res** 33(3–4):583–92, 15 Nov 78

Morphological features of physiologically identified hypothalamic neurons as revealed by intracellular marking. Kelly MJ, et al. **Exp Brain Res** 34(1):107–16, 2 Jan 79

Spinal sympathoexcitatory pathways activated by stimulating fastigial nuclei, hypothalamus, and lower brain stem in cats. Achari NK, et al. **Exp Neurol** 62(1):230–40, Oct 78

Neuroendocrine mechanisms and aging. Finch CE. **Fed Proc** 38(2):178–83, Feb 79

Sexual differentiation of the brain. Gorski RA. **Hosp Pract** 13(10):55–62, Oct 78

The microtap in neuroendocrinology [proceedings] Comis SD, et al. **J Physiol (Lond)** 284:2P–3P, Nov 78

'Electrochemical stimulation' of the hypothalamus--a

demonstration that this technique does not cause the direct excitation of peptidergic neurones [proceedings] Dyer RG. **J Physiol (Lond)** 284:1P–2P, Nov 78

An electrophysiological study of septal input to oxytocin and vasopressin neurones in the supraoptic nucleus of the rat [proceedings] Ellendorff F, et al. **J Physiol (Lond)** 284:124P, Nov 78

Effects of testosterone and orchiectomy on the development of gonadotrophs in neonatal rats with hypophysial stalk section. Daikoku S, et al. **Neuroendocrinology** 27(3–4):148–59, 1978

In vitro release of ACTH from dispersed rat pars intermedia cells. III. Multiple forms of ACTH biological activity. Kraicer J, et al. **Neuroendocrinology** 27(1–2):86–96, 1978

ACTH release after tuberal electrical stimulation in rats with various cuts around the medial basal hypothalamus. Makara GB, et al. **Neuroendocrinology** 27(3–4):109–18, 1978

Experimental aspects of the cns–insular system. Akmaev IG, et al. **Neurosci Behav Physiol** 8(4):275–80, Oct–Dec 77

Effect of single stimulation of the posterior hypothalamus on visual evoked potentials in anesthetized rabbits. Chuppina LM. **Neurosci Behav Physiol** 8(4):302–6, Oct–Dec 77

Cholinergic and adrenergic influences upon cat skeletal muscle performance induced by stimulation of the anterior hypothalamus. Berdina NA, et al. **Pfluegers Arch** 378(2):149–54, 28 Dec 78

Effects of catecholamine manipulations on three different self–stimulation behaviors. White N, et al. **Pharmacol Biochem Behav** 9(5):603–8, Nov 78

Killing of mice by rats: suppression by medial hypothalamic stimulation. Albert DJ, et al. **Physiol Behav** 21(4):667–70, Oct 78

Sleep and feeding patterns in the ventromedial hypothalamic lesioned rat. Danguir J, et al. **Physiol Behav** 21(5):769–77, Nov 78

Infant rats: VMH damage and the ontogeny of obesity and neuroendocrine dysfunction. Fisher RS, et al. **Physiol Behav** 21(3):369–82, Sep 78

Influence of frontal neocortex lesions and body weight manipulation on the severity of lateral hypothalamic aphagia. Kolb B, et al. **Physiol Behav** 21(4):541–7, Oct 78

Effects of medial septal stimulation on hypothalamically–elicited intraspecific attack and associated hissing in cats. MacDonnell MF, et al. **Physiol Behav** 21(5):679–83, Nov 78

Two–stage amygdaloid lesions and hypothalamic rage: a method useful for detecting functional localization. Maeda H, et al. **Physiol Behav** 21(4):529–30, Oct 78

Effects of septal lesions on electrically elicited hypothalamic rage in cats. Maeda H. **Physiol Behav** 21(3):339–43, Sep 78

Noradrenaline and neophobia. Mason ST, et al. **Physiol Behav** 21(3):353–61, Sep 78

Changes in 24–hour fluctuations of feeding behavior during hypothalamic hyperphagia in rats. Rietveld WJ, et al. **Physiol Behav** 21(4):615–22, Oct 78

Hypothalamic hyperphagia prevented by prior subdiaphragmatic vagotomy: insulin hyperphagia is unaffected. Rowland N, et al. **Physiol Behav** 21(5):685–9, Nov 78

The postures of catecholamine–depletion catalepsy: their possible adaptive value in thermoregulation. Schallert T, et al. **Physiol Behav** 21(5):817–20, Nov 78

Saliva hypersecretion during aphagia following lateral hypothalamic lesions. Schallert T, et al. **Physiol Behav** 21(3):461–3, Sep 78

Regulation of feeding behavior in the prepubertal female rat. Sieck GC, et al. **Physiol Behav** 21(5):727–33, Nov 78

Autoshaping in the rat with electrical stimulation of the brain as the US. Wilkie DM, et al. **Physiol Behav** 21(3):325–8, Sep 78

Advances in endocrinology. Hardisty CA, et al. **Practitioner** 221(1324):499–503, Oct 78

Coordinate control of corticotropin, beta–lipotropin, and beta–endorphin release in mouse pituitary cell cultures. Allen RG, et al. **Proc Natl Acad Sci USA** 75(10):4972–6, Oct 78

'Dark–active' rat transformed into 'light–active' rat by destruction of 24–hr clock: function of 24–hr clock and synchronizers. Richter CP. **Proc Natl Acad Sci USA** 75(12):6276–80, Dec 78

Central effect of somatostatin on the secretion of growth hormone in the anesthetized rat. Abe H, et al. **Proc Soc Exp Biol Med** 159(3):346–9, Dec 78

Neural control of ACTH: a homeostatic reflex. Gann DS, et al. **Recent Prog Horm Res** 34:357–400, 1978 (97 ref.)

[Melatonin and gonadoliberin (LH–RH) cells in rat hypothalamus] Léonardelli J, et al. **C R Soc Biol (Paris)** 172(3):481–4, 1978 (Eng. Abstr.) **(Fre)**

[Extinction of autostimulation behavior in 3 lines of inbred mice. Effect of the delay between the reinforcement period and the extinction session] Cazala P. **Physiol Behav** 21(5):701–4, Nov 78 (Eng. Abstr.) **(Fre)**

[Late results of early stimulation of the lateral hypothalamus on learning and reversal of light–dark discrimination] Velley L, et al. **Physiol Behav** 21(5):691–4, Nov 78 (Eng. Abstr.) **(Fre)**

[Desynchronizing prosencephalic mechanisms in the chronic 'brain isolated' cat] Belardetti F, et al. **Riv Neurol** 48(4):365–71, Jul–Aug 78 **(Ita)**

[Effect of corazole in intensifying changes in the electrical activity of the brain in a constant magnetic field] Smirnova NP. **Biull Eksp Biol Med** 87(1):21–4, Jan 79 (Eng. Abstr.) **(Rus)**

[State of the periodontal tissues after stimulation of the supraoptic and paraventricular nuclei of the hypothalamus] Ganitkevich IaV, et al. **Stomatologiia (Mosk)** 58(1):8–12, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

[Functional interactions between the rabbit hypothalamus and neocortex] Dzhangirov PL. **Zh Evol Biokhim Fiziol** 14(6):603–6, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Status and prospects for study of the laws of higher nervous activity in accordance with the long–term 'Brain' program] Asratian EA, et al. **Zh Vyssh Nerv Deiat** 28(6):1143–50, Nov–Dec 78 **(Rus)**

[Dynamics of cardiovascular functions in rats in the presence of the emotional reactions of self stimulation and avoidance] Iumatov EA, et al. **Zh Vyssh Nerv Deiat** 28(6):1254–61, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Activity of hypothalamic neurons during elaboration of a defensive conditioned reflex] Kopytova FV. **Zh Vyssh Nerv Deiat** 28(6):1239–48, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Patterns in rats' choices of pressings of different duration in the process of self stimulation] Kulikov MA, et al. **Zh Vyssh Nerv Deiat** 28(6):1307–10, Nov–Dec 78 **(Rus)**

[Lateral hypothalamus stimulation as a conditioned stimulus for an alimentary instrumental reflex] Pavlova OG. **Zh Vyssh Nerv Deiat** 28(6):1190–6, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Hyperprolactinaemia in the spontaneously hypertensive rat. Sowers JR, et al. **Acta Endocrinol (Copenh)** 90(1):1–7, Jan 79

Day–to–day variations in serum levels of follicle–stimulating hormone and luteinizing hormone in homosexual males. Halbreich U, et al. **Biol Psychiatry** 13(5):541–9, Oct 78

Seizure headaches in children. Swaiman KF, et al. **Dev Med Child Neurol** 20(5):580–5, Oct 78

Fever versus hyperthermia. Stitt JT. **Fed Proc** 38(1):39–43, Jan 79

Changes in posterior hypothalamic self–stimulation following experimental cerebral infarction in the rat. Robinson RG, et al. **J Comp Physiol Psychol** 92(5):969–76, Oct 78

[Effect of electrostimulation of the medial portion of the hypothalamus of cats on features of sciatic nerve fiber restructuring in experimental neuritis] Shkodkin IV. **Arkh Anat Gistol Embriol** 75(12):46–53, Dec 78 (Eng. Abstr.) **(Rus)**

[Impedance in the hypothalamus and hippocampus in closed cranio–cerebral trauma and its reactive changes in altitude hypoxia] Orestenko IuN, et al. **Patol Fiziol Eksp Ter** (5):46–52, Sep–Oct 78 (Eng. Abstr.) **(Rus)**

[Vegetative disorders in the clinical picture of temporal lobe tumors] Nesterov LN, et al. **Zh Nevropatol Psikhiatr** 79(1):40–5, 1979 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Biogenic amine response to whole body irradiation. Prevention by APTH. Prasad GC, et al. **Acta Radiol Oncol Radiat Phys Biol** 17(6):510–6, 1978

RADIOGRAPHY

Neuroradiologic study of hamartomas of the tuber cinereum and hypothalamus. Lin SR, et al. **Neuroradiology** 16:17–9, 1978

SECRETION

Developmental correlation between hypothalamic gonadotropin–releasing hormone and hypophysial luteinizing hormone. Gross DS, et al. **Am J Anat** 154(1):1–10, Jan 79

[Electron–microscopic picture of the neurosecretory system of rats during osmotic disorders] Loesch A, et al. **Neuropatol Pol** 16(4):473–86, Oct–Dec 78 (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

Ascending brain stem pathways to the diencephalon and limbic regions: a light and electron microscopic study in the rat. Záborszky L, et al. **Acta Morphol Acad Sci Hung** 26(1):49–71, 1978

Possible relations between the secretory cycle of the neurosecretory cells in the rat paraventricular nucleus and the estrous cycle. Yukitake Y. **Arch Histol Jpn** 41(5):471–82, Nov 78

Radioautographic characterization of a serotonin-accumulating nerve cell group in adult rat hypothalamus. Beaudet A, et al. **Brain Res** 160(2):231–43, 12 Jan 79

Detection of aldehydefuchsin-positive neurosecretory granules in the cells of the suprachiasmatic nucleus of the rat. Bock R, et al. **Histochemistry** 58(4):335–8, 13 Dec 78

[Uptake of peroxidase by activated nerve cells of the hypothalamus (author's transl)] Davidoff M, et al. **Anat Anz** 144(3):225–34, 1978 **(Ger)**

HYPOTHALAMUS, ANTERIOR

ANATOMY & HISTOLOGY

Some efferent connections of the rostral hypothalamus in the squirrel monkey (Saimiri sciureus) and cat. Saper CB, et al. **J Comp Neurol** 184(2):205–41, 15 Mar 79

ENZYMOLOGY

[Effect of hydration and dehydration of the bodies of animals on bioenergetic and mediator processes in the neurosecretory cells of the anterior hypothalamus] Mikhailik TA. **Biull Eksp Biol Med** 86(12):734–7, Dec 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Electrical stimulation of the hypothalamus: new observations on the parameters necessary for ovulation in rats anaesthetised with pentobarbitone during the pro–oestrous 'critical period'. Dyer RG, et al. **Exp Brain Res** 33(3–4):583–92, 15 Nov 78

Cholinergic and adrenergic influences upon cat skeletal muscle performance induced by stimulation of the anterior hypothalamus. Berdina NA, et al. **Pfluegers Arch** 378(2):149–54, 28 Dec 78

PHYSIOPATHOLOGY

Central mechanisms of fever. Cranston WI. **Fed Proc** 38(1):49–51, Jan 79

[Acute peptic ulcers in intensive care units (author's transl)] Grivaux M, et al. **Sem Hop Paris** 54(41–42):1272–5, 18–25 Nov 78 (Eng. Abstr.) **(Fre)**

[Impedance in the hypothalamus and hippocampus in closed cranio–cerebral trauma and its reactive changes in altitude hypoxia] Orestenko IuN, et al. **Patol Fiziol Eksp Ter** (5):46–52, Sep–Oct 78 (Eng. Abstr.) **(Rus)**

HYPOTHALAMUS, MEDIAL

ANATOMY & HISTOLOGY

A fine-grained anatomical analysis of the role of the rat suprachiasmatic nucleus in circadian rhythms of feeding and drinking. Van den Pol AN, et al. **Brain Res** 160(2):307–26, 12 Jan 79

Morphological features of physiologically identified hypothalamic neurons as revealed by intracellular marking. Kelly MJ, et al. **Exp Brain Res** 34(1):107–16, 2 Jan 79

An autoradiographic study of the efferent connections of the ventromedial nucleus of the hypothalamus. Krieger MS, et al. **J Comp Neurol** 183(4):785–815, 15 Feb 79

Some efferent connections of the rostral hypothalamus in the squirrel monkey (Saimiri sciureus) and cat. Saper CB, et al. **J Comp Neurol** 184(2):205–41, 15 Mar 79

Changes in 24-hour fluctuations of feeding behavior during hypothalamic hyperphagia in rats. Rietveld WJ, et al. **Physiol Behav** 21(4):615–22, Oct 78

BLOOD SUPPLY

Blood supply of the rat hypothalamus. V. The medial hypothalamus (nucleus ventromedialis, nucleus dorsomedialis, nucleus perifornicalis). Ambach G, et al. **Acta Morphol Acad Sci Hung** 25(4):259–78, 1977

METABOLISM

Radioautographic characterization of a serotonin-accumulating nerve cell group in adult rat hypothalamus. Beaudet A, et al. **Brain Res** 160(2):231–43, 12 Jan 79

PATHOLOGY

Experimental aspects of the cns-insular system. Akmaev IG, et al. **Neurosci Behav Physiol** 8(4):275–80, Oct–Dec 77

PHYSIOLOGY

The effect of hypothalamic hemi-islands on compensatory adrenal growth. Holzwarth MA, et al. **Brain Res** 162(1):33–43, 16 Feb 79

Sexual receptivity: critical importance of supraoptic connections of the ventromedial hypothalamus. Malsbury CW, et al. **Brain Res** 159(2):451–7, 29 Dec 78

A fine-grained anatomical analysis of the role of the rat suprachiasmatic nucleus in circadian rhythms of feeding and drinking. Van den Pol AN, et al. **Brain Res** 160(2):307–26, 12 Jan 79

Enhancement and suppression of self-stimulation after ventromedial hypothalamic lesions. Sutherland RJ, et al. **Can J Psychol** 32(2):86–94, Jun 78

Electrical stimulation of the hypothalamus: new observations on the parameters necessary for ovulation in rats anaesthetised with pentobarbitone during the pro–oestrous 'critical period'. Dyer RG, et al. **Exp Brain Res** 33(3–4):583–92, 15 Nov 78

ACTH release after tuberal electrical stimulation in rats with various cuts around the medial basal hypothalamus. Makara GB, et al. **Neuroendocrinology** 27(3–4):109–18, 1978

Killing of mice by rats: suppression by medial hypothalamic stimulation. Albert DJ, et al. **Physiol Behav** 21(4):667–70, Oct 78

Sleep and feeding patterns in the ventromedial hypothalamic lesioned rat. Danguir J, et al. **Physiol Behav** 21(5):769–77, Nov 78

Infant rats: VMH damage and the ontogeny of obesity and neuroendocrine dysfunction. Fisher RS, et al. **Physiol Behav** 21(3):369–82, Sep 78

Effects of medial septal stimulation on hypothalamically-elicited intraspecific attack and associated hissing in cats. MacDonnell MF, et al. **Physiol Behav** 21(5):679–83, Nov 78

Effects of septal lesions on electrically elicited hypothalamic rage in cats. Maeda H. **Physiol Behav** 21(3):339–43, Sep 78

Changes in 24-hour fluctuations of feeding behavior during hypothalamic hyperphagia in rats. Rietveld WJ, et al. **Physiol Behav** 21(4):615–22, Oct 78

Hypothalamic hyperphagia prevented by prior subdiaphragmatic vagotomy: insulin hyperphagia is unaffected. Rowland N, et al. **Physiol Behav** 21(5):685–9, Nov 78

Regulation of feeding behavior in the prepubertal female rat. Sieck GC, et al. **Physiol Behav** 21(5):727–33, Nov 78

[Dynamics of cardiovascular functions in rats in the presence of the emotional reactions of self stimulation and avoidance] Iumatov EA, et al. **Zh Vyssh Nerv Deiat** 28(6):1254–61, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Activity of hypothalamic neurons during elaboration of a defensive conditioned reflex] Kopytova FV. **Zh Vyssh Nerv Deiat** 28(6):1239–48, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Effect of electrostimulation of the medial portion of the hypothalamus of cats on features of sciatic nerve fiber restructuring in experimental neuritis] Shkodkin IV. **Arkh Anat Gistol Embriol** 75(12):46–53, Dec 78 (Eng. Abstr.) **(Rus)**

HYPOTHALAMUS, POSTERIOR

ANATOMY & HISTOLOGY

Effect of single stimulation of the posterior hypothalamus on visual evoked potentials in anesthetized rabbits. Chuppina LM. **Neurosci Behav Physiol** 8(4):302–6, Oct–Dec 77

ENZYMOLOGY

[Effect of hydration and dehydration of the bodies of animals on bioenergetic and mediator processes in the neurosecretory cells of the anterior hypothalamus] Mikhailik TA. **Biull Eksp Biol Med** 86(12):734–7, Dec 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Effect of single stimulation of the posterior hypothalamus on visual evoked potentials in anesthetized rabbits. Chuppina LM. **Neurosci Behav Physiol** 8(4):302–6, Oct–Dec 77

[Functional interactions between the rabbit hypothalamus and neocortex] Dzhangirov PL. **Zh Evol Biokhim Fiziol** 14(6):603–6, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Changes in posterior hypothalamic self-stimulation following experimental cerebral infarction in the rat. Robinson RG, et al. **J Comp Physiol Psychol** 92(5):969–76, Oct 78

MEDIAN EMINENCE

ANALYSIS

Developmental correlation between hypothalamic gonadotropin-releasing hormone and hypophysial luteinizing hormone. Gross DS, et al. **Am J Anat** 154(1):1–10, Jan 79

Immunocytochemical demonstration of somatostatin-containing neurons in the hypothalamus of the domestic mallard. Blähser S, et al. **Cell Tissue Res** 195(1):183–7, 14 Dec 78

[Histofluorometric study of catecholamines of the external layer of median eminence in the rabbit (author's transl)] Bensch C, et al. **Ann Endocrinol (Paris)** 39(4):281–302, Jul–Aug 78 (Eng. Abstr.) **(Fre)**

METABOLISM

Ultrastructural localization of radiolabelled L-dopa in the endocrine hypothalamus of the rat. Scott DE, et al. **Cell Tissue Res** 195(1):29–43, 14 Dec 78

Further characterization of rat corticotrophin releasing factor [proceedings] Gillies G, et al. **J Endocrinol** 79(2):22P–23P, Nov 78

PHYSIOLOGY

Electrical stimulation of the hypothalamus: new observations on the parameters necessary for ovulation in rats anaesthetised with pentobarbitone during the pro-oestrous 'critical period'. Dyer RG, et al. **Exp Brain Res** 33(3–4):583–92, 15 Nov 78

Morphological features of physiologically identified hypothalamic neurons as revealed by intracellular marking. Kelly MJ, et al. **Exp Brain Res** 34(1):107–16, 2 Jan 79

[Histofluorometric study of catecholamines of the external layer of median eminence in the rabbit (author's transl)] Bensch C, et al. **Ann Endocrinol (Paris)** 39(4):281–302, Jul–Aug 78 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

[Changes in the hypothalamo-hyophyseal neurosceretory system of mammals following pituitary stelk transection and hypophysectomy] Ugriumov MV. **Arkh Anat Gistol Embriol** 75(12):73–84, Dec 78 (81 ref.) (Eng. Abstr.) **(Rus)**

NEUROSECRETORY SYSTEMS

ANATOMY & HISTOLOGY

Locations and central projections of neurons associated with the retrocerebral neuroendocrine complex of the cockroach Periplaneta americana (L.). Pipa RL. **Cell Tissue Res** 193(3):443–55, 30 Oct 78

CYTOLOGY

[Interrelationships of the neurosecretory cells and capillaries in the preoptic nucleus of the carp] Senchik IuI, et al. **Tsitologiia** 20(11):1256–63, Nov 78 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Enkephalins and endorphins. Miller RJ, et al. **Vitam Horm** 36:297–382, 1978 (258 ref.)

METABOLISM

In vivo incorporation of [3H]leucine and [3H]tyrosine by caudal neurosecretory cells of the trout Salvelinus fontinalis in relation to osmotic manipulations. A radioautographic study. Chevalier G. **Gen Comp Endocrinol** 36(2):223–8, Oct 78

[Pathways of substance penetration into the neurosecretory axons in the posterior lobe of the rat hypophysis] Ugriumov MV. **Tsitologiia** 20(11):1243–8, Nov 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The functional and structural border between the CSF- and blood-milieu in the circumventricular organs (organum vasculosum laminae terminalis, subfornical organ, area postrema) of the rat. Krisch B, et al. **Cell Tissue Res** 195(3):485–97, 29 Dec 78

Neuroendocrine mechanisms and aging. Finch CE. **Fed Proc** 38(2):178–83, Feb 79

Caudal neurosecretory system of fishes--report of a meeting. Bern HA, et al. **Gen Comp Endocrinol** 36(2):321–2, Oct 78

The presence of a hypoglucemic and hypotrehalocemic hormone in the neurosecretory system of the blowfly Calliphora erythrocephala. Duve H. **Gen Comp Endocrinol** 36(1):102–110, Sep 78

Neurotransmitter modulation, phosphodiesterase inhibitor effects, and cyclic AMP correlates of afterdischarge in peptidergic neurites. Kaczmarek LK, et al. **Proc Natl Acad Sci USA** 75(10):5200–4, Oct 78

ULTRASTRUCTURE

Possible relations between the secretory cycle of the neurosecretory cells in the rat paraventricular nucleus and the estrous cycle. Yukitake Y. **Arch Histol Jpn** 41(5):471–82, Nov 78

Tracing of neurosecretory neurons in crayfish optic ganglia by cobalt iontophoresis. Jaros PP. **Cell Tissue Res** 194(2):297–302, 20 Nov 78

PINEAL BODY

ANALYSIS

Occurrence and regional distribution of calcareous concretions in the rat pineal gland. Diehl BJ. **Cell Tissue Res** 195(2):359–66, 28 Dec 78

ANATOMY & HISTOLOGY

Occurrence and regional distribution of calcareous concretions in the rat pineal gland. Diehl BJ. **Cell Tissue Res** 195(2):359–66, 28 Dec 78

[Study on the pineal gland of ungulates] Legait H, et al. **Bull Assoc Anat (Nancy)** 62(176):101–11, Mar 78 (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

Vascular permeability to proteins and peptides in the mouse pineal gland. Møller M, et al. **Cell Tissue Res** 195(1):1–15, 14 Dec 78

[Study on the pineal gland of ungulates] Legait H, et al. **Bull Assoc Anat (Nancy)** 62(176):101–11, Mar 78 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Development of the innervation in the chicken pineal gland (Gallus gallus). Calvo J, et al. **Acta Anat (Basel)** 103(2):212–25, 1979

The pineal-paraphyseal complex of sea turtles. I. Light microscopic description. Owens DW, et al. **J Morphol** 158(2):169–79, Nov 78

[Study on the pineal gland of ungulates] Legait H, et al. **Bull Assoc Anat (Nancy)** 62(176):101–11, Mar 78 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Biologic rhythms and sympathetic neural control of pineal

metabolism. Romero JA. **Adv Exp Med Biol** 108:235–49, 1978

Protein synthesis in pineal gland during serotonin–N–acetyltransferase induction. Morrissey JJ, et al. **Arch Biochem Biophys** 191(1):1–7, Nov 78

A comparative study of pineal acetyl–CoA hydrolase and N–acetyltransferase activities. Namboodiri MA, et al. **J Neurochem** 32(1):31–3, Jan 79

The human pineal. New approaches and prospects. Mullen PE, et al. **J Psychosom Res** 22(4):357–76, 1978

EMBRYOLOGY

Development of the innervation in the chicken pineal gland (Gallus gallus). Calvo J, et al. **Acta Anat (Basel)** 103(2):212–25, 1979

[Embryonal development of the brain of the shark Scyliorhinus canicula (L.). I. Formation of the shape of the brain, the migration mode and phase and the structure of the diencephalon] Farner HP. **J Hirnforsch** 19(4):313–32, 1978 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Central depressants rapidly reduce nocturnal serotonin N–acetyltransferase activity in the rat pineal gland. Zatz M, et al. **Brain Res** 160(2):381–5, 12 Jan 79

Pineal N–acetyltransferase depression in rats exposed to heat. Nir I, et al. **Experientia** 34(12):1645–6, 15 Dec 78

Circadian rhythmicity in the methylation of 5–hydroxyindoles and norepinephrine in the pineal gland of 10 day old rats. Balemans MG, et al. **J Neural Transm** 43(2):167–75, 1978

High proportions of type B monoamine oxidase in the discrete circumventricular regions of the rat. Kim JS, et al. **J Neurochem** 32(1):253–6, Jan 79

A comparative study of pineal acetyl–CoA hydrolase and N–acetyltransferase activities. Namboodiri MA, et al. **J Neurochem** 32(1):31–3, Jan 79

Circadian clock in culture: N–acetyltransferase activity of chick pineal glands oscillates in vitro. Kasal CA, et al. **Science** 203(4381):656–8, 16 Feb 79

Intraventricular carbachol mimics the effects of light on the circadian rhythm in the rat pineal gland. Zatz M, et al. **Science** 203(4378):358–61, 26 Jan 79

GROWTH & DEVELOPMENT

Development of the innervation in the chicken pineal gland (Gallus gallus). Calvo J, et al. **Acta Anat (Basel)** 103(2):212–25, 1979

A comparative study of pineal acetyl–CoA hydrolase and N–acetyltransferase activities. Namboodiri MA, et al. **J Neurochem** 32(1):31–3, Jan 79

METABOLISM

Biologic rhythms and sympathetic neural control of pineal metabolism. Romero JA. **Adv Exp Med Biol** 108:235–49, 1978

Protein synthesis in pineal gland during serotonin–N–acetyltransferase induction. Morrissey JJ, et al. **Arch Biochem Biophys** 191(1):1–7, Nov 78

Vascular permeability to proteins and peptides in the mouse pineal gland. Møller M, et al. **Cell Tissue Res** 195(1):1–15, 14 Dec 78

Free amino acids and amines in the pineal organ of the rainbow trout (Salmo gairdneri): influence of light and dark. Meissl H, et al. **Comp Biochem Physiol [C]** 61 C(2):401–5, 1978

Differences in biological function between the blind and the sighted. Jan JE. **Dev Med Child Neurol** 20(5):668–70, Oct 78

Effect of one minute exposure to light at night on rat pineal serotonin N–acetyltransferase and melatonin. Illnerová H, et al. **J Neurochem** 32(2):673–5, Feb 79

Polyneuropathies and CNS protein metabolism. III. Changes in protein synthesis rate induced by acrylamide intoxication. Schotman P, et al. **J Neuropathol Exp Neurol** 37(6):820–37, Nov–Dec 78

The human pineal. New approaches and prospects. Mullen PE, et al. **J Psychosom Res** 22(4):357–76, 1978

Biological and radioimmunological evidence for melanocyte stimulating hormones (MSH) of extrapituitary origin in the rat brain. Vaudry H, et al. **Neuroendocrinology** 27(1–2):9–24, 1978

[Study on the pineal gland of ungulates] Legait H, et al. **Bull Assoc Anat (Nancy)** 62(176):101–11, Mar 78 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Free amino acids and amines in the pineal organ of the rainbow trout (Salmo gairdneri): influence of light and dark. Meissl H, et al. **Comp Biochem Physiol [C]** 61 C(2):401–5, 1978

Inhibitory action of pineal extract on LH and FSH. Damian E, et al. **Endocrinologie** 16(4):257–62, Oct–Dec 78

Influence of pinealectomy on serum estrogen and progesterone levels in blind–anosmic female rats. Vaughan GM, et al. **Experientia** 34(10):1378–9, 15 Oct 78

Effect of pinealectomy on seasonal androgen titers, antler growth and feed intake in white–tailed deer. Brown RD, et al. **J Anim Sci** 47(2):435–40, Aug 78

Seasonal diurnal variations in LH release in immature female rats and the effect of pinealectomy. Slama–Scemama A, et al. **J Neural Transm** 43(2):161–6, 1978

Sensitivity change of the chromatic response of the pineal organ of the frog, Rana esculenta, by light adaptation [proceedings] Donley CS, et al. **J Physiol (Lond)** 284:115P, Nov 78

Pineal facilitation of territorial aggression [proceedings] Paterson AT, et al. **J Physiol (Lond)** 284:173P–174P, Nov 78

The human pineal. New approaches and prospects. Mullen PE, et al. **J Psychosom Res** 22(4):357–76, 1978

The pineal, a tranquillizing organ? Romijn HJ. **Life Sci** 23(23):2257–73, 4 Dec 78 (113 ref.)

Receptors, neurotransmitters and drug responses. Snyder SH. **N Engl J Med** 300(9):465–72, 1 Mar 79 (61 ref.)

Effects of pinealectomy of rams on secretory profiles of luteinizing hormone, testosterone, prolactin and cortisol. Barrell GK, et al. **Neuroendocrinology** 27(5–6):216–27, 1978

The effect of pinealectomy on the pattern of prolactin secretion in conscious freely moving male rats. Rønnekleiv O, et al. **Neuroendocrinology** 27(5–6):279–90, 1978

Influence of epiphysectomy on the circadian rhythm of the glucocorticoid, androgenic, estrogenic, and gestagenic function of the endocrine glands. Golikov PP, et al. **Neurosci Behav Physiol** 8(4):281–4, Oct–Dec 77

Circadian clock in culture: N–acetyltransferase activity of chick pineal glands oscillates in vitro. Kasal CA, et al. **Science** 203(4381):656–8, 16 Feb 79

Intraventricular carbachol mimics the effects of light on the circadian rhythm in the rat pineal gland. Zatz M, et al. **Science** 203(4378):358–61, 26 Jan 79

[Principles of chronobiology and prospects of their use in problems of nutrition] Violante A, et al. **Recenti Prog Med** 65(5):449–68, Nov 78 (51 ref.) (Eng. Abstr.) **(Ita)**

[Interrelationship between the pineal gland and the hypothalamo–hypophyseal complex. IV. Effect of pinealectomy on the luteinizing function of the rat pituitary] Krivosheev OG, et al. **Probl Endokrinol (Mosk)** 25(1):47–52, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Differences in biological function between the blind and the sighted. Jan JE. **Dev Med Child Neurol** 20(5):668–70, Oct 78

SURGERY

Characterization of pinealectomy induced convulsions in the Mongolian gerbil (Meriones unguiculatus). Philo R, et al. **Epilepsia** 19(5):485–92, Oct 78

Endodermal sinus tumor of the pineal region: case report. Lee SH, et al. **Neurosurgery** 3(3):407–11, Nov–Dec 78

ULTRASTRUCTURE

Microfilaments, the smooth endoplasmic reticulum and synaptic ribbon fields in the pinealocytes of the baboon (Papio ursinus). Theron JJ, et al. **Am J Anat** 154(2):151–61, Feb 79

Ultrastructure of rat pinealocytes in vitro: influence of gonadotropic hormones and LH–RH. Karasek M, et al. **Cell Tissue Res** 195(3):547–56, 29 Dec 78

Fine structure of the pineal organ in the troglobytic fish, Typhlichthyes subterraneous (Pisces: Amblyopsidae). McNulty JA. **Cell Tissue Res** 195(3):535–45, 29 Dec 78

Effects of acute cold exposure on the ultrastructure of the mouse pinealocyte. Matsushima S, et al. **Cell Tissue Res** 195(3):461–9, 29 Dec 78

Vascular permeability to proteins and peptides in the mouse pineal gland. Møller M, et al. **Cell Tissue Res** 195(1):1–15, 14 Dec 78

NEUROENDOCRINOLOGY

II. Disorders of the Amygdaloid Body

PINEALOMA

COMPLICATIONS

Selected hearing impairment associated with pinealoma. Reger SN. **Ann Otol Rhinol Laryngol** 87(6 Pt 1):834–6, Nov–Dec 78

DIAGNOSIS

Endoscopic biopsy of intraventricular tumors with the use of a ventriculofiberscope. Fukushima T. **Neurosurgery** 2(2):110–3, Mar–Apr 78

Computed axial tomography in intracranial neoplasms in children. Richter IA, et al. **S Afr Med J** 54(13):520–4, 23 Sep 78

[Cytological misinterpretation of CSF in pinealoma (germinoma) (author's transl)] Wiethölter H, et al. **Nervenarzt** 49(12):726–9, Dec 78 **(Ger)**

PATHOLOGY

[Cytological misinterpretation of CSF in pinealoma (germinoma) (author's transl)] Wiethölter H, et al. **Nervenarzt** 49(12):726–9, Dec 78 **(Ger)**

RADIOGRAPHY

[Significance of computed tomography in therapeutic diagnosis of brain tumors (author's transl)] Komatsu K, et al. **No Shinkei Geka** 6(12):1165–72, Dec 78 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Increased concentration of 99mTc–methylene diphosphonate and 67Ga–citrate in extracranial bone metastases from pinealoma. Tonami N, et al. **Clin Nucl Med** 3(12):467–9, Dec 78

SURGERY

Selected hearing impairment associated with pinealoma. Reger SN. **Ann Otol Rhinol Laryngol** 87(6 Pt 1):834–6, Nov–Dec 78

NEUROENDOCRINOLOGY

III. *Neuroendocrine System Hormones, Precursors, Metabolites and Synthetic Analogs*

CORTICOTROPIN RELEASING HORMONE

Conversion of high molecular weight CRF (corticotropin-releasing factor) or PRF (prolactin-releasing factor) into lower molecular weight forms by boiling at low pH. Yasuda N, et al. **Biochem Biophys Res Commun** 85(4):1291–8, 29 Dec 78

BIOSYNTHESIS

Proceedings of the Society for Endocrinology. One Hundred and Fifty-Third Meeting (Thirty-Third Annual General Meeting) [proceedings] Kamstra G, et al. **J Endocrinol** 79(2):21P–22P, Nov 78

METABOLISM

Further characterization of rat corticotrophin releasing factor [proceedings] Gillies G, et al. **J Endocrinol** 79(2):22P–23P, Nov 78

Hypothalamic corticotrophin releasing factor activity in dogs with pituitary-dependent hyperadrenocorticism. Meijer JC, et al. **J Endocrinol** 79(2):209–13, Nov 78

PHARMACODYNAMICS

Conversion of high molecular weight CRF (corticotropin-releasing factor) or PRF (prolactin-releasing factor) into lower molecular weight forms by boiling at low pH. Yasuda N, et al. **Biochem Biophys Res Commun** 85(4):1291–8, 29 Dec 78

Corticotropin responsiveness in the neonatal rat. Guillet R, et al. **Neuroendocrinology** 27(3–4):119–25, 1978

SECRETION

ACTH release after tuberal electrical stimulation in rats with various cuts around the medial basal hypothalamus. Makara GB, et al. **Neuroendocrinology** 27(3–4):109–18, 1978

ENDORPHINS

beta-Endorphin: complete primary structure is required for full analgesic activity. Li CH, et al. **Biochem Biophys Res Commun** 85(2):795–800, 29 Nov 78

Unsulfated C-terminal 7-peptide of cholecystokinin: a new ligand of the opiate receptor. Schiller PW, et al. **Biochem Biophys Res Commun** 85(4):1332–8, 29 Dec 78

Spontaneous inactivation of enkephalin. Vogel Z, et al. **Biochem Biophys Res Commun** 85(1):226–33, 14 Nov 78

A stereochemically-constrained enkephalin analog. alpha-Aminoisobutyryl2 methionine5 enkephalinamide. Nagaraj R, et al. **FEBS Lett** 96(2):273–6, 15 Dec 78

Elucidation of the receptor-bound conformation of the enkephalins. Gorin FA, et al. **J Supramol Struct** 9(1):27–39, 1978

[Hemodialysis and the idea of detoxification of blood in the therapy of schizophrenia (author's transl)] Philipp M. **Fortschr Neurol Psychiatr** 47(1):36–46, Jan 79 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Endorphins: physiology and clinical implications. Goldstein A. **Ann NY Acad Sci** 311:49–58, 1978

Self-administration of an enkephalin analog by rhesus monkey. Mello NK, et al. **Pharmacol Biochem Behav** 9(5):579–86, Nov 78

ANALYSIS

Immunoreactive beta-endorphin and ACTH in the same neurons of the hypothalamic arcuate nucleus in the rat. Sofroniew MV. **Am J Anat** 154(2):283–9, Feb 79

Distribution of methionine- and leucine-enkephalin within the rat pituitary gland measured by highly specific radioimmunoassays. Duka T, et al. **Biochem Biophys Res Commun** 85(3):1119–27, 14 Dec 78

Pancreatic glucagon cells contain endorphin-like immunoreactivity. Grube D, et al. **Histochemistry** 59(1):75–9, 28 Dec 78

Enkephalins and endorphins. Miller RJ, et al. **Vitam Horm** 36:297–382, 1978 (258 ref.)

[Presence of substances immunoreactively related to enkephalin in an insect, Locusta migratoria] Gros C, et al. **C R Acad Sci [D] (Paris)** 287(6):647–50, 25 Sep 78 (Eng. Abstr.) **(Fre)**

ANTAGONISTS & INHIBITORS

Some observations on the opiate peptides and schizophrenia. Watson SJ, et al. **Arch Gen Psychiatry** 36(1):35–41, Jan 79 (85 ref.)

Antagonistic effect of compound 48/80 on the inhibitory actions of morphine and methionine-enkephalin on electrically-induced contractions of the guinea-pig ileum. Kamikawa Y, et al. **Br J Pharmacol** 64(4):511–8, Dec 78

Opiate receptor agonists as modulators of gamma-aminobutyric acid turnover in the nucleus caudatus, globus pallidus and substantia nigra of the rat. Moroni F, et al. **J Pharmacol Exp Ther** 207(3):870–7, Dec 78

In vivo antagonism by naloxone of morphine, beta-endorphin and a synthetic enkephalin analog. Székely JI, et al. **J Pharmacol Exp Ther** 207(3):878–83, Dec 78

Systemic administration of beta-endorphin: potent hypotensive effect involving a serotonergic pathway. Lemaire I, et al. **Proc Natl Acad Sci USA** 75(12):6240–2, Dec 78

BIOSYNTHESIS

Enzymic synthesis of opioid peptides. Wong CH, et al. **Biochim Biophys Acta** 576(1):247–9, 25 Jan 79

Biosynthesis of beta-endorphin, beta-lipotropin and the putative ACTH-LPH precursor in the frog pars intermedia. Pezalla PD, et al. **Life Sci** 23(23):2281–91, 4 Dec 78

Biosynthesis of beta-endorphin from beta-lipotropin and a larger molecular weight precursor in rat pars intermedia. Crine P, et al. **Proc Natl Acad Sci USA** 75(10):4719–23, Oct 78

BLOOD

On betaH-Leu5-endorphin and schizophrenia. Lewis RV, et al. **Arch Gen Psychiatry** 36(2):237–9, Feb 79

A 1978 perspective of hemoperfusion. Chang TM. **Artif Organs** 2(4):359–62, Nov 78

Involvement of endorphins in emotional hyperthermia of rats. Bläsig J, et al. **Life Sci** 23(25):2525–31, 18 Dec 78

Presence of immunoreactive beta-endorphin in plasma of patients with Nelson's syndrome and Addison's disease. Nakai Y, et al. **Life Sci** 23(23):2293–8, 4 Dec 78

CEREBROSPINAL FLUID

Chemical mechanisms in pain modulation. Wahlström A. **Acta Anaesthesiol Scand [Suppl]** (70):119–23, 1978

In vivo interaction of morphine and endogenous opiate-like peptides. Bergmann F, et al. **Life Sci** 23(26):2601–8, 25 Dec 78

Pain perception and endorphin levels in cerebrospinal fluid. Von Knorring L, et al. **Pain** 5(4):359–65, Dec 78

Appearance of beta-endorphin-like immunoreactivity in human ventricular cerebrospinal fluid upon analgesic electrical stimulation. Akil H, et al. **Proc Natl Acad Sci USA** 75(10):5170–2, Oct 78

Stimulation of human periaqueductal gray for pain relief increases immunoreactive beta-endorphin in ventricular fluid. Hosobuchi Y, et al. **Science** 203(4377):279–81, 19 Jan 79

CHEMICAL SYNTHESIS

D-Ala2, deltaZPhe4-methionine enkephalin amide, a dehydropeptide hormone. English ML, et al. **Biochem Biophys Res Commun** 85(2):780–2, 29 Nov 78

Enzymic synthesis of opioid peptides. Wong CH, et al. **Biochim Biophys Acta** 576(1):247–9, 25 Jan 79

A stereochemically-constrained enkephalin analog.

alpha-Aminoisobutyryl2 methionine5 enkephalinamide. Nagaraj R, et al. **FEBS Lett** 96(2):273-6, 15 Dec 78

CLASSIFICATION

[Discovery and biological role of endogenous morphinomimetic peptides (author's transl)] Waluś KM. **Przegl Lek** 35(12):891-4, 1978 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Appearance of beta-endorphin-like immunoreactivity in human ventricular cerebrospinal fluid upon analgesic electrical stimulation. Akil H, et al. **Proc Natl Acad Sci USA** 75(10):5170-2, Oct 78

Pituitary somatotrophs contain [Met]enkephalin-like immunoreactivity. Weber E, et al. **Proc Natl Acad Sci USA** 75(12):6134-8, Dec 78

Stimulation of human periaqueductal gray for pain relief increases immunoreactive beta-endorphin in ventricular fluid. Hosobuchi Y, et al. **Science** 203(4377):279-81, 19 Jan 79

ISOLATION & PURIFICATION

Isolation of the C-fragment and C'-fragment of lipotropin from pig pituitary and C-fragment from brain. Smyth DG, et al. **Biochem J** 175(1):261-70, 1 Oct 78

Immunologic localization of alpha- and beta-endorphins and beta-lipotropin in corticotropic cells of the normal and anencephalic fetal pituitaries. Bégeot M, et al. **Cell Tissue Res** 193(3):413-22, 30 Oct 78

Biosynthesis of beta-endorphin, beta-lipotropin and the putative ACTH-LPH precursor in the frog pars intermedia. Pezalla PD, et al. **Life Sci** 23(23):2281-91, 4 Dec 78

The brain as an endocrine organ. Guillemin R. **Neurosci Res Program Bull** 16 Suppl:1-25, Aug 78 (58 ref.)

METABOLISM

Withdrawal from endogenous opiates [letter] Julius DA. **Am J Psychiatry** 136(3):358-9, Mar 79

Endorphins: physiology and clinical implications. Goldstein A. **Ann NY Acad Sci** 311:49-58, 1978

Some observations on the opiate peptides and schizophrenia. Watson SJ, et al. **Arch Gen Psychiatry** 36(1):35-41, Jan 79 (85 ref.)

Unsulfated C-terminal 7-peptide of cholecystokinin: a new ligand of the opiate receptor. Schiller PW, et al. **Biochem Biophys Res Commun** 85(4):1332-8, 29 Dec 78

Spontaneous inactivation of enkephalin. Vogel Z, et al. **Biochem Biophys Res Commun** 85(1):226-33, 14 Nov 78

The regional distribution of immunoreactive beta-endorphin in the monkey brain. Matsukura S, et al. **Brain Res** 159(1):228-33, 22 Dec 78

Interaction of des-tyrosine-gamma-endorphin (DTgammaE, beta-LPH62-77) with neuroleptic binding sites in various areas of rat brain. van Ree JM, et al. **Eur J Pharmacol** 52(3-4):411-3, 1 Dec 78

Elucidation of the receptor-bound conformation of the enkephalins. Gorin FA, et al. **J Supramol Struct** 9(1):27-39, 1978

[D-Alanine2]-methionine enkephalinamide binding to rat brain slices: differences from opiate alkaloid binding and reduction by chronic morphine treatment. Davis ME, et al. **Life Sci** 23(27-28):2675-80, 31 Dec 78

Rapid degradation of [3H]leucine-enkephalin by intact neuroblastoma cells. Hazum E, et al. **Life Sci** 24(2):137-44, 8 Jan 79

Basal and potassium stimulated, calcium dependent, endorphins release from pituitary cells. Simantov R. **Life Sci** 23(25):2503-8, 18 Dec 78

Interaction of enkephalin with opiate receptors in intact cultured cells. Chang KJ, et al. **Mol Pharmacol** 14(6):961-70, Nov 78

An immunohistochemical and radioimmunological study of the distribution of [met5]- and [leu5]-enkephalin in the gastrointestinal tract. Linnoila RI, et al. **Neuroscience** 3(12):1187-96, 1978

Enkephalin-like immunoreactivity in gland cells and nerve terminals of the adrenal medulla. Schultzberg M, et al. **Neuroscience** 3(12):1169-86, 1978

Pituitary somatotrophs contain [Met]enkephalin-like immunoreactivity. Weber E, et al. **Proc Natl Acad Sci USA** 75(12):6134-8, Dec 78

Dopamine supersensitivity, endorphin excess, and prostaglandin E1 deficiency: three aspects of the same schizophrenic elephant. Horrobin DF. **Schizophr Bull** 4(4):487-8, 1978

Enkephalins and endorphins. Miller RJ, et al. **Vitam Horm** 36:297-382, 1978 (258 ref.)

[Rational utilization of physical medicine in rheumatology] Franchimont P. **Rev Med Liege** 33(23):827-38, 1 Dec 78 **(Fre)**

PHARMACODYNAMICS

Endorphins: physiology and clinical implications. Goldstein A. **Ann NY Acad Sci** 311:49-58, 1978

Some observations on the opiate peptides and schizophrenia. Watson SJ, et al. **Arch Gen Psychiatry** 36(1):35-41, Jan 79 (85 ref.)

Endogenous opiates and behavioral responses to environmental novelty. Katz RJ, et al. **Behav Biol** 24(3):338-48, Nov 78

beta-Endorphin: complete primary structure is required for full analgesic activity. Li CH, et al. **Biochem Biophys Res Commun** 85(2):795-800, 29 Nov 78

Effects of enkephalins on arterial blood pressure are reduced by propranolol. Simon W, et al. **Clin Sci Mol Med** 55 Suppl 4:237s-241s, Dec 78

Single-dose tolerance to antinociception, and physical dependence on beta-endorphin in mice. Huidobro-Toro JP, et al. **Eur J Pharmacol** 52(2):179-89, 15 Nov 78

Prolactin and growth hormone releasing activity of [D-Met2, Pro5]-enkephalinamide in the rat after systemic administration. Locatelli V, et al. **Experientia** 34(12):1650-1, 15 Dec 78

Effect of substance P, neurotensin and the enkephalins on somatostatin release from the rat hypothalamus in vitro. Sheppard MC, et al. **J Neurochem** 32(2):647-9, Feb 79

Adrenal steroids indirectly modulate morphine and beta-endorphin effects. Holaday JW, et al. **J Pharmacol Exp Ther** 208(2):176-83, Feb 79

Opiate receptor agonists as modulators of gamma-aminobutyric acid turnover in the nucleus caudatus, globus pallidus and substantia nigra of the rat. Moroni F, et al. **J Pharmacol Exp Ther** 207(3):870-7, Dec 78

On the regulation of gamma-aminobutyric acid neurons in caudatus, pallidus and nigra: effects of opioids and dopamine agonists. Moroni F, et al. **J Pharmacol Exp Ther** 208(2):190-4, Feb 79

Differential effects of leucine and methionine enkephalin on morphine-induced analgesia, acute tolerance and dependence. Vaught JL, et al. **J Pharmacol Exp Ther** 208(1):86-90, Jan 79

Morphine and beta-endorphin influence the secretion of the endocrine pancreas. Ipp E, et al. **Nature** 276(5684):190-1, 9 Nov 78

The brain as an endocrine organ. Guillemin R. **Neurosci Res Program Bull** 16 Suppl:1-25, Aug 78 (58 ref.)

Enkephalin and other peptides reduce passiveness. Kastin AJ, et al. **Pharmacol Biochem Behav** 9(4):515-9, Oct 78

Behavioral effects of D-Ala2-beta-endorphin in squirrel monkeys. Olson GA, et al. **Pharmacol Biochem Behav** 9(5):687-91, Nov 78

EEG and clinical profile of a synthetic analogue of methionine-enkephalin - FK 33-824. Krebs E, et al. **Pharmakopsychiatr Neuropsychopharmakol** 12(1):86-93, Jan 79

beta-Endorphin induces nonconvulsive limbic seizures. Henriksen SJ, et al. **Proc Natl Acad Sci USA** 75(10):5221-5, Oct 78

Systemic administration of beta-endorphin: potent hypotensive effect involving a serotonergic pathway. Lemaire I, et al. **Proc Natl Acad Sci USA** 75(12):6240-2, Dec 78

Psychopharmacologically significant peptides. Li CH. **Psychopharmacol Bull** 15(1):52, Jan 79

Enkephalins and endorphins. Miller RJ, et al. **Vitam Horm** 36:297-382, 1978 (258 ref.)

[Endorphins and their significance for psychopathology] van Ree JM, et al. **Ned Tijdschr Geneeskd** 123(9):327-34, 3 Mar 79 (58 ref.) (Eng. Abstr.) **(Dut)**

PHYSIOLOGY

Chemical mechanisms in pain modulation. Wahlström A. **Acta Anaesthesiol Scand [Suppl]** (70):119-23, 1978

Scientific advance in acupuncture. Wei LY. **Am J Chin Med** 7(1):53-75, Spring 78 (120 ref.)

Recent developments in chemotherapy of narcotic addiction, 3-4 November 1977, Washington, D.C.: proceedings. **Ann NY Acad Sci** 311:1-315, 1978

Endorphins: physiology and clinical implications. Goldstein A. **Ann NY Acad Sci** 311:49-58, 1978

Basic mechanisms in narcotic tolerance and physical dependence. Way EL. **Ann NY Acad Sci** 311:61-8, 1978 (42 ref.)

Naloxone and intestinal motility. Howd RA, et al.

Experientia 34(10):1310–1, 15 Oct 78
Beta-lipotropin and endorphins: implications of current knowledge. Guillemin R. **Hosp Pract** 13(11):53–60, Nov 78
Speculations on similarities between autism and opiate addiction [letter] Kalat JW. **J Autism Child Schizophr** 8(4):477–9, Dec 78
Involvement of endorphins in emotional hyperthermia of rats. Bläsig J, et al. **Life Sci** 23(25):2525–31, 18 Dec 78
Psychoendocrinology. de la Fuente JR, et al. **Mayo Clin Proc** 54(2):109–18, Feb 79 (95 ref.)
Evidence for a role of endorphins in stress- and suckling-induced prolactin release in the rat. Ferland L, et al. **Mol Cell Endocrinol** 12(3):267–72, Dec 78
Enkephalins and endorphins. Miller RJ, et al. **Vitam Horm** 36:297–382, 1978 (258 ref.)
[Endorphins and their significance for psychopathology] van Ree JM, et al. **Ned Tijdschr Geneeskd** 123(9):327–34, 3 Mar 79 (58 ref.) (Eng. Abstr.) **(Dut)**
[Brain oligopeptides--analgesic peptides, stimulators of memory and sleep] Ashmarin IP, et al. **Mol Biol (Mosk)** 12(5):965–79, Sep-Oct 78 (80 ref.) (Eng. Abstr.) **(Rus)**

SECRETION

Beta-lipotropin and endorphins: implications of current knowledge. Guillemin R. **Hosp Pract** 13(11):53–60, Nov 78
Coordinate control of corticotropin, beta-lipotropin, and beta-endorphin release in mouse pituitary cell cultures. Allen RG, et al. **Proc Natl Acad Sci USA** 75(10):4972–6, Oct 78
Corticotropin, lipotropin, and beta-endorphin production by a human nonpituitary tumor in culture: evidence for a common precursor. Bertagna XY, et al. **Proc Natl Acad Sci USA** 75(10):5160–4, Oct 78

THERAPEUTIC USE

Improvement of schizophrenic patients treated with [des-Tyr1]-gamma-endorphin (DTgammaE). Verhoeven WM, et al. **Arch Gen Psychiatry** 36(3):294–8, Mar 79
[Endorphins and their significance for psychopathology] van Ree JM, et al. **Ned Tijdschr Geneeskd** 123(9):327–34, 3 Mar 79 (58 ref.) (Eng. Abstr.) **(Dut)**

ENKEPHALINS

Unsulfated C-terminal 7-peptide of cholecystokinin: a new ligand of the opiate receptor. Schiller PW, et al. **Biochem Biophys Res Commun** 85(4):1332–8, 29 Dec 78
Spontaneous inactivation of enkephalin. Vogel Z, et al. **Biochem Biophys Res Commun** 85(1):226–33, 14 Nov 78
Is 'enkephalinase' identical with 'angiotensin-converting enzymes'? Swerts JP, et al. **Eur J Pharmacol** 53(2):209–10, 1 Jan 79
A stereochemically-constrained enkephalin analog. alpha-Aminoisobutyryl2 methionine5 enkephalinamide. Nagaraj R, et al. **FEBS Lett** 96(2):273–6, 15 Dec 78
Elucidation of the receptor-bound conformation of the enkephalins. Gorin FA, et al. **J Supramol Struct** 9(1):27–39, 1978

ADMINISTRATION & DOSAGE

Effects of enkephalins on arterial blood pressure are reduced by propranolol. Simon W, et al. **Clin Sci Mol Med** 55 Suppl 4:237s–241s, Dec 78
Prolactin and growth hormone releasing activity of [D-Met2, Pro5]-enkephalinamide in the rat after systemic administration. Locatelli V, et al. **Experientia** 34(12):1650–1, 15 Dec 78
Self-administration of an enkephalin analog by rhesus monkey. Mello NK, et al. **Pharmacol Biochem Behav** 9(5):579–86, Nov 78

ADVERSE EFFECTS

EEG and clinical profile of a synthetic analogue of methionine-enkephalin - FK 33-824. Krebs E, et al. **Pharmakopsychiatr Neuropsychopharmakol** 12(1):86–93, Jan 79

ANALYSIS

Distribution of methionine- and leucine-enkephalin within the rat pituitary gland measured by highly specific radioimmunoassays. Duka T, et al. **Biochem Biophys Res Commun** 85(3):1119–27, 14 Dec 78
An immunohistochemical and radioimmunological study of the distribution of [met5]- and [leu5]-enkephalin in the gastrointestinal tract. Linnoila RI, et al. **Neuroscience** 3(12):1187–96, 1978
Enkephalins and endorphins. Miller RJ, et al. **Vitam Horm** 36:297–382, 1978 (258 ref.)
[Presence of substances immunoreactively related to enkephalin in an insect, Locusta migratoria] Gros C, et al. **C R Acad Sci [D] (Paris)** 287(6):647–50, 25 Sep 78 (Eng. Abstr.) **(Fre)**

ANTAGONISTS & INHIBITORS

Antagonistic effect of compound 48/80 on the inhibitory actions of morphine and methionine-enkephalin on electrically-induced contractions of the guinea-pig ileum. Kamikawa Y, et al. **Br J Pharmacol** 64(4):511–8, Dec 78
Effects of enkephalins on arterial blood pressure are reduced by propranolol. Simon W, et al. **Clin Sci Mol Med** 55 Suppl 4:237s–241s, Dec 78
In vivo antagonism by naloxone of morphine, beta-endorphin and a synthetic enkephalin analog. Székely JI, et al. **J Pharmacol Exp Ther** 207(3):878–83, Dec 78
Activity of VIP, somatostatin and other peptides in the mouse vas deferens assay. Kastin AJ, et al. **Pharmacol Biochem Behav** 9(5):673–6, Nov 78

CEREBROSPINAL FLUID

In vivo interaction of morphine and endogenous opiate-like peptides. Bergmann F, et al. **Life Sci** 23(26):2601–8, 25 Dec 78
Stimulation of human periaqueductal gray for pain relief increases immunoreactive beta-endorphin in ventricular fluid. Hosobuchi Y, et al. **Science** 203(4377):279–81, 19 Jan 79

CHEMICAL SYNTHESIS

D-Ala2, deltaZPhe4-methionine enkephalin amide, a dehydropeptide hormone. English ML, et al. **Biochem Biophys Res Commun** 85(2):780–2, 29 Nov 78
A stereochemically-constrained enkephalin analog. alpha-Aminoisobutyryl2 methionine5 enkephalinamide. Nagaraj R, et al. **FEBS Lett** 96(2):273–6, 15 Dec 78

IMMUNOLOGY

In vivo interaction of morphine and endogenous opiate-like peptides. Bergmann F, et al. **Life Sci** 23(26):2601–8, 25 Dec 78
Pituitary somatotrophs contain [Met]enkephalin-like immunoreactivity. Weber E, et al. **Proc Natl Acad Sci USA** 75(12):6134–8, Dec 78
[Presence of substances immunoreactively related to enkephalin in an insect, Locusta migratoria] Gros C, et al. **C R Acad Sci [D] (Paris)** 287(6):647–50, 25 Sep 78 (Eng. Abstr.) **(Fre)**

METABOLISM

Opiate receptors: some anatomical and physiological aspects. Kuhar MJ. **Ann NY Acad Sci** 311:35–48, 1978 (24 ref.)
Unsulfated C-terminal 7-peptide of cholecystokinin: a new ligand of the opiate receptor. Schiller PW, et al. **Biochem Biophys Res Commun** 85(4):1332–8, 29 Dec 78
Spontaneous inactivation of enkephalin. Vogel Z, et al. **Biochem Biophys Res Commun** 85(1):226–33, 14 Nov 78
Vasoactive peptidergic nerves in the brain. pp. 285–93. Hanko JH, et al. **In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.** (31 ref.)
Elucidation of the receptor-bound conformation of the enkephalins. Gorin FA, et al. **J Supramol Struct** 9(1):27–39, 1978
[D-Alanine2]-methionine enkephalinamide binding to rat brain slices: differences from opiate alkaloid binding and reduction by chronic morphine treatment. Davis ME, et al. **Life Sci** 23(27–28):2675–80, 31 Dec 78
Rapid degradation of [3H]leucine-enkephalin by intact neuroblastoma cells. Hazum E, et al. **Life Sci** 24(2):137–44, 8 Jan 79
Interaction of enkephalin with opiate receptors in intact cultured cells. Chang KJ, et al. **Mol Pharmacol** 14(6):961–70, Nov 78
Receptors, neurotransmitters and drug responses. Snyder SH. **N Engl J Med** 300(9):465–72, 1 Mar 79 (61 ref.)
An immunohistochemical and radioimmunological study of the distribution of [met5]- and [leu5]-enkephalin in the gastrointestinal tract. Linnoila RI, et al. **Neuroscience**

3(12):1187–96, 1978
Enkephalin-like immunoreactivity in gland cells and nerve terminals of the adrenal medulla. Schultzberg M, et al. **Neuroscience** 3(12):1169–86, 1978
Pituitary somatotrophs contain [Met]enkephalin-like immunoreactivity. Weber E, et al. **Proc Natl Acad Sci USA** 75(12):6134–8, Dec 78
Enkephalins and endorphins. Miller RJ, et al. **Vitam Horm** 36:297–382, 1978 (258 ref.)

PHARMACODYNAMICS

Endogenous opiates and behavioral responses to environmental novelty. Katz RJ, et al. **Behav Biol** 24(3):338–48, Nov 78
D-Ala2, deltaZPhe4-methionine enkephalin amide, a dehydropeptide hormone. English ML, et al. **Biochem Biophys Res Commun** 85(2):780–2, 29 Nov 78
Effects of enkephalins on arterial blood pressure are reduced by propranolol. Simon W, et al. **Clin Sci Mol Med** 55 Suppl 4:237s–241s, Dec 78
Substance P and opioid interaction on stimulated and non-stimulated guinea pig ileum. Chipkin RE, et al. **Eur J Pharmacol** 53(1):21–7, 15 Dec 78
Prolactin and growth hormone releasing activity of [D-Met2, Pro5]-enkephalinamide in the rat after systemic administration. Locatelli V, et al. **Experientia** 34(12):1650–1, 15 Dec 78
A stereochemically-constrained enkephalin analog. alpha-Aminoisobutyryl2 methionine5 enkephalinamide. Nagaraj R, et al. **FEBS Lett** 96(2):273–6, 15 Dec 78
Vasodilatation caused by peripheral inhibition of adrenergic neurotransmission. pp. 248–57. McGrath MA, et al. **In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.** (46 ref.)
Effect of substance P, neurotensin and the enkephalins on somatostatin release from the rat hypothalamus in vitro. Sheppard MC, et al. **J Neurochem** 32(2):647–9, Feb 79
Differential effects of leucine and methionine enkephalin on morphine-induced analgesia, acute tolerance and dependence. Vaught JL, et al. **J Pharmacol Exp Ther** 208(1):86–90, Jan 79
Enkephalin and other peptides reduce passiveness. Kastin AJ, et al. **Pharmacol Biochem Behav** 9(4):515–9, Oct 78
EEG and clinical profile of a synthetic analogue of methionine-enkephalin - FK 33-824. Krebs E, et al. **Pharmakopsychiatr Neuropsychopharmakol** 12(1):86–93, Jan 79
beta-Endorphin induces nonconvulsive limbic seizures. Henriksen SJ, et al. **Proc Natl Acad Sci USA** 75(10):5221–5, Oct 78
Enkephalins and endorphins. Miller RJ, et al. **Vitam Horm** 36:297–382, 1978 (258 ref.)
[Presynaptic receptor systems in central noradrenergic neurons] Taube HD. **Fortschr Med** 97(2):61–4, 11 Jan 79 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Endogenous pain control mechanisms: review and hypothesis. Basbaum AI, et al. **Ann Neurol** 4(5):451–62, Nov 78 (96 ref.)
Vasoactive peptidergic nerves in the brain. pp. 285–93. Hanko JH, et al. **In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.** (31 ref.)
Speculations on similarities between autism and opiate addiction [letter] Kalat JW. **J Autism Child Schizophr** 8(4):477–9, Dec 78
Enkephalins and endorphins. Miller RJ, et al. **Vitam Horm** 36:297–382, 1978 (258 ref.)
[Brain oligopeptides--analgesic peptides, stimulators of memory and sleep] Ashmarin IP, et al. **Mol Biol (Mosk)** 12(5):965–79, Sep-Oct 78 (80 ref.) (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

EEG and clinical profile of a synthetic analogue of methionine-enkephalin - FK 33-824. Krebs E, et al. **Pharmakopsychiatr Neuropsychopharmakol** 12(1):86–93, Jan 79

HYPOTHALAMIC HORMONES

PHYSIOLOGY

Mechanism of action of hypothalamic hormones in the anterior pituitary gland and specific modulation of their activity by sex steroids and thyroid hormones. Labrie F, et al. **Recent Prog Horm Res** 34:25–93, 1978 (175 ref.)

LH-FSH RELEASING HORMONE

Studies on modification of tryptophan, methionine, tyrosine and arginine residues of human follicle-stimulating hormone and its subunits. Rathnam P, et al. **Biochim Biophys Acta** 576(1):81–7, 25 Jan 79

ADMINISTRATION & DOSAGE

[Gonadotropin secretion in patients with testicular feminization] Valkov I, et al. **Zentralbl Gynaekol** 100(21):1399–402, 1978 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

Gonadotropin and testosterone secretion in normal human males after stimulation with gonadotropin-releasing hormone (GnRH) or potent GnRH analogs using different modes of application. Happ J, et al. **Fertil Steril** 30(6):666–73, Dec 78
Gonadotropin secretion in eugonadotropic human males and postmenopausal females under long-term application of a potent analog of gonadotropin-releasing hormone. Happ J, et al. **Fertil Steril** 30(6):674–8, Dec 78
Activity of a new analogue of luteinizing hormone releasing hormone, ICI 118630, on the growth of rat mammary tumours [proceedings] Nicholson RI, et al. **J Endocrinol** 79(2):51P–52P, Nov 78
Biological activity of fragments of a highly active luteinizing hormone releasing hormone analogue [proceedings] Sandow J, et al. **J Endocrinol** 79(2):56P, Nov 78

ANALYSIS

Neurobiology of centrally-acting peptides. pp. 209–28. Martin JB, et al. **In: den Hartog Jager, WA, et al., ed. Neurology. Amsterdam, Excerpta Medica, 1978. W3 EX89 no.434 1978.** (81 ref.)
Effect of clomiphene on the restoration of ovulation in androgen-sterile rats. Baranov VG, et al. **Neurosci Behav Physiol** 8(4):271–4, Oct-Dec 77

ANTAGONISTS & INHIBITORS

An antiovulatory decapeptide of higher potency which has an L-amino acid (Ac-Pro) in position 1. Humphries J, et al. **Biochem Biophys Res Commun** 85(2):709–13, 29 Nov 78

BIOSYNTHESIS

Pituitary and placental gonadotrophins and sex steroids in the human and sub-human primate fetus. Kaplan SL, et al. **Clin Endocrinol Metab** 7(3):487–511, Nov 78 (114 ref.)

BLOOD

Werner's syndrome: in vivo and in vitro characteristics as a model of aging. Nakao Y, et al. **Am J Med** 65(6):919–32, Dec 78

CEREBROSPINAL FLUID

Estradiol potentiation of hypothalamic uptake of LH-RH from the CSF. Recabarren SE, et al. **Neuroendocrinology** 27(1-2):1–8, 1978

DIAGNOSTIC USE

Cytogenetic and endocrine studies in a 45,X female subject with spontaneous sexual development. Lisker R, et al. **Am J Obstet Gynecol** 133(2):149–53, 15 Jan 79
Effect of dexamethasone and testosterone propionate on LH response to gonadoliberin (LRH) in young post-pubertal bulls. Chantaraprateep P, et al. **Andrologia** 11(1):25–32, Jan 79
Research in reproductive hormones. Butt WR. **Ann Clin Biochem** 16(1):1–5, Jan 79
Plasma gonadotrophins and LHRH infusions in anorexia nervosa. Beumont PJ, et al. **Aust NZ J Med** 8(5):509–14, Oct 78
Serum prolactin and gonadotrophin levels before and after luteinizing hormone-releasing hormone in the investigation of amenorrhoea. Bergh T, et al. **Br J Obstet Gynaecol** 85(12):945–56, Dec 78

Differential response to LHRH following oestrogen therapy in women with amenorrhoea. Shaw RW.
Br J Obstet Gynaecol 86(1):69–75, Jan 79

Pituitary–testicular axis in diabetic men with and without sexual impotence. Daubresse JC, et al. **Diabete Metab** 4(4):233–7, Dec 78

On the correlation between FSH, LH and prolactin serum levels. Krause W. **Endokrinologie** 72(2):129–35, May 78

Hydrocephalus and amenorrhea. Jawadi MH, et al.
Obstet Gynecol 53(2):263–6, Feb 79

Pituitary and ovarian function in women with congenitally absent uterus. Ylikorkala O, et al. **Obstet Gynecol** 53(1):137–9, Jan 79

Gonadotropin receptors and regulation of steroidogenesis in the testis and ovary. Dufau ML, et al. **Vitam Horm** 36:461–592, 1978 (269 ref.)

[Dynamic study of the hypothalomo–hypophyseal–gonadal axis in patients with Klinefelter's syndrome] Maleeva A. **Vutr Boles** 17(6):56–62, 1978 (Eng. Abstr.) **(Bul)**

[The heterogeneity of micropolycystic ovary syndrome. 77 cases (author's transl)] Bremond A, et al.
Nouv Presse Med 7(41):3733–6, 25 Nov 78 (Eng. Abstr.) **(Fre)**

[The changes in serum levels of FSH, LH, LHalpha and beta-subunit, and prolactin and their responses to synthetic LH-RH and TRH in normal subjects with aging (author's transl)] Wasada T. **Fukuoka Igaku Zasshi** 69(12):506–18, 25 Dec 78 (Eng. Abstr.) **(Jpn)**

[Idiopathic varicocele. Report 2. Fertility after high ligation (author's transl)] Okuyama A.
Nippon Hinyokika Gakkai Zasshi 69(10):1314–20, Oct 78 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

The functional and structural border between the CSF- and blood-milieu in the circumventricular organs (organum vasculosum laminae terminalis, subfornical organ, area postrema) of the rat. Krisch B, et al. **Cell Tissue Res** 195(3):485–97, 29 Dec 78

Manipulation of female growth and efficiency of food utilization. 2. The effects of auto-immunity to luteinizing hormone releasing hormone (LHRH) on growth and food utilization [proceedings] Perry BN, et al. **Proc Nutr Soc** 37(3):109A, Dec 78

Delayed puberty after immunological blockade of endogenous LH–RH in female rats. Bercu BB, et al.
Proc Soc Exp Biol Med 160(1):123–5, Jan 79

METABOLISM

In vivo and in vitro studies on the appearance of LHRH neurons in the hypothalamus of perinatal rats. Daikoku S, et al. **Cell Tissue Res** 194(3):433–45, 12 Dec 78

Biological activity of fragments of a highly active luteinizing hormone releasing hormone analogue [proceedings] Sandow J, et al. **J Endocrinol** 79(2):56P, Nov 78

Estradiol potentiation of hypothalamic uptake of LH-RH from the CSF. Recabarren SE, et al. **Neuroendocrinology** 27(1–2):1–8, 1978

Neuronal fields containing luteinizing hormone releasing hormone (LHRH) in mouse brain. Hoffman GE, et al.
Neuroscience 3(2):219–31, 1978

PHARMACODYNAMICS

Gonadotropin profiles in fed and fasted obese women. Newmark SR, et al. **Am J Obstet Gynecol** 133(1):75–80, 1 Jan 79

Involvement of cGMP in LHRH-stimulated gonadotropin release. Naor Z, et al. **Am J Physiol** 235(6):E586–90, Dec 78

Ultrastructural classification of three different rat gonadotrophs after LH–RH stimulation. Seinsch W, et al. **Anat Histol Embryol** 7(4):300–10, Dec 78

Gonadotrophic hormones and testicular descent.
Colenbrander B, et al. **Arch Androl** 1(2):131–7, 1978

Effect of LH–RH loading in subfertile men. Sas M, et al. **Arch Androl** 1(2):153–62, 1978

Ultrastructure of rat pinealocytes in vitro: influence of gonadotropic hormones and LH–RH. Karasek M, et al. **Cell Tissue Res** 195(3):547–56, 29 Dec 78

Effect of epimestrol on gonadotropin and prolactin plasma levels and response to luteinizing hormone-releasing hormone/thyrotropin-releasing hormone in secondary amenorrhea and oligomenorrhea. Genazzani AR, et al.
Fertil Steril 30(6):654–60, Dec 78

Gonadotropin and testosterone secretion in normal human males after stimulation with gonadotropin-releasing hormone (GnRH) or potent GnRH analogs using different modes of application. Happ J, et al. **Fertil Steril** 30(6):666–73, Dec 78

Gonadotropin secretion in eugonadotropic human males and postmenopausal females under long-term application of a potent analog of gonadotropin-releasing hormone. Happ J, et al. **Fertil Steril** 30(6):674–8, Dec 78

Neurobiology of centrally-acting peptides. pp. 209–28.
Martin JB, et al.
In: den Hartog Jager, WA, et al., ed. Neurology. Amsterdam, Excerpta Medica, 1978. W3 EX89 no.434 1978. (81 ref.)

Testicular steroid secretion in response to GnRH-mediated LH and FSH release in bulls. Schanbacher BD, et al.
J Anim Sci 47(2):514–20, Aug 78

Effects of ethanol on the hypothalamic–pituitary–luteinizing hormone axis and testicular steroidogenesis. Cicero TJ, et al. **J Pharmacol Exp Ther** 208(2):210–5, Feb 79

Calcium as a second messenger in the stimulation of luteinizing hormone secretion. Hopkins CR, et al.
Mol Cell Endocrinol 12(2):189–208, Nov 78

Dissociation of the porcine anterior pituitary: the kinetics of luteinizing hormone release in response to luteinizing hormone-releasing hormone. Walker AM, et al.
Mol Cell Endocrinol 12(2):177–87, Nov 78

Pituitary response to LHRH in midtrimester pregnancy. Sowers JR, et al. **Obstet Gynecol** 52(6):685–8, Dec 78

Manipulation of female growth and efficiency of food utilization. 2. The effects of auto-immunity to luteinizing hormone releasing hormone (LHRH) on growth and food utilization [proceedings] Perry BN, et al. **Proc Nutr Soc** 37(3):109A, Dec 78

In vitro analysis of the participation of oxytocin and vasopressin in the gonadotropin releasing hormone-induced release of LH. Caffrey MH, et al.
Proc Soc Exp Biol Med 159(3):444–8, Dec 78

Pituitary response to TRH and LHRH in spontaneously hypertensive rats. Sowers JR, et al.
Proc Soc Exp Biol Med 159(3):397–9, Dec 78

Mechanism of action of hypothalamic hormones in the anterior pituitary gland and specific modulation of their activity by sex steroids and thyroid hormones. Labrie F, et al. **Recent Prog Horm Res** 34:25–93, 1978 (175 ref.)

Abnormal growth hormone responses to CB–154 and thyrotropin-releasing hormone (TRH) in patients with acromegaly. Hanew K, et al. **Tohoku J Exp Med** 127(1):53–62, Jan 79

[Inhibition of LH–RH induced release of gonadotropins by substance P in cultured rat anterior pituitary cells] Kerdelhué B, et al. **C R Acad Sci [D] (Paris)** 287(9):879–82, 16 Oct 78 (Eng. Abstr.) **(Fre)**

[The effect of steroid hormones: oestrogens and progesterone, chorionic gonadotrophin and LH–releasing factor on the structure of filtration angle and intraocular tension in rabbits (author's transl)] Gierkowa A, et al. **Klin Oczna** 48(12):643–5, Dec 78 (Eng. Abstr.) **(Pol)**

[Interrelationship between the pineal gland and the hypothalamo–hypophyseal complex. IV. Effect of pinealectomy on the luteinizing function of the rat pituitary] Krivosheev OG, et al. **Probl Endokrinol (Mosk)** 25(1):47–52, Jan–Feb 79 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Neuroendocrinology of the menstrual cycle in humans. Shaw RW. **Clin Endocrinol Metab** 7(3):531–59, Nov 78

Delayed puberty after immunological blockade of endogenous LH–RH in female rats. Bercu BB, et al.
Proc Soc Exp Biol Med 160(1):123–5, Jan 79

[Melatonin and gonadoliberin (LH–RH) cells in rat hypothalamus] Léonardelli J, et al. **C R Soc Biol (Paris)** 172(3):481–4, 1978 (Eng. Abstr.) **(Fre)**

SECRETION

[Growth hormone secretion in acromegaly after isolated and combined use of the insulin hypoglycemia, LH–RH and TRH test] Schneider KR, et al.
Verh Dtsch Ges Inn Med (84):1438–41, 1978 **(Ger)**

[A Paracanã Indian with idiopathic hypogonadotropic hypogonadism] Vieira Filho JP. **AMB** 24(10):363–4, Oct 78 (Eng. Abstr.) **(Por)**

THERAPEUTIC USE

Activity of a new analogue of luteinizing hormone releasing hormone, ICI 118630, on the growth of rat mammary tumours [proceedings] Nicholson RI, et al. **J Endocrinol** 79(2):51P–52P, Nov 78

MELATONIN

BIOSYNTHESIS

The human pineal. New approaches and prospects. Mullen PE, et al. **J Psychosom Res** 22(4):357–76, 1978

BLOOD

Melatonin in the maternal and umbilical circulations during human parturition. Mitchell MD, et al. **Br J Obstet Gynaecol** 86(1):29–31, Jan 79

Radioimmunoassayable melatonin in various species [proceedings] Arendt J, et al. **J Endocrinol** 79(2):25P–26P, Nov 78

The human pineal. New approaches and prospects. Mullen PE, et al. **J Psychosom Res** 22(4):357–76, 1978

METABOLISM

Differences in biological function between the blind and the sighted. Jan JE. **Dev Med Child Neurol** 20(5):668–70, Oct 78

Effect of one minute exposure to light at night on rat pineal serotonin N-acetyltransferase and melatonin. Illnerová H, et al. **J Neurochem** 32(2):673–5, Feb 79

[Disordered melatonin metabolism in chronic circulatory insufficiency] Rachinskiĭ ID. **Kardiologiia** 18(12):111–2, Dec 78 **(Rus)**

[Environment-dependent changes in melatonin and somatomedin B by Sweden–California transfer and back] Wetterberg L. **Lakartidningen** 76(4):205, 24 Jan 79 **(Swe)**

PHARMACODYNAMICS

Characterization of pinealectomy induced convulsions in the Mongolian gerbil (Meriones unguiculatus). Philo R, et al. **Epilepsia** 19(5):485–92, Oct 78

The effects of exogenous melatonin upon the gut of larval Xenopus laevis. Baker PC, et al. **Gen Pharmacol** 9(6):431–2, 1978

[Melatonin and gonadoliberin (LH-RH) cells in rat hypothalamus] Léonardelli J, et al. **C R Soc Biol (Paris)** 172(3):481–4, 1978 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Differences in biological function between the blind and the sighted. Jan JE. **Dev Med Child Neurol** 20(5):668–70, Oct 78

Pineal facilitation of territorial aggression [proceedings] Paterson AT, et al. **J Physiol (Lond)** 284:173P–174P, Nov 78

The human pineal. New approaches and prospects. Mullen PE, et al. **J Psychosom Res** 22(4):357–76, 1978

MSH RELEASE INHIBITING HORMONE

PHARMACODYNAMICS

Antagonism of morphine-induced catalepsy by L-prolyl-L-leucyl-glycinamide. Chiu S, et al. **Eur J Pharmacol** 53(2):119–25, 1 Jan 79

PITUITARY HORMONE RELEASING HORMONES

[Releasing hormones: a prospect (news)] **MMW** 121(4):121, 26 Jan 79 **(Ger)**

ADMINISTRATION & DOSAGE

Gonadotropin secretion in eugonadotropic human males and postmenopausal females under long-term application of a potent analog of gonadotropin-releasing hormone. Happ J, et al. **Fertil Steril** 30(6):674–8, Dec 78

Gonadotropin and testosterone secretion in normal human males after stimulation with gonadotropin-releasing hormone (GnRH) or potent GnRH analogs using different modes of application. Happ J, et al. **Fertil Steril** 30(6):666–73, Dec 78

[Therapy of cryptorchism using D-leu6-des-gly10-GnRH-ethylamide, a highly effective analog of gonadotropin-releasing hormone (GnRH=LH-RH)] Weber T, et al. **Cesk Pediatr** 33(10):613–4, Oct 78 (Eng. Abstr.) **(Cze)**

DIAGNOSTIC USE

Hypopituitarism and artificial ventilation. Barber SG. **Acta Endocrinol (Copenh)** 90(2):211–6, Feb 79

[Releasing hormones: a prospect (news)] **MMW** 121(4):121, 26 Jan 79 **(Ger)**

METABOLISM

[Indications for a somatic basis of schizophrenic diseases] Huber G. **MMW** 121(6):205–8, 9 Feb 79 **(Ger)**

PHARMACODYNAMICS

Gonadotropin response to synthetic gonadotropin hormone-releasing hormone (GnRH) in heroin addicts. Brambilla F, et al. **Am J Psychiatry** 136(3):314–7, Mar 79

LH and FSH response to gonadotropin releasing hormone (GnRH) in normospermic, oligospermic and azoospermic men. Bain J, et al. **Arch Androl** 1(2):147–52, 1978

Stimulation of estrogen and luteinizing hormone secretion in postpartum beef cows. Echternkamp SE. **J Anim Sci** 47(2):521–31, Aug 78

SECRETION

Developmental correlation between hypothalamic gonadotropin-releasing hormone and hypophysial luteinizing hormone. Gross DS, et al. **Am J Anat** 154(1):1–10, Jan 79

THERAPEUTIC USE

[Therapy of cryptorchism using D-leu6-des-gly10-GnRH-ethylamide, a highly effective analog of gonadotropin-releasing hormone (GnRH=LH-RH)] Weber T, et al. **Cesk Pediatr** 33(10):613–4, Oct 78 (Eng. Abstr.) **(Cze)**

[Releasing hormones: a prospect (news)] **MMW** 121(4):121, 26 Jan 79 **(Ger)**

PROLACTIN RELEASE INHIBITING HORMONE

METABOLISM

[Physiology of lactation and weaning. II] Brundin J. **Katilolehti** 83(11):418–21, Nov 78 **(Swe)**

PROLACTIN RELEASING HORMONE

Conversion of high molecular weight CRF (corticotropin-releasing factor) or PRF (prolactin-releasing factor) into lower molecular weight forms by boiling at low pH. Yasuda N, et al. **Biochem Biophys Res Commun** 85(4):1291–8, 29 Dec 78

PHARMACODYNAMICS

Conversion of high molecular weight CRF (corticotropin-releasing factor) or PRF (prolactin-releasing factor) into lower molecular weight forms by boiling at low pH. Yasuda N, et al. **Biochem Biophys Res Commun** 85(4):1291–8, 29 Dec 78

PHYSIOLOGY

[Comments on paper: 'Hypothalamic control hormones and their clinical significance' by L. Weisbecker (Wien. med. Wschr. 128, 1978:284)] Goischke HK, et al. **Wien Med Wochenschr** 128(24):766, 30 Dec 78 **(Ger)**

[Physiology of lactation and weaning. II] Brundin J. **Katilolehti** 83(11):418–21, Nov 78 **(Swe)**

SOMATOTROPIN RELEASE INHIBITING HORMONE

Insulin and glucagon secretion by islets isolated from fetal

and neonatal rats. Sodoyez-Goffaux F, et al. **Diabetologia** 16(2):121–3, Feb 79

ADMINISTRATION & DOSAGE

Subcutaneous administration of somatostatin analogs as a major factor in the enhancement of the duration of action. Torchiana ML, et al. **Arch Int Pharmacodyn Ther** 235(1):170–6, Sep 78

Central effect of somatostatin on the secretion of growth hormone in the anesthetized rat. Abe H, et al. **Proc Soc Exp Biol Med** 159(3):346–9, Dec 78

ANALOGS & DERIVATIVES

Differential effects of somatostatin analogues on alpha- and beta-cells of the pancreas. Taborsky GJ Jr, et al. **Am J Physiol** 236(2):E123–8, Feb 79

Subcutaneous administration of somatostatin analogs as a major factor in the enhancement of the duration of action. Torchiana ML, et al. **Arch Int Pharmacodyn Ther** 235(1):170–6, Sep 78

Selective inhibition of glucagon and insulin secretion by somatostatin analogs. Voyles NR, et al. **Proc Soc Exp Biol Med** 160(1):76–9, Jan 79

ANALYSIS

Immunocytochemical demonstration of somatostatin-containing neurons in the hypothalamus of the domestic mallard. Blähser S, et al. **Cell Tissue Res** 195(1):183–7, 14 Dec 78

Immunological and biochemical characterization of distinct high molecular weight forms of neurophysin and somatostatin in mouse hypothalamus extracts. Lauber M, et al. **FEBS Lett** 97(2):343–7, 15 Jan 79

Neurobiology of centrally-acting peptides. pp. 209–28. Martin JB, et al. **In: den Hartog Jager, WA, et al., ed. Neurology. Amsterdam, Excerpta Medica, 1978. W3 EX89 no.434 1978.** (81 ref.)

Distribution of putative neurotransmitters in the neocortex. Emson PC, et al. **Neuroscience** 4(1):1–30, 1979 (178 ref.)

Neurotensin--positive and somatostatin--positive cells in the canine gut. Ito S, et al. **Tohoku J Exp Med** 127(2):123–31, Feb 79

BLOOD

Development and validation of a specific radioimmunoassay for somatostatin in human plasma. Penman E, et al. **Ann Clin Biochem** 16(1):15–25, Jan 79

IMMUNOLOGY

Development and validation of a specific radioimmunoassay for somatostatin in human plasma. Penman E, et al. **Ann Clin Biochem** 16(1):15–25, Jan 79

Hypothalamic and extrahypothalamic distribution of somatostatin-immunoreactive elements in the rat brain. Krisch B. **Cell Tissue Res** 195(3):499–513, 29 Dec 78

Localization of somatostatin-like immunoreactivity in the Golgi apparatus of central and peripheral neurons. Johansson O. **Histochemistry** 58(3):167–76, 1 Dec 78

Autoimmunity in diabetics induced by hormonal contaminants of insulin. Bloom SR, et al. **Lancet** 1(8106):14–7, 6 Jan 79

Neurotensin--positive and somatostatin--positive cells in the canine gut. Ito S, et al. **Tohoku J Exp Med** 127(2):123–31, Feb 79

ISOLATION & PURIFICATION

Development and validation of a specific radioimmunoassay for somatostatin in human plasma. Penman E, et al. **Ann Clin Biochem** 16(1):15–25, Jan 79

Isolation of a porcine intestinal peptide with C-terminal somatostatin. Pradayrol L, et al. **Biochem Biophys Res Commun** 85(2):701–8, 29 Nov 78

A rapid method, using octadecasilyl-silica, for the extraction of certain peptides from tissues. Bennett HP, et al. **Biochem J** 175(3):1139–41, 1 Dec 78

Immunoreactive neurotensin and somatostatin in the chicken thymus. A chemical and histochemical study. Sundler F, et al. **Cell Tissue Res** 194(3):367–76, 12 Dec 78

The brain as an endocrine organ. Guillemin R. **Neurosci Res Program Bull** 16 Suppl:1–25, Aug 78 (58 ref.)

METABOLISM

Use of immunocytochemical staining of somatostatin for correlative light and electron microscopic investigation of D cells in the pancreatic islet of Xiphophorus helleri H. (Teleostei). Klein C, et al. **Cell Tissue Res** 194(3):399–404, 12 Dec 78

Immunoreactive neurotensin and somatostatin in the chicken thymus. A chemical and histochemical study. Sundler F, et al. **Cell Tissue Res** 194(3):367–76, 12 Dec 78

Virus-induced diabetes in mice: a quantitative evaluation of islet cell population by immunofluorescence technique. Stefan Y, et al. **Diabetologia** 15(5):395–401, Nov 78

Hormonal relationships of the endocrine pancreas in diabetes mellitus. Covinsky JO, et al. **J Am Med Wom Assoc** 34(1):12–3, 17–20, Jan 79

Anatomic and hormonal markers for the ventral primordium in the human pancreas? [letter] Malaisse-Lagae F, et al. **N Engl J Med** 300(8):436, 22 Feb 79

PHARMACODYNAMICS

Differential effects of somatostatin analogues on alpha- and beta-cells of the pancreas. Taborsky GJ Jr, et al. **Am J Physiol** 236(2):E123–8, Feb 79

Effects of nickel chloride and nickel carbonyl upon glucose metabolism in rats. Horak E, et al. **Ann Clin Lab Sci** 8(6):476–82, Nov-Dec 78

Subcutaneous administration of somatostatin analogs as a major factor in the enhancement of the duration of action. Torchiana ML, et al. **Arch Int Pharmacodyn Ther** 235(1):170–6, Sep 78

Plasma prolactin in juvenile diabetics. 24-h studies with somatostatin. Hanssen KF, et al. **Diabetologia** 15(5):369–71, Nov 78

Kinetics of somatostatin inhibition of pentagastrin-stimualted gastric acid secretion. Barbezat GO, et al. **Eur J Pharmacol** 53(3):255–9, 15 Jan 79

Neurobiology of centrally-acting peptides. pp. 209–28. Martin JB, et al. **In: den Hartog Jager, WA, et al., ed. Neurology. Amsterdam, Excerpta Medica, 1978. W3 EX89 no.434 1978.** (81 ref.)

Carcinoid Flush: role of gastrin and somatostatin [letter] **N Engl J Med** 300(11):624, 15 Mar 79

The brain as an endocrine organ. Guillemin R. **Neurosci Res Program Bull** 16 Suppl:1–25, Aug 78 (58 ref.)

Activity of VIP, somatostatin and other peptides in the mouse vas deferens assay. Kastin AJ, et al. **Pharmacol Biochem Behav** 9(5):673–6, Nov 78

Central effect of somatostatin on the secretion of growth hormone in the anesthetized rat. Abe H, et al. **Proc Soc Exp Biol Med** 159(3):346–9, Dec 78

Selective inhibition of glucagon and insulin secretion by somatostatin analogs. Voyles NR, et al. **Proc Soc Exp Biol Med** 160(1):76–9, Jan 79

Interrelationships between calcium, calcemic hormones and gastrointestinal hormones. Cooper CW, et al. **Recent Prog Horm Res** 34:259–83, 1978 (32 ref.)

Mechanism of action of hypothalamic hormones in the anterior pituitary gland and specific modulation of their activity by sex steroids and thyroid hormones. Labrie F, et al. **Recent Prog Horm Res** 34:25–93, 1978 (175 ref.)

[Effect of somatostatin on renin, aldosterone and blood pressure in unilateral renovascular hypertension] Arlart I, et al. **Verh Dtsch Ges Inn Med** (84):824–7, 1978 **(Ger)**

[Morphologic and functional studied on the effect of somatostatin on the small intestinal mucosa] Menge H, et al. **Verh Dtsch Ges Inn Med** (84):1011–4, 1978 **(Ger)**

[Biological properties of synthetic somatostatin] Iudaev NA, et al. **Probl Endokrinol (Mosk)** 25(1):75–9, Jan-Feb 79 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Thyrotropin releasing hormone, somatostatin, and galactorrhea [letter] DiNicola AF. **Am J Clin Nutr** 32(2):279–8, Feb 79

Monoaminergic modulation of pancreatic endocrine secretion. Jacoby JH, et al. **Gen Pharmacol** 9(6):411–9, 1978 (107 ref.)

Hormonal relationships of the endocrine pancreas in diabetes mellitus. Covinsky JO, et al. **J Am Med Wom Assoc** 34(1):12–3, 17–20, Jan 79

[Gastrointestinal hormones. Current knowledge] Feurle GE. **Med Klin** 74(5):121–4, 2 Feb 79 (15 ref.) **(Ger)**

[The etiopathogenesis and therapy of gastric and duodenal ulcer] Lattanzi A. **Clin Ter** 86(6):515–35, 30 Sep 78 (63 ref.) (Eng. Abstr.) **(Ita)**

SECRETION

Somatostatin and pancreatic polypeptide secretion: effects of glucagon, insulin, and arginine. Weir GC, et al. **Diabetes** 28(1):35–40, Jan 79

Effect of substance P, neurotensin and the enkephalins on

somatostatin release from the rat hypothalamus in vitro. Sheppard MC, et al. **J Neurochem** 32(2):647–9, Feb 79

THERAPEUTIC USE

Carcinoid Flush: role of gastrin and somatostatin [letter] **N Engl J Med** 300(11):624, 15 Mar 79

Somatostatin not helpful in bleeding esophageal varices [letter] Raptis S, et al. **N Engl J Med** 300(13):736–7, 29 Mar 79

The brain as an endocrine organ. Guillemin R. **Neurosci Res Program Bull** 16 Suppl:1–25, Aug 78 (58 ref.)

[The mechanism of action of new drugs in ulcer therapy] Simon B, et al. **Verh Dtsch Ges Inn Med** (84):984–7, 1978 **(Ger)**

SOMATOTROPIN RELEASING HORMONE

ADMINISTRATION & DOSAGE

Potentiation and inhibition of insulin release in man following priming with glucose and with arginine—effect of somatostatin. Efendić S, et al. **Acta Endocrinol (Copenh)** 90(2):259–71, Feb 79

PHARMACODYNAMICS

Potentiation and inhibition of insulin release in man following priming with glucose and with arginine—effect of somatostatin. Efendić S, et al. **Acta Endocrinol (Copenh)** 90(2):259–71, Feb 79

SECRETION

Morphine and beta-endorphin influence the secretion of the endocrine pancreas. Ipp E, et al. **Nature** 276(5684):190–1, 9 Nov 78

THERAPEUTIC USE

[The gonadotropin-resistant ovary syndrome] Ordas J, et al. **Acta Obstet Ginecol Hisp Lusit** 26(8):497–506, Nov 78 **(Spa)**

THYROTROPIN RELEASING HORMONE

The two conformations of TRH in solution. Vičar J, et al. **FEBS Lett** 97(2):275–8, 15 Jan 79

ADMINISTRATION & DOSAGE

Endocrine aspects of bromocriptine therapy in Parkinsonism. Shaw KM, et al. **J Neural Transm** 43(2):153–60, 1978

Change in brain guanosine 3',5'-monophosphate (cGMP) content by thyrotropin-releasing hormone. Mailman RB, et al. **J Pharmacol Exp Ther** 208(2):169–75, Feb 79

Oral T.R.H. for evaluation of patients with impaired response to intravenous T.R.H. [letter] Staub JJ, et al. **Lancet** 1(8109):209–10, 27 Jan 79

Administration of thyrotropin releasing hormone (TRH) to rats releases dopamine in n. accumbens but not n. caudatus. Heal DJ, et al. **Neuropharmacology** 18(1):23–31, Jan 79

Stimulus properties of thyrotropin-releasing hormone. Jones CN, et al. **Psychopharmacology (Berlin)** 59(3):217–24, 8 Dec 78

[Pituitary reserve of thyrotrophic hormone in hypothyroid children] Blaim A, et al. **Cesk Pediatr** 33(10):598–600, Oct 78 (Eng. Abstr.) **(Cze)**

ANALYSIS

Neurobiology of centrally-acting peptides. pp. 209–28. Martin JB, et al. **In: den Hartog Jager, WA, et al., ed. Neurology. Amsterdam, Excerpta Medica, 1978. W3 EX89 no.434 1978.** (81 ref.)

DIAGNOSTIC USE

Hypopituitarism and artificial ventilation. Barber SG. **Acta Endocrinol (Copenh)** 90(2):211–6, Feb 79

Effect of clomifene on thyroid function in normal men. Feldt-Rasmussen U, et al. **Acta Endocrinol (Copenh)** 90(1):43–51, Jan 79

Failure of the TRH test to predict the clinical course of patients in remission after antithyroid drug therapy for Graves' disease. Irvine WJ, et al. **Acta Endocrinol (Copenh)** 90(1):18–22, Jan 79

The dynamics of growth hormone and prolactin secretion in acromegalic patients with 'mixed' pituitary tumours. Lamberts SW, et al. **Acta Endocrinol (Copenh)** 90(2):198–210, Feb 79

Dual action of adrenergic system on the regulation of thyrotrophin secretion in the male rat. Männistö, et al. **Acta Endocrinol (Copenh)** 90(2):249–58, Feb 79

Hyperprolactinaemia in the spontaneously hypertensive rat. Sowers JR, et al. **Acta Endocrinol (Copenh)** 90(1):1–7, Jan 79

Basal and TRH-stimulated thyroid and pituitary hormones in various degrees of renal insufficiency. Weissel M, et al. **Acta Endocrinol (Copenh)** 90(1):23–32, Jan 79

Hyperprolactinemia and thyrotropin-releasing factor (TRH) responses in men with alcoholic liver disease. Van Thiel DH, et al. **Alcoholism (NY)** 2(4):344–8, Oct 78

Thyrotoxicosis during pregnancy. Pekonen F, et al. **Ann Chir Gynaecol** 67(5):165–73, 1978 (100 ref.)

Combined hypothalamic hypothyroidism and secondary adrenal insufficiency. Misdiagnosed as primary hypothyroidism. Farese RV, et al. **Arch Intern Med** 139(1):99–100, Jan 79

On the correlation between FSH, LH and prolactin serum levels. Krause W. **Endokrinologie** 72(2):129–35, May 78

Altered hypothalamic-pituitary function in uraemic patients [proceedings] Cowden EA, et al. **J Endocrinol** 79(2):48P–49P, Nov 78

Thyrotrophin-releasing-hormone test in phaeochromocytoma [letter] Linch DC, et al. **Lancet** 1(8109):210, 27 Jan 79

Oral T.R.H. for evaluation of patients with impaired response to intravenous T.R.H. [letter] Staub JJ, et al. **Lancet** 1(8109):209–10, 27 Jan 79

Effect of tri-iodothyronine replacement on the metabolic and pituitary responses to starvation. Gardner DF, et al. **N Engl J Med** 300(11):579–84, 15 Mar 79

Pituitary and ovarian function in women with congenitally absent uterus. Ylikorkala O, et al. **Obstet Gynecol** 53(1):137–9, Jan 79

Response to thyrotrophin-releasing hormone in atrial dysrhythmias. Symons C, et al. **Postgrad Med J** 54(636):658–62, Oct 78

Advances in endocrinology. Hardisty CA, et al. **Practitioner** 221(1324):499–503, Oct 78

[TRH test for efficient and rational thyroid diagnosis] Wenzel KW. **Dtsch Med Wochenschr** 104(7):229–34, 16 Feb 79 **(Ger)**

[Hyperthyroidism: diagnosis (author's transl)] Horster FA. **Langenbecks Arch Chir** 347:125–30, Nov 78 (Eng. Abstr.) **(Ger)**

[Practical experiences with the TRH rapid test in the diagnosis of thyroid function] Weiske R, et al. **Med Welt** 30(4):123–30, 26 Jan 79 **(Ger)**

[Clinical significance of 'sub- or preclinical' hyperthyroidism] Studer H, et al. **Schweiz Med Wochenschr** 108(51):2029–33, 23 Dec 78 (Eng. Abstr.) **(Ger)**

[Behavior of the thyrotropin reserve in subjects with 'hot' thyroid areas] Vattimo A, et al. **Boll Soc Ital Biol Sper** 54(2):137–40, 30 Jan 78 **(Ita)**

[Follow up studies of the antithyroid drug therapy for hyperthyroidism with special emphasis on the clinical usefulness of TRH and T3-suppression tests during treatment (author's transl)] Tamai H. **Fukuoka Igaku Zasshi** 69(11):486–94, Nov 78 (Eng. Abstr.) **(Jpn)**

[The changes in serum levels of FSH, LH, LHalpha and beta-subunit, and prolactin and their responses to synthetic LH-RH and TRH in normal subjects with aging (author's transl)] Wasada T. **Fukuoka Igaku Zasshi** 69(12):506–18, 25 Dec 78 (Eng. Abstr.) **(Jpn)**

[Clinical value of the TRH stimulation test] Diez Jiménez L, et al. **Rev Clin Esp** 151(6):479–81, 31 Dec 78 **(Spa)**

METABOLISM

Cell-surface receptors in health and disease. Blecher M. **Clin Chem** 25(1):11–9, Jan 79

Histamine-induced release of thyrotropin releasing hormone from hypothalamic slices. Charli JL, et al. **Eur J Pharmacol** 52(3–4):401–3, 1 Dec 78

Age-dependent changes in the inactivation of thyrotrophin releasing hormone by rat brain [proceedings] Griffiths EC, et al. **J Endocrinol** 79(2):59P–60P, Nov 78

PHARMACODYNAMICS

Hyperprolactinemia and thyrotropin-releasing factor (TRH) responses in men with alcoholic liver disease. Van Thiel

DH, et al. **Alcoholism (NY)** 2(4):344–8, Oct 78

Thermoregulation in rats: opposing effects of thyrotropin releasing hormone and its metabolite histidyl-proline diketopiperazine. Prasad C, et al. **Biochem Biophys Res Commun** 85(4):1582–7, 29 Dec 78

Effects of thyroliberin, triiodothyronine and cyclic guanosine 3'5'-monophosphate on the volume of nuclei of thyrotropic cells in rat anterior pituitary in vitro. Lewiński A. **Endokrinologie** 72(2):175–82, May 78

Antagonism of morphine-induced catalepsy by L-prolyl-L-leucyl-glycinamide. Chiu S, et al. **Eur J Pharmacol** 53(2):119–25, 1 Jan 79

A study of the changes in motor behaviour caused by TRH on intracerebral injection. Costall B, et al. **Eur J Pharmacol** 53(2):143–50, 1 Jan 79

Effect of epimestrol on gonadotropin and prolactin plasma levels and response to luteinizing hormone-releasing hormone/thyrotropin-releasing hormone in secondary amenorrhea and oligomenorrhea. Genazzani AR, et al. **Fertil Steril** 30(6):654–60, Dec 78

Neurobiology of centrally-acting peptides. pp. 209–28. Martin JB, et al. **In: den Hartog Jager, WA, et al., ed. Neurology. Amsterdam, Excerpta Medica, 1978. W3 EX89 no.434 1978.** (81 ref.)

Change in brain guanosine 3',5'-monophosphate (cGMP) content by thyrotropin-releasing hormone. Mailman RB, et al. **J Pharmacol Exp Ther** 208(2):169–75, Feb 79

The action of thyrotropin-releasing hormone, substance P and related peptides on frog spinal motoneurons. Nicoll RA. **J Pharmacol Exp Ther** 207(3):817–24, Dec 78

Effects of thyrotropin-releasing hormone on locomotor activity, operant performance and ingestive behavior. Vogel RA, et al. **J Pharmacol Exp Ther** 208(2):161–8, Feb 79

Effect of TRH and dopamine on cyclic AMP levels in enriched mammotroph and thyrotroph cells. Barnes GD, et al. **Mol Cell Endocrinol** 12(3):273–84, Dec 78

Administration of thyrotropin releasing hormone (TRH) to rats releases dopamine in n. accumbens but not n. caudatus. Heal DJ, et al. **Neuropharmacology** 18(1):23–31, Jan 79

Pituitary response to TRH and LHRH in spontaneously hypertensive rats. Sowers JR, et al. **Proc Soc Exp Biol Med** 159(3):397–9, Dec 78

Stimulus properties of thyrotropin-releasing hormone. Jones CN, et al. **Psychopharmacology (Berlin)** 59(3):217–24, 8 Dec 78

Mechanism of action of hypothalamic hormones in the anterior pituitary gland and specific modulation of their activity by sex steroids and thyroid hormones. Labrie F, et al. **Recent Prog Horm Res** 34:25–93, 1978 (175 ref.)

Abnormal growth hormone responses to CB-154 and thyrotropin-releasing hormone (TRH) in patients with acromegaly. Hanew K, et al. **Tohoku J Exp Med** 127(1):53–62, Jan 79

[Serum levels of pituitary thyrotropin during estrogen administration in males] Zaninovich AA, et al. **Medicina (B Aires)** 38(4):347–51, Jul-Aug 78 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Thyrotropin releasing hormone, somatostatin, and galactorrhea [letter] DiNicola AF. **Am J Clin Nutr** 32(2):279–8, Feb 79

SECRETION

Neurobiology of centrally-acting peptides. pp. 209–28. Martin JB, et al. **In: den Hartog Jager, WA, et al., ed. Neurology. Amsterdam, Excerpta Medica, 1978. W3 EX89 no.434 1978.** (81 ref.)

[Growth hormone secretion in acromegaly after isolated and combined use of the insulin hypoglycemia, LH-RH and TRH test] Schneider KR, et al. **Verh Dtsch Ges Inn Med** (84):1438–41, 1978 **(Ger)**

CYCLIC NUCLEOTIDES

ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE

ANALOGS & DERIVATIVES

Influences of cyclic nucleotides on outflow facility in the vervet monkey. Neufeld AH. **Exp Eye Res** 27(4):387–97, Oct 78

Cyclic-AMP-induced differentiation in neuroblastoma is independent of cell division rate. Waymire JC, et al. **Nature** 276(5684):194–5, 9 Nov 78

ANALYSIS

Effects of alloxan on glucose-stimulated insulin secretion, glucose metabolism, and cyclic adenosine 3', 5'-monophosphate levels in rat isolated islets of langerhans. Zawalich WS, et al. **Diabetologia** 16(2):115–20, Feb 79

Cyclic nucleotide levels in psoriatic and normal keratomed epidermis. Marcelo CL, et al. **J Invest Dermatol** 72(1):20–4, Jan 79

Effects of local anesthesia on gingival cAMP levels. Grower MF, et al. **J Periodontol** 50(1):38–42, Jan 79

Cyclic nucleotide levels in brains of control and hypertensive rats. Volicer L, et al. **Life Sci** 24(2):131–5, 8 Jan 79

The role of testicular adenylate cyclase in the hypogonadism of renal insufficiency. Kreusser W, et al. **Proc Eur Dial Transplant Assoc** 15:622–4, 1978

[Ratio of cyclo-3':5'-adenosinemonophosphate to cyclo-3':5'-guanosine-monophosphate in human tumor tissue] Busse E, et al. **Onkologie** 1(6):221–4, Dec 78 (Eng. Abstr.) **(Ger)**

[Effect of potassium iodide and perchlorate on the process of thyroid hormone secretion] Turakulov IaKh, et al. **Biull Eksp Biol Med** 86(12):653–5, Dec 78 (Eng. Abstr.) **(Rus)**

[Cyclic AMP system in muscle tissue during prolonged hypokinesia] Antipenko AE, et al. **Vopr Med Khim** 24(6):765–8, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Inhibition by Ca2+ of the adenosine 3' :5'-cyclic monophosphate-stimulated phosphorylation of proteins in membranes from ox neurohypophyseal secretosomes. Treiman M, et al. **FEBS Lett** 97(1):147–50, 1 Jan 79

Lithium: a modulator of cyclic AMP-dependent events in lymphocytes? Gelfand EW, et al. **Science** 203(4378):365–7, 26 Jan 79

BIOSYNTHESIS

beta-Adrenergic receptor-sensitive adenosine cyclic 3',5'-monophosphate accumulation in homogenates of the rat corpus striatum. A comparison with the dopamine receptor-coupled adenylate cyclase. Harris JE. **Biochem Pharmacol** 27(24):2919–25, 1978

Nalpha-trinitrophenyl glucagon: an inhibitor of glucagon-stimulated cyclic AMP production and its effects on glycogenolysis. Cote TE, et al. **Biochim Biophys Acta** 582(2):295–306, 18 Jan 79

Cyclic AMP synthesis in Xenopus laevis oocytes: inhibition by progesterone. Mulner O, et al. **Biochim Biophys Acta** 582(1):179–84, 4 Jan 79

Prolonged prostaglandin E1 stimulation of cyclic AMP production in transformed and normal WI-38 fibroblasts. Chlapowski FJ, et al. **In Vitro** 14(11):924–34, Nov 78

Correlation between cAMP production in guinea-pig left and right atria and their inotropic and chronotropic responses to orciprenaline at different temperatures. Duncan C, et al. **Mol Pharmacol** 14(6):1063–72, Nov 78

The effect of drugs stimulating central dopaminergic system on transformation of exogenous adenine into c-AMP. Janiec W, et al. **Pol J Pharmacol Pharm** 30(4):529–35, Jul-Aug 78

[Hypergonadotropic hypogonadism in kidney failure--a consequence of disorders of testicular cyclic AMP formation] Kreusser W, et al. **Verh Dtsch Ges Inn Med** (84):1446–8, 1978 **(Ger)**

BLOOD

Lack of correlation between total catecholamines, dopamine-beta-hydroxylase, cyclic AMP and prostaglandins in blood after physical load. Ryšánek K, et al. **Act Nerv Super (Praha)** 20(4):301, 1978

Plasma cyclic nucleotide levels in hyperthyroidism. Lin T. **Acta Endocrinol (Copenh)** 90(1):62–8, Jan 79

Potentiation of isoprenaline-induced plasma cyclic AMP response by aminophylline in normal and asthmatic subjects. Trembath PW, et al. **Br J Clin Pharmacol** 6(6):499–503, Dec 78

Cyclic adenosine 3', 5'-monophosphate and the mechanism of action of three common anti-inflammatory drugs. Deporter DA, et al. **Br J Pharmacol** 65(2):163–5, Feb 79

Plasma cyclic AMP response to glucagon as an index of tissue responsiveness to thyroid hormone. Paisey R, et al. **Diabete Metab** 4(4):267–70, Dec 78

Modulation of human platelet function by prostacyclin and thromboxane A2. Gorman RR. **Fed Proc** 38(1):83–8, Jan 79

Effects of local anesthesia on gingival cAMP levels. Grower MF, et al. **J Periodontol** 50(1):38–42, Jan 79

[Daily cyclic changes in thyroid cAMP in chickens (Gallus domesticus)] Krebietke P. **Endokrinologie** 72(2):243–6, May 78 (Eng. Abstr.) **(Ger)**

[Effect of the thyroid metabolism on the elevation of plasma cyclic AMP after injection of glucagon] Jäckel W, et al. **Verh Dtsch Ges Inn Med** (84):1419–22, 1978 **(Ger)**

[Abnormal metabolism of platelet cyclic nucleotides in Glanzmann's thrombasthenia and essential athrombia (author's transl)] Yoshida N. **Nippon Ketsueki Gakkai Zasshi** 41(5):955–65, Oct 78 (Eng. Abstr.) **(Jpn)**

[Effect of narcotic dose of ketamine on the level of cyclic adenosine-3,5-monophosphate (c-AMP) in the blood plasma] Dizhe AA. **Vestn Khir** 121(11):106–9, Nov 78 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Isolation, characterization and distribution of adenosine 3':5'-cyclic monophosphate from Pinus radiata. Wilson T, et al. **Biochem J** 175(3):931–6, 1 Dec 78

METABOLISM

Cyclic AMP and its functional relationship in Tetrahymena: a comparison between phagocytosis and glucose uptake. Csaba G, et al. **Acta Biol Med Ger** 37(3):505–7, 1978

Studies on cyclic nucleotides in the adrenal gland. IX. Effects of ACTH on cyclic AMP and steroid production by the zona fasciculata-reticularis of the adrenal cortex. Shima S, et al. **Acta Endocrinol (Copenh)** 90(1):139–46, Jan 79

Dissociation of the mitogenic and rosette-forming effects of PHA to stimulators of cyclic AMP levels. Kalmár L, et al. **Acta Med Acad Sci Hung** 35(2):147–51, 1978

Involvement of cGMP in LHRH-stimulated gonadotropin

release. Naor Z, et al. **Am J Physiol** 235(6):E586–90, Dec 78

Human lung tissue and anaphylaxis: the effects of histamine on the immunologic release of mediators. Kaliner M. **Am Rev Respir Dis** 118(6):1015–22, Dec 78

Albumin and cyclic AMP levels in peritoneal fluids in the child [proceedings] Kahn A. **Arch Int Physiol Biochim** 86(3):693–4, Aug 78

Microheterogeneity of adenosine cyclic monophosphate–dependent protein kinases from mouse brain and heart. Malkinson AM, et al. **Biochem J** 175(2):367–75, 1 Nov 78

Isolation, characterization and distribution of adenosine 3':5'–cyclic monophosphate from Pinus radiata. Wilson T, et al. **Biochem J** 175(3):931–6, 1 Dec 78

Metabolic fate of exogenous 5'–AMP, cyclic AMP, and cyclic GMP in rats. Brenner T, et al. **Biochem Med** 20(2):160–6, Oct 78

Independence of the cyclic AMP–lowering activity of thromboxane A2 from the platelet release reaction. Gorman RR, et al. **Biochim Biophys Acta** 572(1):95–104, 29 Jan 79

On the question of cyclic GMP as the mediator of the effects of acetylcholine on the heart. Keely SL Jr, et al. **Biochim Biophys Acta** 543(2):251–7, 3 Oct 78

Regulation of the biosynthesis of cytochrome P–450 in brewer's yeast. Role of cyclic AMP. Wiseman A, et al. **Biochim Biophys Acta** 544(3):615–23, 18 Dec 78

Characterization of the cyclic AMP–dependent protein kinase from rat pancreas, further purification of the catalytic subunit, substrate specificity, effect of the pancreatic heat stable inhibitor. Mangeat PH, et al. **Biochimie** 60(8):777–85, 1978

Brain alpha–adrenergic receptors: comparison of [3H]WB 4101 binding with norepinephrine–stimulated cyclic AMP accumulation in rat cerebral cortex. Davis JN, et al. **Brain Res** 159(1):125–35, 22 Dec 78

Prostaglandins cause cyclic AMP accumulation in peripheral nerve. Kalix P. **Brain Res** 162(1):159–63, 16 Feb 79

Inhibitory action adenosine, 5–HT (serotonin) and GABA (gamma–aminobutyric acid) on the postsynaptic potential (PSP) or slices from olfactory cortex and superior colliculus in correlation to the level of cyclic AMP. Okada Y, et al. **Brain Res** 160(2):368–71, 12 Jan 79

Determination of the rates of synthesis and degradation of adenosine 3',5'–cyclic monophosphate in Escherichia coli CRP– and CRP+ strains. Fraser AD, et al. **Can J Biochem** 56(9):849–52, Sep 78

Progesterone–induced meiosis in Xenopus laevis oocytes: a role for cAMP at the 'maturation–promoting factor' level. Schorderet–Slatkine S, et al. **Cell** 15(4):1269–75, Dec 78

Mechanism by which cyclic adenosine 3':5'–monophosphate–dependent protein kinase stimulates calcium transport in cardiac sarcoplasmic reticulum. Hicks MJ, et al. **Circ Res** 44(3):384–91, Mar 79

Reduced adenosine 3',5'–cyclic monophosphate levels in patients with reversible obstructive airways disease. Krzanowski JJ, et al. **Clin Exp Pharmacol Physiol** 6(1):111–5, Jan–Feb 79

Species differences in catecholamine uptake and storage, cyclic AMP levels and adenyl cyclase activity in heart muscle. Sullivan AT, et al. **Comp Biochem Physiol [C]** 61 C(2):353–6, 1978

The effect of caffeine and quinine on calcium efflux and cyclic AMP levels in bovine ileal smooth muscle. Theobald TC, et al. **Comp Biochem Physiol [C]** 61 C(2):395–400, 1978

The metabolism of cyclic AMP and glucose in isolated islets from Acomys cahirinus. Grill V, et al. **Diabetologia** 16(1):47–50, Jan 79

Effect of extracellular Na on isoproterenol–induced cAMP levels in depolarized uterus. Meisheri KD, et al. **Eur J Pharmacol** 53(1):9–20, 15 Dec 78

Ionophore A23187 raises cyclic AMP levels in macrophages by stimulating prostaglandin E formation. Gemsa D, et al. **Exp Cell Res** 118(1):55–62, Jan 79

Correlation between 3',5', c–AMP levels and thyrotropin in separated rat pituitary thyrotropic cells. Tal E, et al. **Experientia** 34(10):1286–8, 15 Oct 78

An adenosine 3':5'–monophosphate adenosine–binding protein from mouse liver. Association with S–adenosylhomocysteinase activity. Saebø J, et al. **FEBS Lett** 96(1):125–8, 1 Dec 78

In vitro tropic action of ACTH upon adrenocortical cyclic nucleotide (cAMP, cGMP) production and corticosterone output in blue (Prionace glauca Linnaeus) and in mako (Isurus oxyrinchus Rafinesque) sharks. Honn KV, et al. **Gen Comp Endocrinol** 36(1):161–9, Sep 78

Inhibitors of cyclic AMP breakdown. pp. 152–7. Stoclet JC, et al.
In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977. (30 ref.)

Effect of Escherichia coli heat–stable enterotoxin on cyclic GMP levels in mouse intestine. Newsome PM, et al. **Infect Immun** 22(1):290–1, Oct 78

Stimulation of human foreskin fibroblast adenosine 3':5'–cyclic monophosphate levels by prostacyclin (prostaglandin I2). Gorman RR, et al. **J Biol Chem** 254(5):1671–6, 10 Mar 79

Islet–activating protein. Enhanced insulin secretion and cyclic AMP accumulation in pancreatic islets due to activation of native calcium ionophores. Katada T, et al. **J Biol Chem** 254(2):469–79, 25 Jan 79

Early effect of progesterone on levels of cyclic adenosine 3':5'–monophosphate in Xenopus oocytes. Maller JL, et al. **J Biol Chem** 254(3):579–82, 10 Feb 79

Measurements of metabolites during cAMP oscillations of Dictyostelium discoideum. Geller JS, et al. **J Cell Physiol** 97(3 Pt 2 Suppl 1):413–20, Dec 78

Altered cyclic AMP–dependent protein kinase activity in a mutant adrenocortical tumor cell line. Gutmann NS, et al. **J Cell Physiol** 97(3 Pt 2 Suppl 1):451–60, Dec 78

Selective suppression by adherent cells, prostaglandin, and cyclic AMP analogues of blastogenesis induced by different mitogens. Novogrodsky A, et al. **J Immunol** 122(1):1–7, Jan 79

Increased cyclic GMP in the end–plate region of denervated frog muscle. Allen DO, et al. **J Neurobiol** 9(6):445–51, Nov 78

Cyclic AMP in the rat cerebral cortex after activation of noradrenaline neurons of the locus coeruleus. Van der Heyden JA, et al. **J Neurochem** 32(2):463–8, Feb 79

Modulation of gingival cAMP levels by tissue inflammation. Grower MF, et al. **J Periodont Res** 14(1):47–54, Jan 79

Studies on cyclic nucleotides in the adrenal gland. VII. Cyclic AMP systems in the adrenal medulla in vivo. Shima S, et al. **Jpn J Pharmacol** 28(4):597–605, Aug 78

Accumulation of histamine and cyclic nucleotides in lung tissue during chronic hypobaric hypoxia. Völkel N, et al. **Lung** 155(4):277–86, 15 Dec 78

Relationship between lipolysis, cyclic AMP, and fat–cell size in human adipose tissue during fasting and in diabetes mellitus. Arner P, et al. **Metabolism** 28(3):198–209, Mar 79

Effect of TRH and dopamine on cyclic AMP levels in enriched mammotroph and thyrotroph cells. Barnes GD, et al. **Mol Cell Endocrinol** 12(3):273–84, Dec 78

Alpha adrenergic and cholinergic–muscarinic regulation of adenosine cyclic 3',5'–monophosphate levels in the rat parotid. Oron Y, et al. **Mol Pharmacol** 14(6):1018–30, Nov 78

Pharmacological characterization of histamine receptors mediating the stimulation of cyclic AMP accumulation in slices from guinea–pig hippocampus. Palacios JM, et al. **Mol Pharmacol** 14(6):971–82, Nov 78

Correlation between the effects of salbutamol on contractions and cyclic AMP content of isolated fast–and slow–contracting muscles of the guinea pig. Al–Jeboory AA, et al. **Naunyn Schmiedebergs Arch Pharmacol** 305(3):201–6, 27 Dec 78

Phosphorylated derivatives of phloretin inhibit cyclic AMP accumulation in neuronal and glial tumor cells in culture. Ortmann R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 305(3):233–40, 27 Dec 78

Effect of norepinephrine on renin release and the cyclic AMP content of rat kidney slices: modification by sodium deficiency and alpha–adrenergic blockade. Lopez GA, et al. **Neuroendocrinology** 27(1–2):63–73, 1978

Direct phosphorylation of brain tyrosine hydroxylase by cyclic AMP–dependent protein kinase: mechanism of enzyme activation. Joh TH, et al. **Proc Natl Acad Sci USA** 75(10):4744–8, Oct 78

Neurotransmitter modulation, phosphodiesterase inhibitor effects, and cyclic AMP correlates of afterdischarge in peptidergic neurites. Kaczmarek LK, et al. **Proc Natl Acad Sci USA** 75(10):5200–4, Oct 78

Voltage–sensitive calcium channels regulate guanosine 3',5'–cyclic monophosphate levels in neuroblastoma cells. Study RE, et al. **Proc Natl Acad Sci USA** 75(12):6295–9, Dec 78

The effects of prostaglandins on cAMP levels in subpopulations of mouse lymphocytes. Webb DR. **Prostaglandins Med** 1(6):441–53, Dec 78

Selective action of hypoxia on rat lung cyclic AMP. Rhoades RA, et al. **Respir Physiol** 35(1):59–63, Oct 78

Cyclic nucleotides in platelet function. Haslam RJ, et al. **Thromb Haemost** 40(2):232–40, 31 Oct 78 (44 ref.)

Effect of cyclic AMP on transformation and proliferation of leishmania cells. Walter RD, et al. **Tropenmed Parasitol**

29(4):439–42, Dec 78

Evidence for altered cyclic nucleotide metabolism during compensatory renal hypertrophy and neonatal kidney growth. Schlondorff D, et al. **Yale J Biol Med** 51(3):387–92, May–Jun 78

Cyclic nucleotide concentrations in relation to renal growth and hypertrophy. Solomon S, et al. **Yale J Biol Med** 51(3):373–9, May–Jun 78

[Daily cyclic changes in thyroid cAMP in chickens (Gallus domesticus)] Krebietke P. **Endokrinologie** 72(2):243–6, May 78 (Eng. Abstr.) **(Ger)**

[Parathyroid hormone and cyclic AMP in kidney failure] Klehr HU, et al. **Verh Dtsch Ges Inn Med** (84):1291–4, 1978 **(Ger)**

[Plasma and urinary cyclic nucleotides in parathyroid disorders--effect of parathyroid hormone (author's transl)] Nakagawa H, et al. **Nippon Naika Gakkai Zasshi** 67(11):1406–11, 10 Nov 78 **(Jpn)**

[Cyclic 3',5'-AMP metabolism in progressive muscular dystrophy patients] Khokhlov AP, et al. **Vopr Med Khim** 24(6):754–8, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effects of cyclic adenosine 3': 5'-monophosphate on phosphoprotein kinase and phosphatase fractions prepared from rat liver nuclei. Dokas L, et al. **Arch Biochem Biophys** 191(2):578–89, Dec 78

Increase of cyclic AMP-dependent protein kinase type II as an early event in hormone-dependent mammary tumor regression. Cho-Chung YS, et al. **Biochem Biophys Res Commun** 85(3):1150–5, 14 Dec 78

Calcium, asparagine and cAMP are required for ornithine decarboxylase activation in intact Chinese hamster ovary cells. Costa M, et al. **Biochem Biophys Res Commun** 85(3):1156–64, 14 Dec 78

Cyclic AMP stimulated phosphorylation of liver pyruvate kinase in hepatocytes. Ishibashi H, et al. **Biochem Biophys Res Commun** 85(3):900–5, 14 Dec 78

Phosphorylation of muscle phosphofructokinase by the catalytic subunit of cyclic AMP-dependent protein kinase. Riquelme PT, et al. **Biochem Biophys Res Commun** 85(4):1480–7, 29 Dec 78

A possible role of calcium in the action of glucagon, cAMP and dibutyryl cAMP on the metabolism of free fatty acids by rat hepatocytes. Soler-Argilaga C, et al. **Biochem Biophys Res Commun** 85(1):249–56, 14 Nov 78

Carbonic anhydrase, cyclic AMP, and the phosphaturia of parathyroid hormone. Lineberry MD, et al. **Biochem Med** 20(2):208–18, Oct 78

Modulation of platelet responsiveness through selective phosphorylation of plasma membrane proteins. Apitz-Castro R, et al. **Biochim Biophys Acta** 544(3):529–39, 18 Dec 78

Characterization of two adenosine 3':5'-phosphate-dependent protein kinase species from Chinese hamster ovary cells. Li AP, et al. **Biochim Biophys Acta** 527(2):403–13, 8 Dec 78

Regulation of the biosynthesis of cytochrome P-450 in brewer's yeast. Role of cyclic AMP. Wiseman A, et al. **Biochim Biophys Acta** 544(3):615–23, 18 Dec 78

Progesterone-induced meiosis in Xenopus laevis oocytes: a role for cAMP at the 'maturation-promoting factor' level. Schorderet-Slatkine S, et al. **Cell** 15(4):1269–75, Dec 78

The effect of cyclic AMP on the growth and morphology of a normal human fibroblast parent strain and its transformed progeny line. Dubpernell SA, et al. **Cell Differ** 7(6):375–86, Dec 78

Characteristics of the induction of phosphodiesterases by cyclic adenosine 3',5'-monophosphate in the slime mold, Dictyostelium discoideum. Hayashi H, et al. **Chem Pharm Bull (Tokyo)** 26(10):2977–82, Oct 78

Influences of cyclic nucleotides on outflow facility in the vervet monkey. Neufeld AH. **Exp Eye Res** 27(4):387–97, Oct 78

Effect of cyclic AMP pulses on the synthesis of plasma membrane proteins in aggregateless mutants of Dictyostelium discoideum. Parish RW, et al. **FEBS Lett** 96(2):283–6, 15 Dec 78

Inhibition by Ca2+ of the adenosine 3' :5'-cyclic monophosphate-stimulated phosphorylation of proteins in membranes from ox neurohypophyseal secretosomes. Treiman M, et al. **FEBS Lett** 97(1):147–50, 1 Jan 79

Phosphorylation of specific rat intestinal microvillus and basal-lateral membrane proteins by cyclic nucleotides. Shlatz LJ, et al. **Gastroenterology** 76(2):293–9, Feb 79

Inhibitors of cyclic AMP breakdown. pp. 152–7. Stoclet JC, et al. **In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.** (30 ref.)

Synthesis of a specific protein by adenosine 3',5'-cyclic monophosphate in rat uterus. Jain SK. **Indian J Biochem Biophys** 15(4):345–7, Aug 78

Regulation of mitochondrial pyruvate carboxylation and gluconeogenesis in rat hepatocytes via an alpha-adrenergic, adenosine 3':5'-monophosphate-independent mechanism. Garrison JC, et al. **J Biol Chem** 254(4):1129–33, 25 Feb 79

Polyoma virus and cyclic AMP-mediated control of dihydrofolate reductase mRNA abundance in methotrexate-resistant mouse fibroblasts. Kellems RE, et al. **J Biol Chem** 254(2):309–18, 25 Jan 79

Mechanism of the stimulation of Ca2+-dependent ATPase of cardiac sarcoplasmic reticulum by adenosine 3':5'-monophosphate-dependent protein kinase. Role of the 22,000-dalton protein. Tada M, et al. **J Biol Chem** 254(2):319–26, 25 Jan 79

In vitro phosphorylation of bovine adrenal tyrosine hydroxylase by adenosine 3':5'-monophosphate-dependent protein kinase. Yamauchi T, et al. **J Biol Chem** 254(2):503–7, 25 Jan 79

Cyclic AMP-dependent protein kinase activity and synaptosomal protein phosphorylation in the brains of aged rats. Schmidt MJ, et al. **J Neurochem** 32(2):335–44, Feb 79

Influences of verapamil, X-537A, A-23187 and adenosine 3',5'-cyclic monophosphate on release of 5-hydroxytryptamine from rat brain slices. Murakami H, et al. **Jpn J Pharmacol** 28(4):589–96, Aug 78

Cyclic-AMP-induced differentiation in neuroblastoma is independent of cell division rate. Waymire JC, et al. **Nature** 276(5684):194–5, 9 Nov 78

Selective changes in the phosphorylation of endogenous proteins in subcellular fractions from cyclic AMP-induced differentiated neuroblastoma cells. Ehrlich YH, et al. **Neurochem Res** 3(6):803–13, Dec 78

Effect of exogenous cAMP in the rabbit right auricle. Tuganowski W, et al. **Pol J Pharmacol Pharm** 30(4):451–4, Jul–Aug 78

Regulation of interferon-impaired initiation factor activity in vitro by cAMP and dsRNA. Ohtsuki K, et al. **Proc Soc Exp Biol Med** 159(3):453–7, Dec 78

Effect of cyclic AMP on transformation and proliferation of leishmania cells. Walter RD, et al. **Tropenmed Parasitol** 29(4):439–42, Dec 78

PHYSIOLOGY

Cyclic AMP and its functional relationship in Tetrahymena: a comparison between phagocytosis and glucose uptake. Csaba G, et al. **Acta Biol Med Ger** 37(3):505–7, 1978

The role of cyclic nucleotides and prostaglandins in heart function. Vapaatalo H, et al. **Acta Biol Med Ger** 37(5–6):785–95, 1976

Regulatory role of cyclic adenosine 3',5'-monophosphate on the platelet cyclooxygenase and platelet function. Fitzpatrick FA, et al. **Biochim Biophys Acta** 582(1):44–58, 4 Jan 79

Cyclic AMP in relation to proliferation of the epidermal cell: a new view. Green H. **Cell** 15(3):801–11, Nov 78

Influences of cyclic nucleotides on outflow facility in the vervet monkey. Neufeld AH. **Exp Eye Res** 27(4):387–97, Oct 78

Effects of local anesthesia on gingival cAMP levels. Grower MF, et al. **J Periodontol** 50(1):38–42, Jan 79

Role of cyclic AMP in the regulation of renin release from the isolated perfused rat kidney. Hofbauer KG, et al. **Klin Wochenschr** 56 Suppl 1:51–9, 1978

Cyclic AMP-independent relaxation of depolarized rat ileal smooth muscle by isoproterenol. Schiff JD, et al. **Life Sci** 23(23):2299–305, 4 Dec 78

Depolarizing agents and cyclic nucleotides regulate the phosphorylation of specific neuronal proteins in rat cerebral cortex slices. Forn J, et al. **Proc Natl Acad Sci USA** 75(10):5195–9, Oct 78

[Effect of substances that alter the level of intracellular cAMP on the reaction of human lymphocytes blast transformation] Nikolaeva IS, et al. **Tsitologiia** 20(12):1407–12, Dec 78 (Eng. Abstr.) **(Rus)**

URINE

Increase in urinary excretion of phosphates, hydroxyproline, and cAMP during acetate desoxycorticosterone + saline treatment in the rat. Berthelot A, et al. **Arch Int Pharmacodyn Ther** 235(2):196–203, Oct 78

Time saving protein binding assay for the simultaneous determination of guanosine 3':5'-monophosphate (cGMP) and adenosine 3':5'-monophosphate (cAMP) in human

urine. Kleine TO, et al. **J Clin Chem Clin Biochem** 16(12):657–61, Dec 78

[Parathyroid hormone and cyclic AMP in kidney failure] Klehr HU, et al. **Verh Dtsch Ges Inn Med** (84):1291–4, 1978 **(Ger)**

[Specimens preservation and reproductibility in the determination of cyclic AMP in urine by means of competitive protein analysis] Martin Rodríguez M, et al. **Rev Clin Esp** 151(1):15–8, 15 Oct 78 (Eng. Abstr.) **(Spa)**

GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE

ADMINISTRATION & DOSAGE

Antinociceptive action of the butyryl derivatives of cyclic guanosine 3':5'-monophosphate. Vocci FJ, et al. **J Pharmacol Exp Ther** 207(3):892–8, Dec 78

ANALOGS & DERIVATIVES

Influences of cyclic nucleotides on outflow facility in the vervet monkey. Neufeld AH. **Exp Eye Res** 27(4):387–97, Oct 78

Antinociceptive action of the butyryl derivatives of cyclic guanosine 3':5'-monophosphate. Vocci FJ, et al. **J Pharmacol Exp Ther** 207(3):892–8, Dec 78

Role of cyclic AMP in the regulation of renin release from the isolated perfused rat kidney. Hofbauer KG, et al. **Klin Wochenschr** 56 Suppl 1:51–9, 1978

ANALYSIS

Cyclic nucleotide levels in psoriatic and normal keratomed epidermis. Marcelo CL, et al. **J Invest Dermatol** 72(1):20–4, Jan 79

Cyclic nucleotide levels in brains of control and hypertensive rats. Volicer L, et al. **Life Sci** 24(2):131–5, 8 Jan 79

[Ratio of cyclo-3':5'-adenosinemonophosphate to cyclo-3':5'-guanosine-monophosphate in human tumor tissue] Busse E, et al. **Onkologie** 1(6):221–4, Dec 78 (Eng. Abstr.) **(Ger)**

BLOOD

Plasma cyclic nucleotide levels in hyperthyroidism. Lin T. **Acta Endocrinol (Copenh)** 90(1):62–8, Jan 79

ISOLATION & PURIFICATION

A method for measuring relative changes in guanosine 3':5'-cyclic monophosphate in mouse neuroblastoma cells on muscarinic cholinergic stimulation. Strange PG. **Biochem J** 176(2):583–90, 15 Nov 78

METABOLISM

Involvement of cGMP in LHRH-stimulated gonadotropin release. Naor Z, et al. **Am J Physiol** 235(6):E586–90, Dec 78

Inhibition of toad urinary bladder sodium transport by carbamylcholine: possible role of cyclic GMP. Sahib MK, et al. **Am J Physiol** 235(6):F586–91, Dec 78

Human lung tissue and anaphylaxis: the effects of histamine on the immunologic release of mediators. Kaliner M. **Am Rev Respir Dis** 118(6):1015–22, Dec 78

Regulation of adrenocortical steroidogenesis by cyclic 3'–5'-guanosine monophosphate in isolated rat adrenal cells. Harrington CA, et al. **Biochem Biophys Res Commun** 85(1):55–61, 14 Nov 78

A method for measuring relative changes in guanosine 3':5'-cyclic monophosphate in mouse neuroblastoma cells on muscarinic cholinergic stimulation. Strange PG. **Biochem J** 176(2):583–90, 15 Nov 78

Metabolic fate of exogenous 5'-AMP, cyclic AMP, and cyclic GMP in rats. Brenner T, et al. **Biochem Med** 20(2):160–6, Oct 78

Cyclic GMP and cyclic GMP-dependent protein kinase in brown adipose tissue of developing rats. Skala JP, et al. **Biochim Biophys Acta** 582(1):122–31, 4 Jan 79

Reduced adenosine 3',5'-cyclic monophosphate levels in patients with reversible obstructive airways disease. Krzanowski JJ, et al. **Clin Exp Pharmacol Physiol** 6(1):111–5, Jan–Feb 79

Effect of extracellular Na on isoproterenol-induced cAMP levels in depolarized uterus. Meisheri KD, et al. **Eur J Pharmacol** 53(1):9–20, 15 Dec 78

In vitro tropic action of ACTH upon adrenocortical cyclic nucleotide (cAMP, cGMP) production and corticosterone output in blue (Prionace glauca Linnaeus) and in mako (Isurus oxyrinchus Rafinesque) sharks. Honn KV, et al. **Gen Comp Endocrinol** 36(1):161–9, Sep 78

Inhibitors of cyclic AMP breakdown. pp. 152–7. Stoclet JC, et al.
In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977. (30 ref.)

Effect of Escherichia coli heat-stable enterotoxin on cyclic GMP levels in mouse intestine. Newsome PM, et al. **Infect Immun** 22(1):290–1, Oct 78

Intracellular cyclic GMP-binding proteins in cellular slime molds. Mato JM, et al. **J Bacteriol** 137(1):169–72, Jan 79

Effect of luteinizing hormone on the concentration of cyclic GMP in rabbit ovaries. Patwardhan VV, et al. **J Endocrinol** 79(2):251–2, Nov 78

Evidence that endotoxin is the cyclic 3':5'-GMP--promoting factor in erythropoietin preparations. Graber SE, et al. **J Lab Clin Med** 93(1):25–31, Jan 79

Increased cyclic GMP in the end-plate region of denervated frog muscle. Allen DO, et al. **J Neurobiol** 9(6):445–51, Nov 78

Change in brain guanosine 3',5'-monophosphate (cGMP) content by thyrotropin-releasing hormone. Mailman RB, et al. **J Pharmacol Exp Ther** 208(2):169–75, Feb 79

Cyclic GMP binding protein of rat heart and urinary cyclic nucleotides in patients with diabetes mellitus before and after treatment. Takahashi K, et al. **Kobe J Med Sci** 24(4):177–92, Dec 78

Accumulation of histamine and cyclic nucleotides in lung tissue during chronic hypobaric hypoxia. Völkel N, et al. **Lung** 155(4):277–86, 15 Dec 78

Voltage-sensitive calcium channels regulate guanosine 3',5'-cyclic monophosphate levels in neuroblastoma cells. Study RE, et al. **Proc Natl Acad Sci USA** 75(12):6295–9, Dec 78

Selective action of hypoxia on rat lung cyclic AMP. Rhoades RA, et al. **Respir Physiol** 35(1):59–63, Oct 78

Cyclic nucleotides in platelet function. Haslam RJ, et al. **Thromb Haemost** 40(2):232–40, 31 Oct 78 (44 ref.)

Evidence for altered cyclic nucleotide metabolism during compensatory renal hypertrophy and neonatal kidney growth. Schlondorff D, et al. **Yale J Biol Med** 51(3):387–92, May–Jun 78

Cyclic nucleotide concentrations in relation to renal growth and hypertrophy. Solomon S, et al. **Yale J Biol Med** 51(3):373–9, May–Jun 78

[Plasma and urinary cyclic nucleotides in parathyroid disorders--effect of parathyroid hormone (author's transl)] Nakagawa H, et al. **Nippon Naika Gakkai Zasshi** 67(11):1406–11, 10 Nov 78 **(Jpn)**

PHARMACODYNAMICS

Modulation of platelet responsiveness through selective phosphorylation of plasma membrane proteins. Apitz-Castro R, et al. **Biochim Biophys Acta** 544(3):529–39, 18 Dec 78

Leukocyte migration inhibitory factor: a serine esterase released by stimulated human lymphocytes. Kinetic analysis and inhibition by cyclic GMP. Bendtzen K. **Biochim Biophys Acta** 566(1):183–91, 12 Jan 79

Effects of thyroliberin, triiodothyronine and cyclic guanosine 3'5'-monophosphate on the volume of nuclei of thyrotropic cells in rat anterior pituitary in vitro. Lewiński A. **Endokrinologie** 72(2):175–82, May 78

Influences of cyclic nucleotides on outflow facility in the vervet monkey. Neufeld AH. **Exp Eye Res** 27(4):387–97, Oct 78

Phosphorylation of specific rat intestinal microvillus and basal-lateral membrane proteins by cyclic nucleotides. Shlatz LJ, et al. **Gastroenterology** 76(2):293–9, Feb 79

Inhibitors of cyclic AMP breakdown. pp. 152–7. Stoclet JC, et al.
In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977. (30 ref.)

Antinociceptive action of the butyryl derivatives of cyclic guanosine 3':5'-monophosphate. Vocci FJ, et al. **J Pharmacol Exp Ther** 207(3):892–8, Dec 78

Cyclic GMP injected into retinal rod outer segments increases latency and amplitude of response to illumination. Nicol GD, et al. **Proc Natl Acad Sci USA** 75(10):5217–20, Oct 78

PHYSIOLOGY

The role of cyclic nucleotides and prostaglandins in heart function. Vapaatalo H, et al. **Acta Biol Med Ger**

37(5-6):785-95, 1976

On the question of cyclic GMP as the mediator of the effects of acetylcholine on the heart. Keely SL Jr, et al. **Biochim Biophys Acta** 543(2):251-7, 3 Oct 78

URINE

Time saving protein binding assay for the simultaneous determination of guanosine 3':5'-monophosphate (cGMP) and adenosine 3':5'-monophosphate (cAMP) in human urine. Kleine TO, et al. **J Clin Chem Clin Biochem** 16(12):657-61, Dec 78

APPENDIX

ADENYL CYCLASE

ANALYSIS

Gel-filtration analysis of soluble adenylate cyclase from bovine corpus luteum. Young JL, et al. **Biochem J** 175(2):579–84, 1 Nov 78

Histochemical demonstration of adenylate cyclase activity in the sympathetic ganglion of the chicken. Hervonen H, et al. **Cell Mol Biol** 23(3):233–40, 1978

Adenylate cyclase in Duchenne and Fukuyama type muscular dystrophy. Takahashi K, et al. **Kobe J Med Sci** 24(4):193–8, Dec 78

Gonadal luteinizing hormone receptors and adenylate cyclase: transfer of functional ovarian luteinizing hormone receptors to adrenal fasciculata cells. Dufau ML, et al. **Proc Natl Acad Sci USA** 75(10):4769–73, Oct 78

ANTAGONISTS & INHIBITORS

Reversible inhibition of adenylate cyclase activity of rat brain caudate nucleus by oxidized glutathione. Baba A, et al. **Biochem Biophys Res Commun** 85(3):1204–10, 14 Dec 78

Activation of guanylate cyclase and inhibition of adenylate cyclase by cytotoxic preparations from marine sponges of Haliclona genus. Lad PJ, et al. **Biochem Biophys Res Commun** 85(4):1472–9, 29 Dec 78

Adenylate cyclase in bloodstream forms of Trypanosoma (Trypanozoon) brucei sp. Martin BR, et al. **Biochem J** 175(1):207–12, 1 Oct 78

Characterization of a vasoactive intestinal peptide-sensitive adenylate cyclase in rat intestinal epithelial cell membranes. Amiranoff B, et al. **Biochim Biophys Acta** 544(3):474–81, 18 Dec 78

Inhibition of dopamine-stimulated adenylate cyclase activity by phenoxybenzamine. Walton KG, et al. **Eur J Pharmacol** 52(2):231–4, 15 Nov 78

Purification and characterization of an inhibitor protein of brain adenylate cyclase and cyclic nucleotide phosphodiesterase. Wallace RW, et al. **J Biol Chem** 254(2):377–82, 25 Jan 79

BLOOD

A possible role of thromboxane A2 (TXA2) and prostacyclin (PGI2) in circulation. Gryglewski RJ, et al. **Acta Biol Med Ger** 37(5–6):715–23, 1976

Effects of prostaglandin E1 and adenosine on metal and metal-ATP kinetics of platelet adenylate cyclase. Johnson RA, et al. **J Biol Chem** 254(4):1094–101, 25 Feb 79

Metal and metal-ATP interactions with human platelet adenylate cyclase: effects of alpha adrenergic inhibition. Jakobs KH, et al. **Mol Pharmacol** 14(6):1073–8, Nov 78

ISOLATION & PURIFICATION

Hymenolepis microstoma: ultrastructural localization of adeny cyclase in the tegument. Conway-Jones PB, et al. **Exp Parasitol** 46(2):152–6, Dec 78

Solubilization and reconstitution of dopamine-sensitive adenylate cyclase from bovine caudate nucleus. Hoffmann FM. **J Biol Chem** 254(2):255–8, 25 Jan 79

Solubilization of a mammalian beta-adrenergic receptor. Kleinstein J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 305(3):191–200, 27 Dec 78

METABOLISM

The role of cyclic nucleotides and prostaglandins in heart function. Vapaatalo H, et al. **Acta Biol Med Ger** 37(5–6):785–95, 1976

Differences in localization of insulin receptors and adenylate cyclase in the human placenta. Whitsett JA, et al. **Am J Obstet Gynecol** 133(2):204–7, 15 Jan 79

Calcium-dependent adenylate cyclase from rat cerebral cortex: activation by guanine nucleotides. Brostrom MA, et al. **Arch Biochem Biophys** 191(1):341–50, Nov 78

Adenosine interactions with thyroid adenylate cyclase. Wolff J, et al. **Arch Biochem Biophys** 191(1):161–8, Nov 78

Lymphocyte adenylate cyclase. Its possible involvement in the stimulation of lymphocytes by lectins (proceedings] Bonnafous JC, et al. **Arch Int Physiol Biochim** 86(4):846–7, Oct 78

Potentiation of GTP of hormone-responsive adenylate cyclase in renal cortex plasma membrane preparations. Liang CT, et al. **Biochem Biophys Res Commun** 85(4):1440–5, 29 Dec 78

Adenylate cyclase and cyclic AMP phosphodiesterase activity during the mitotic cycle of Physarum polycephalum. Lovely JR, et al. **Biochem Biophys Res Commun** 85(2):579–84, 29 Nov 78

Adenylate cyclase in bloodstream forms of Trypanosoma (Trypanozoon) brucei sp. Martin BR, et al. **Biochem J** 175(1):207–12, 1 Oct 78

Differential effects of non-ionic detergents on microsomal and sarcolemmal adenylate cyclase in cardiac muscle. Sulakhe PV, et al. **Biochem J** 175(1):171–80, 1 Oct 78

beta-Adrenergic receptor-sensitive adenosine cyclic 3',5'-monophosphate accumulation in homogenates of the rat corpus striatum. A comparison with the dopamine receptor-coupled adenylate cyclase. Harris JE. **Biochem Pharmacol** 27(24):2919–25, 1978

Negative cooperativity exhibited by prostaglandin E1 stimulated adenylate cyclase in LM cells. Engelhard VH, et al. **Biochemistry** 17(24):5304–8, 28 Nov 78

Relationships between membrane cholesterol, alpha-adrenergic receptors, and platelet function. Insel PA, et al. **Biochemistry** 17(24):5269–74, 28 Nov 78

Characterization of a vasoactive intestinal peptide-sensitive adenylate cyclase in rat intestinal epithelial cell membranes. Amiranoff B, et al. **Biochim Biophys Acta** 544(3):474–81, 18 Dec 78

Nalpha-trinitrophenyl glucagon: an inhibitor of glucagon-stimulated cyclic AMP production and its effects on glycogenolysis. Cote TE, et al. **Biochim Biophys Acta** 582(2):295–306, 18 Jan 79

Maturation dependent decline of adenylate cyclase in rabbit red blood cell membranes. Piau JP, et al. **Biochim Biophys Acta** 544(3):482–8, 18 Dec 78

Purification of an adenylyl cyclase-containing plasma membrane fraction from Trypanosoma cruzi. Zingales B, et al. **Biochim Biophys Acta** 550(2):233–44, 19 Jan 79

Interaction of LSD and other hallucinogens with dopamine-sensitive adenylate cyclase in primate brain: regional differences. Ahn HS, et al. **Brain Res** 162(1):77–88, 16 Feb 79

Acute and chronic amphetamine treatments modulate striatal dopamine receptor binding sites. Howlett DR, et al. **Brain Res** 161(1):173–8, 26 Jan 79

Creatine kinase activity and isozyme composition in normal tissues and neoplasms of rats and mice. Shatton JB, et al. **Cancer Res** 39(2 Pt 1):492–501, Feb 79

Role of serotonin reuptake inhibition in the development of subsensitivity of the norepinephrine (NE) receptor coupled adenylate cyclase system. Mishra R, et al. **Commun Psychopharmacol** 2(4):365–9, 1978

APPENDIX

Species differences in catecholamine uptake and storage, cyclic AMP levels and adenyl cyclase activity in heart muscle. Sullivan AT, et al. **Comp Biochem Physiol [C]** 61 C(2):353–6, 1978

Inhibition of human colonic adenylate cyclase by RMI 12330 A. Simon B, et al. **Digestion** 18(3–4):213–9, 1978

A systematic study of effects of non-ionic detergens on solubilization and activity of pig kidney adenylate cyclase. Guillon G, et al. **Eur J Biochem** 92(2):341–8, Dec 78

Human colonic adenylate cyclase: effects of bile acids. Simon B, et al. **Eur J Clin Invest** 8(5):321–3, Oct 78

Anterior pituitary adenylate cyclase: stimulation by dopamine and other monoamines. Ahn HS, et al. **Eur J Pharmacol** 53(3):313–7, 15 Jan 79

Chronic effects of 6-hydroxydopamine and reserpine on myocardial adenylate cyclase. Chiu TH. **Eur J Pharmacol** 52(3–4):385–8, 1 Dec 78

Prostaglandin E1-induced desensitization of prostaglandin-sensitive adenylate cyclase of cultured mammalian cells. Studies with broken and intact cell preparations. Ayad SR, et al. **Exp Cell Res** 118(2):229–35, Feb 79

Changes in plasma membrane and microfilaments accompanying morphologic differentiation in Chinese hamster ovary (CHO) cells. Kochhar OS. **Exp Cell Res** 118(1):191–203, Jan 79

Trypanosoma cruzi: isolation and characterization of membrane and flagellar fractions. Pereira NM, et al. **Exp Parasitol** 46(2):225–34, Dec 78

In vitro relative biological activities of (1--34)N-terminal synthetic fragments of human parathyroid hormone in the human renal cortical adenylate cyclase assay. Monet JD, et al. **FEBS Lett** 96(1):79–82, 1 Dec 78

Activation of spleen adenylate cyclase by agents forming mixed disulfides. Sołtysiak-Pawluczuk D, et al. **FEBS Lett** 96(1):173–4, 1 Dec 78

Associations of [3H]dihydroalprenolol with biological membranes. Mendel CM, et al. **Gen Pharmacol** 10(1):31–40, 1979

Regulatory substances produced by lymphocytes--VII. IDS (inhibitor of DNA synthesis) inhibits stimulated lymphocyte proliferation by activation of membrane adenylate cyclase at a restriction point in late G1. Jegasothy BV, et al. **Immunochemistry** 15(8):551–5, Aug 78

Bordetella pertussis does not induce beta-adrenergic blockade. Hewlett E, et al. **Infect Immun** 22(2):430–4, Nov 78

Adenylate cyclase in silkworm. Properties of the enzyme in pupal fat body. Morishima I. **J Biochem (Tokyo)** 84(6):1495–500, Dec 78

Solubilization and reconstitution of dopamine-sensitive adenylate cyclase from bovine caudate nucleus. Hoffmann FM. **J Biol Chem** 254(2):255–8, 25 Jan 79

Coupling of glucagon receptor to adenylyl cyclase. Requirement of a receptor-related guanyl nucleotide binding site for coupling of receptor to the enzyme. Iyengar R, et al. **J Biol Chem** 254(4):1119–23, 25 Feb 79

Properties of the parathyroid hormone receptor-adenylate cyclase system in chicken renal plasma membranes. Nissenson RA, et al. **J Biol Chem** 254(5):1469–75, 10 Mar 79

Glucagon1–6 binds to the glucagon receptor and activates hepatic adenylate cyclase. Wright DE, et al. **J Biol Chem** 254(2):268–9, 25 Jan 79

Properties of protein kinase and adenylate cyclase-deficient variants of a macrophage-like cell line. Rosen N, et al. **J Cell Physiol** 98(1):125–36, Jan 79

Role of prostaglandin E (PGE) in the modulation of the action of vasopressin on water flow in the urinary bladder of the toad and mammalian kidney. Orloff J, et al. **J Membr Biol** 40 Spec No:297–304, 1978 (25 ref.)

Myopathy with paroxysmal myoglobinuria and focal muscle necrosis following enfluorane anaesthesia. Caccia MR, et al. **J Neurol Sci** 39(1):61–9, Nov 78

Effects of chlorine substituents on the benzene rings of an analogue of the antipsychotic drug butaclamol on the interaction with dopamine and muscarinic receptors in rat brain. Pugsley TA, et al. **J Pharm Pharmacol** 31(1):47–9, Jan 79

Comparative study of the dopamine-sensitive adenylate cyclase in the striatum and hypothalamus of rat brain. Roufogalis BD, et al. **J Pharm Pharmacol** 31(1):33–8, Jan 79

Transmission blockade and stimulation of ganglionic adenylate cyclase by catecholamines. Quenzer L, et al. **J Pharmacol Exp Ther** 208(1):31–6, Jan 79

Development of functional dependence on ethanol in dopaminergic systems. Tabakoff B, et al. **J Pharmacol Exp Ther** 208(2):216–22, Feb 79

Studies on cyclic nucleotides in the adrenal gland. VII. Cyclic AMP systems in the adrenal medulla in vivo. Shima S, et al. **Jpn J Pharmacol** 28(4):597–605, Aug 78

Vasoactive intestinal polypeptide (VIP) stimulates adenylate cyclase in selected areas of rat brain. Borghi C, et al. **Life Sci** 24(1):65–70, 1 Jan 79

Neurohypophyseal peptides in hypothyroid rats: plasma levels and kidney response. Seif SM, et al. **Metabolism** 28(2):137–43, Feb 79

Interations of gonadotropins with corpus luteum membranes. VII. Association of hCG-binding and adenylate cyclase activities with rabbit corpus luteum plasma-membranes. Bramley TA, et al. **Mol Cell Endocrinol** 12(3):319–25, Dec 78

Structural requirements for activation of vasopressin-sensitive adenylate cyclase, hormone binding, and antidiuretic actions: effects of highly potent analogues and competitive inhibitors. Butlen D, et al. **Mol Pharmacol** 14(6):1006–17, Nov 78

Human chorionic gonadotropin-induced Leydig cell refractoriness to gonadotropin stimulation. Saez JM, et al. **Mol Pharmacol** 14(6):1054–62, Nov 78

Striatal dopamine receptors become supersensitive while rats are geven trifluoperazine for six months. Clow A, et al. **Nature** 278(5699):59–61, 1 Mar 79

Multiple receptors for dopamine. Kebabian JW, et al. **Nature** 277(5692):93–6, 11 Jan 79 (75 ref.)

Activation of adenylate cyclase by vanadate. Schwabe U, et al. **Nature** 277(5692):143–5, 11 Jan 79

Asthma: a modern perspective. Leffert F. **Pediatrics** 62(6):1061–9, Dec 78 (51 ref.)

Gonadal luteinizing hormone receptors and adenylate cyclase: transfer of functional ovarian luteinizing hormone receptors to adrenal fasciculata cells. Dufau ML, et al. **Proc Natl Acad Sci USA** 75(10):4769–73, Oct 78

Action of halothane on myocardial adenylate cyclase of rat and cat. Gangat Y, et al. **Proc Soc Exp Biol Med** 160(2):154–9, Feb 79

Dopamine-receptor binding and adenylate-cyclase activity in mouse striatal tissue in the supersensitivity phase after neuroleptic treatment. Hyttel J. **Psychopharmacology (Berlin)** 59(3):211–6, 8 Dec 78

Platelet-endothelial cell interactions. Metabolic maps of structures and actions of prostaglandins, prostacyclin, thromboxane and cyclic AMP. Nalbandian RM, et al. **Semin Thromb Hemostas** 5(2):87–111, Fall 78 (62 ref.)

Gonadotropin receptors and regulation of steroidogenesis in the testis and ovary. Dufau ML, et al. **Vitam Horm** 36:461–592, 1978 (269 ref.)

Prostacyclin: a potent activator of human colonic adenylate cyclase activity. Simon B, et al. **Z Gastroenterol** 16(12):748–51, Dec 78

[The adrenaline-sensitive adenylate cyclase system (proceedings)] Hanoune J. **Arch Int Physiol Biochim** 86(4):837–8, Oct 78 **(Fre)**

[Membrane receptors of vasoactive intestinal peptide (VIP): hormone and neurotransmitter (proceedings)] Robberecht P. **Arch Int Physiol Biochim** 86(4):842–3, Oct 78 **(Fre)**

[Influence of thyroid state on noise-induced cochlea damage (author's transl)] Berndt H, et al. **Arch Otorhinolaryngol** 221(3):183–7, 31 Oct 78 (Eng. Abstr.) **(Ger)**

[Betazol--an effective activator of the adenylate cyclase system from human gastric mucosa, coupled to H 2 receptors] Simon B, et al. **Med Welt** 30(10):362–4, 9 Mar 79 **(Ger)**

[Insulin, glucagon binding and adenylate cyclase activity of liver plasma membranes in streptozotocin-diabetic rats] Bachmann W, et al. **Verh Dtsch Ges Inn Med** (84):1217–20, 1978 **(Ger)**

[Discovery and biological role of endogenous morphinomimetic peptides (author's transl)] Waluś KM. **Przegl Lek** 35(12):891–4, 1978 (Eng. Abstr.) **(Pol)**

[Adenylate cyclase activity in human embryo adrenals] Ryzhavskiĭ BIa. **Probl Endokrinol (Mosk)** 25(1):28–30, Jan-Feb 79 (Eng. Abstr.) **(Rus)**

[Cyclic nucleotides normally and in pathology] Korovkin BF, et al. **Voen Med Zh** (12):35–40, Dec 78 (32 ref.) **(Rus)**

[Cyclic AMP system in muscle tissue during prolonged hypokinesia] Antipenko AE, et al. **Vopr Med Khim** 24(6):765–8, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

[Cyclic 3',5'-AMP metabolism in progressive muscular dystrophy patients] Khokhlov AP, et al. **Vopr Med Khim** 24(6):754–8, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

[Adenyl cyclase activity of Ehrlich ascitic carcinoma cells in vitro] Simkhovich BZ. **Vopr Med Khim** 24(6):768–74, Nov-Dec 78 **(Rus)**

PHYSIOLOGY

Role of dopamine-sensitive adenylate cyclase in the sexual differentiation of the brain [proceedings] Ani M, et al.

J Endocrinol 79(2):31P-32P, Nov 78
The role of testicular adenylate cyclase in the hypogonadism of renal insufficiency. Kreusser W, et al.
Proc Eur Dial Transplant Assoc 15:622–4, 1978

GUANYL CYCLASE

ANALYSIS

Electroncytochemical and biochemical demonstration of guanylate cyclase activity in the pancreatic islet. Tse JS, et al. **Histochemistry** 58(4):297–305, 13 Dec 78

ISOLATION & PURIFICATION

Particulate guanylate cyclase of skeletal muscle: effects of Ca2+ and other divalent cations on enzyme activity. Levine SN, et al. **Biochim Biophys Acta** 566(1):171–82, 12 Jan 79

METABOLISM

Effects of prostaglandins, calcium, and bradykinin on guanylate cyclase in different organs. Roemer W, et al.
Acta Biol Med Ger 37(5–6):905–6, 1976
Mechanisms of action of cholera and Escherichia coli enterotoxins. Field M. **Am J Clin Nutr** 32(1):189–96, Jan 79 (28 ref.)
Activation of guanylate cyclase and inhibition of adenylate cyclase by cytotoxic preparations from marine sponges of Haliclona genus. Lad PJ, et al.
Biochem Biophys Res Commun 85(4):1472–9, 29 Dec 78
Particulate guanylate cyclase of skeletal muscle: effects of Ca2+ and other divalent cations on enzyme activity. Levine SN, et al. **Biochim Biophys Acta** 566(1):171–82, 12 Jan 79
A difference in effects of physiological Ca2+ concentrations on activity of guanylate cyclase preparations obtained from the taenia caecum of guinea pig and from the longitudinal muscle of rat duodenum. Takayanagi I, et al.
Eur J Pharmacol 52(3–4):389–92, 1 Dec 78
Electroncytochemical and biochemical demonstration of guanylate cyclase activity in the pancreatic islet. Tse JS, et al. **Histochemistry** 58(4):297–305, 13 Dec 78
Change in brain guanosine 3',5'-monophosphate (cGMP) content by thyrotropin-releasing hormone. Mailman RB, et al. **J Pharmacol Exp Ther** 208(2):169–75, Feb 79
Evidence for altered cyclic nucleotide metabolism during compensatory renal hypertrophy and neonatal kidney growth. Schlondorff D, et al. **Yale J Biol Med** 51(3):387–92, May-Jun 78
[Some membrane-bound enzyme activities during differentiation of nerve cells in culture (proceedings)] Ledig M, et al. **Arch Int Physiol Biochim** 86(4):873–4, Oct 78 **(Fre)**
[Submicroscopic features of guanylate cyclase detection in mammalian epithelial and myocardial cells] Shakhlamov VA, et al. **Biull Eksp Biol Med** 87(1):50–1, Jan 79 (Eng. Abstr.) **(Rus)**

HORMONES, ECTOPIC

Corticotropin, lipotropin, and beta-endorphin production by a human nonpituitary tumor in culture: evidence for a common precursor. Bertagna XY, et al.
Proc Natl Acad Sci USA 75(10):5160–4, Oct 78

BIOSYNTHESIS

Ectopic ACTH-MSH producing carcinoid tumor with multiple endocrine hyperplasia in a child. Amano S, et al.
Acta Pathol Jpn 28(5):721–30, Sep 78
Malignant melanoma producing serotonin. Horai T, et al.
Cancer 43(1):294–8, Jan 79
Bladder carcinoma associated with ectopic production of gonadotropin. Kawamura J, et al. **Cancer** 42(6):2773–80, Dec 78

BLOOD

Vipoma: localisation by percutaneous transhepatic portal venous sampling. Kingham JG, et al. **Br Med J** 2(6153):1682–3, 16 Dec 78

METABOLISM

Hypercalcemia and cancer: an update. Murray TM, et al.
Can Med Assoc J 119(8):915–20, 21 Oct 78 (65 ref.)

SECRETION

Poorly differentiated lymphocytic lymphoma with ectopic parathormone production: visulization of metastatic calcification by bone scan. Williamson BR, et al.
Clin Nucl Med 3(10):382–4, Oct 78

NEOPLASTIC ENDOCRINE-LIKE SYNDROMES

Familial multiple endocrine neoplasia type I (Wermer's syndrome). Lamers CB. **Neth J Med** 21(6):270–4, 1978

DIAGNOSIS

[Sonography and phlebography in the investigation of the suprarenals (author's transl)] Hofer B, et al. **ROEFO** 129(6):686–91, Dec 78 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

Coexistence of bilateral pheochromocytoma and pancreatic islet cell tumor: report of a case and review of the literature. Tateishi R, et al. **Cancer** 42(6):2928–34, Dec 78 (28 ref.)

FAMILIAL & GENETIC

Familial multiple endocrine neoplasia type I (Wermer's syndrome). Lamers CB. **Neth J Med** 21(6):270–4, 1978

PATHOLOGY

Coexistence of bilateral pheochromocytoma and pancreatic islet cell tumor: report of a case and review of the literature. Tateishi R, et al. **Cancer** 42(6):2928–34, Dec 78 (28 ref.)

RADIOGRAPHY

[Sonography and phlebography in the investigation of the suprarenals (author's transl)] Hofer B, et al. **ROEFO** 129(6):686–91, Dec 78 (Eng. Abstr.) **(Ger)**

NERVE GROWTH FACTOR

Changing concepts of neuroglial function. Smith BH.
Neurosurgery 2(2):175–80, Mar-Apr 78 (76 ref.)
Induction of neurite outgrowth by a conditioned-medium factor bound to the culture substratum. Collins F.
Proc Natl Acad Sci USA 75(10):5210–3, Oct 78

ADMINISTRATION & DOSAGE

Nerve growth factor: intense polydipsia of long duration produced by ventral diencephalic application. Perkins MS, et al. **Brain Res** 161(2):351–5, 2 Feb 79

BLOOD

Increased levels of a nerve-growth-factor cross-reacting protein in 'central' neurofibromatosis. Fabricant RN, et al.
Lancet 1(8106):4–7, 6 Jan 79

IMMUNOLOGY

On the mechanism of immunosympathectomy. Banks BE, et al. **Experientia** 34(10):1371–2, 15 Oct 78

ISOLATION & PURIFICATION

[Endocrine function of the salivary glands] Babaeva AG, et al. **Usp Sovrem Biol** 86(3):373–86, Nov-Dec 78 (86 ref.) **(Rus)**

METABOLISM

Nerve growth factor in the goldfish brain: biological assay studies using pheochromocytoma cells. Benowitz LI, et al.
Brain Res 162(1):164–8, 16 Feb 79
Retrograde axonal transport of nerve growth factor in the ciliary ganglion of the chick and the rat. Max SR, et al.
Brain Res 159(2):411–5, 29 Dec 78

PHARMACODYNAMICS

On the role of RNA synthesis in the selective induction of

tyrosine hydroxylase by nerve growth factor. Rohrer H, et al. **Brain Res** 159(2):436–9, 29 Dec 78

Induction of ornithine decarboxylase by nerve growth factor dissociated from effects on survival and neurite outgrowth. Greene LA, et al. **Nature** 276(5684):191–4, 9 Nov 78

Evidence for RNA synthesis–dependent and –independent pathways in stimulation of neurite outgrowth by nerve growth factor. Burstein DE, et al. **Proc Natl Acad Sci USA** 75(12):6059–63, Dec 78

[Endocrine function of the salivary glands] Babaeva AG, et al. **Usp Sovrem Biol** 86(3):373–86, Nov–Dec 78 (86 ref.) **(Rus)**

PROSTAGLANDINS

A triple test for screening biological activity of prostacyclin analogues. Gryglewski RJ, et al. **Experientia** 34(10):1336–8, 15 Oct 78

Studies on 15-hydroxyprostaglandin dehydrogenase with various prostaglandin analogues. Ohno H, et al. **J Biochem (Tokyo)** 84(6):1485–94, Dec 78

Prostaglandins and thromboxanes: pharmacologic and biosynthetic aspects. Hillier K. **Semin Perinatol** 2(3):187–210, Jul 78 (110 ref.)

[Swiss Society for Gynecology. Report of the Annual Meeting, 22–24 June 1978 in Biel] **Gynaekol Rundsch** 18 Suppl 1:1–168, 1978 **(Ger, Fre)**

ADMINISTRATION & DOSAGE

[Induction of abortion with prostaglandins] Haller U. **Gynaekol Rundsch** 18 Suppl 1:9–15, 1978 **(Ger)**

[Study of an inhibitor of platelet aggregation [prostacycline] derived from rat arterial wall (author's transl)] García-Conde J, et al. **Sangre (Barc)** 23(5):526–34, 1978 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Asthma: a modern perspective. Leffert F. **Pediatrics** 62(6):1061–9, Dec 78 (51 ref.)

ANALYSIS

Prevention of cystoid macular edema after lens extraction by topical indomethacin (III) radioimmunoassay measurement of prostaglandins in the aqueous during and after lens extraction procedures. Miyake K, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 209(2):83–8, 15 Dec 78

Use of the rabbit transverse stomach–strip to identify and assay prostacyclin, PGA2, PGD2 and other prostaglandins. Whittle BJ, et al. **Eur J Pharmacol** 53(2):167–72, 1 Jan 79

The ocular hypertensive response following experimental acid burns in the rabbit eye. Paterson CA, et al. **Invest Ophthalmol Vis Sci** 18(1):67–74, Jan 79

Prostaglandins and thromboxanes: pharmacologic and biosynthetic aspects. Hillier K. **Semin Perinatol** 2(3):187–210, Jul 78 (110 ref.)

BIOSYNTHESIS

In vitro prostaglandin biosynthesis in human pregnant uterus from arachidonic acid. Falkay G, et al. **Acta Biol Med Ger** 37(5–6):941–3, 1976

Influence of the selective prostaglandin biosynthesis inhibitor, gold, on the arterial pressure of normotensive and spontaneously hypertensive rats. Hoffmann P, et al. **Acta Biol Med Ger** 37(5–6):887–8, 1976

Are prostaglandins involved in the regulation of coronary blood flow? A review of the evidence. Parratt JR, et al. **Acta Biol Med Ger** 37(5–6):747–54, 1976

Changes of prostaglandin synthesis in aorta, brain and kidney medulla of normal rats treated with antihypertensive drugs. Taube C, et al. **Acta Biol Med Ger** 37(5–6):889–90, 1976

Isolation and properties of enzymes involved in prostaglandin biosynthesis. van Dorp DA, et al. **Acta Biol Med Ger** 37(5–6):691–9, 1976

Prostaglandin-mediated inhibition of noradrenaline release. VI. On the intra-cardiac source of prostaglandins released from isolated rabbit hearts. Wennmalm A. **Acta Physiol Scand** 105(2):254–6, Feb 79

Pulmonary vascular effects of endotoxin in leukopenic dogs. Mlczoch J, et al. **Am Rev Respir Dis** 118(6):1097–9, Dec 78

The effect of indoprofen on phenylquinone-writhing and prostaglandin synthesis. Styles VG, et al. **Arch Int Pharmacodyn Ther** 235(1):43–50, Sep 78

Anti-platelet drugs: rationale for use. Hardisty RM. **Bibl Haematol** 44:181–7, 1977 (17 ref.)

Accelerative autoactivation of prostaglandin biosynthesis by PGG2. Hemler ME, et al. **Biochem Biophys Res Commun** 85(4):1325–31, 29 Dec 78

Regulation of prostaglandin synthesis and of the selective release of lysosomal hydrolases by mouse peritoneal macrophages. Bonney RJ, et al. **Biochem J** 176(2):433–42, 15 Nov 78

Platelet storage pool deficiency and prostaglandin synthesis in chronic granulocytic leukaemia. Gerrard JM, et al. **Br J Haematol** 40(4):597–607, Dec 78

Effects of sulphinpyrazone and aspirin on prostaglandin I2 (prostacyclin) synthesis by endothelial cells. Gordon JL, et al. **Br J Pharmacol** 64(4):481–3, Dec 78

Myocardial synthesis of prostaglandin-like substances and coronary reactions to cardiostimulation and to hypoxia. Sunahara FA, et al. **Br J Pharmacol** 65(1):71–85, Jan 79

Effects of nicotine on cardiac prostaglandin and platelet thromboxane synthesis. Wennmalm A. **Br J Pharmacol** 64(4):559–63, Dec 78

A new circulatory hormone: prostacyclin. Gryglewski RJ. **Bull Mem Acad R Med Belg** 133(9):470–4, 21 Oct 78

Endogenous prostaglandin synthesis inhibitor in the renal cortex. Effects on production of prostacyclin by renal blood vessels. Terragno NA, et al. **Clin Sci Mol Med** 55 Suppl 4:199s–202s, Dec 78

Some properties of prostacyclin synthase from pig aorta. Wlodawer P, et al. **FEBS Lett** 97(1):32–6, 1 Jan 79

Prostaglandins and the heart. Sivakoff M, et al. **Fed Proc** 38(1):78–82, Jan 79

Prostaglandin production by rhesus monkey corpora lutea in vitro. Balmaceda J, et al. **Fertil Steril** 31(2):214–6, Feb 79

Prostaglandin I2 synthesis and vascular effects in isolated coronary artery. pp. 122–8. Needleman P, et al. **In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.** (15 ref.)

Metabolism of arachidonic acid in rabbit alveolar macrophages. Sahu S, et al. **Inflammation** 2(3):191–7, Sep 77

Metabolism of arachidonic acid in rabbit ocular tissues. Bhattacherjee P, et al. **Invest Ophthalmol Vis Sci** 18(2):172–8, Feb 79

Prostaglandin and thromboxane synthesis by microsomes of rabbit ocular tissues. Kass MA, et al. **Invest Ophthalmol Vis Sci** 18(2):166–71, Feb 79

Are microtubules involved in luteolysis? [proceedings] Hall AK, et al. **J Endocrinol** 79(2):42P–43P, Nov 78

Postpartum renal insufficiency. Ferris TF. **Kidney Int** 14(4):383–92, Oct 78

Rectal mucosa prostacyclin formation in ulcerative colitis [letter] Sinzinger H, et al. **Lancet** 1(8113):444, 24 Feb 79

Effect of beta-mimetic isoxsuprine on prostaglandin biosynthesis in pregnant human myometrium in vitro. Falkay G, et al. **Life Sci** 23(27–28):2689–96, 31 Dec 78

Metabolism of benzo(a)pyrene to reactive intermediate(s) via prostaglandin biosynthesis. Sivarajah K, et al. **Life Sci** 23(26):2571–8, 25 Dec 78

Prostaglandin synthesis inhibited by formamidine pesticides. Yim GK, et al. **Life Sci** 23(25):2509–15, 18 Dec 78

Tartrazine and prostaglandin-system. Ceserani R, et al. **Prostaglandins Med** 1(6):499–505, Dec 78

Adriamycin stimulates canine kidney (MDCK) cells to deacylate cellular lipids and to produce prostaglandins. Ohuchi K, et al. **Prostaglandins Med** 1(6):433–9, Dec 78

The effects of anti-inflammatory drugs on prostaglandin production by rheumatoid synovial tissue. Robinson DR, et al. **Prostaglandins Med** 1(6):461–77, Dec 78

The effect of inhibition of prostaglandin synthesis on plasma renin activity and blood pressure in essential hypertension. Ylitalo P, et al. **Prostaglandins Med** 1(6):479–88, Dec 78

Prostaglandins and thromboxanes: pharmacologic and biosynthetic aspects. Hillier K. **Semin Perinatol** 2(3):187–210, Jul 78 (110 ref.)

Hormonal control of parturition in the sheep and goat. Thorburn GD. **Semin Perinatol** 2(3):235–45, Jul 78 (64 ref.)

Platelet-endothelial cell interactions. Metabolic maps of structures and actions of prostaglandins, prostacyclin, thromboxane and cyclic AMP. Nalbandian RM, et al. **Semin Thromb Hemostas** 5(2):87–111, Fall 78 (62 ref.)

The platelet dense tubular system: its relationship to prostaglandin synthesis and calcium flux. Gerrard JM, et al. **Thromb Haemost** 40(2):224–31, 31 Oct 78 (15 ref.)

Effect of ticlopidine and acetylsalicylic acid on generation of prostaglandin I2-like substance in rat arterial tissue. Ashida S, et al. **Thromb Res** 13(5):901–8, Nov 78

Unbalanced prostaglandin synthesis and plasma factors in uraemic bleeding. A hypothesis. Remuzzi G, et al. **Thromb Res** 13(3):531–6, Sep 78

Effects of cannabinoids on reproduction and development. Bloch E, et al. **Vitam Horm** 36:203–58, 1978 (236 ref.)

[Effect of lymphokines produced in a grafted system on production of prostaglandins by macrophages] Dy M, et al. **C R Acad Sci [D] (Paris)** 287(6):663–6, 25 Sep 78 (Eng. Abstr.) **(Fre)**

[Inhibitors of prostaglandin synthesis] Dreher E. **Gynaekol Rundsch** 18 Suppl 1:48–60, 1978 **(Ger)**

[Formation of primary prostaglandins E1 and F2 alpha in the uterus and ovary. Studies on plasma concentrations in local blood vessels] Seifert B, et al. **Zentralbl Gynaekol** 100(21):1368–74, 1978 (Eng. Abstr.) **(Ger)**

[Structural foundation for the functional connections of the endocrine apparatus and nervous system of the kidneys] Serov VV, et al. **Arkh Patol** 40(11):3–11, 1978 (76 ref.) (Eng. Abstr.) **(Rus)**

BLOOD

Lack of correlation between total catecholamines, dopamine–beta–hydroxylase, cyclic AMP and prostaglandins in blood after physical load. Ryšánek K, et al. **Act Nerv Super (Praha)** 20(4):301, 1978

Determination of prostaglandins and other products of arachidonate oxygenation in perfusates and during platelet aggregation. Nugteren DH, et al. **Acta Biol Med Ger** 37(5–6):701–6, 1976

Increased blood level of prostaglandin–like substances during cardiopulmonary bypass in the dog. Cedro A, et al. **Cardiovasc Res** 12(9):516–22, Sep 78

Implications of prostacyclin generation for modulation of vascular tone. Dusting GJ, et al. **Clin Sci Mol Med** 55 Suppl 4:195s–198s, Dec 78

Increased glomerular filtration in burned patients [letter] **N Engl J Med** 300(12):680, 22 Mar 79

[Uterine prostaglandins and dysmenorrhea] Seifert B, et al. **Zentralbl Gynaekol** 100(21):1361–6, 1978 (Eng. Abstr.) **(Ger)**

CEREBROSPINAL FLUID

[Primary prostaglandins in the cerebrospinal fluid in the course of epilepsy in children] Zaorska B. **Pediatr Pol** 53(12):1341–7, 1978 (Eng. Abstr.) **(Pol)**

DEFICIENCY

The effects of deprivation of prostaglandin precursors on vascular sensitivity to angiotensin II and on the kidney in the pregnant rabbit. O'Brien PM, et al. **Br J Pharmacol** 65(1):29–34, Jan 79

METABOLISM

Effects of unsaturated fatty acids on canine coronary flow. Blass KE, et al. **Acta Biol Med Ger** 37(5–6):765–7, 1976

Influence of coronary vasodilators on prostaglandin E, F2alpha, I2, and adenosine metabolism. Förster W, et al. **Acta Biol Med Ger** 37(5–6):755–63, 1976

The influence of corticosteroids on prostaglandin release from various organs. Grodzińska L, et al. **Acta Biol Med Ger** 37(5–6):891–3, 1976

Influence of linoleic acid content of the diet on arterial pressure of salt loaded rats. I. Effects on prostaglandin metabolism and sympathetic nervous system. Hoffmann P, et al. **Acta Biol Med Ger** 37(5–6):863–7, 1976

Influence of coronary active substances on prostaglandin and adenosine release and coronary autoregulation. Zehl U, et al. **Acta Biol Med Ger** 37(5–6):769–71, 1976

Prostaglandin–mediated inhibition of noradrenaline release. VI. On the intra–cardiac source of prostaglandins released from isolated rabbit hearts. Wennmalm A. **Acta Physiol Scand** 105(2):254–6, Feb 79

Prostaglandins and gastrointestinal function. Occhipinti M. **Adv Pediatr** 25:205–21, 1978

Lack of release of prostaglandins from isolated perfused lungs during pulmonary hypertension and oedema. Scott E, et al. **Br J Pharmacol** 65(2):197–204, Feb 79

The role of prostaglandins in the pathogenesis of hypertension. Markov CM. **Clin Sci Mol Med** 55 Suppl 4:207s–210s, Dec 78

Endogenous prostaglandin synthesis inhibitor in the renal cortex. Effects on production of prostacyclin by renal blood vessels. Terragno NA, et al. **Clin Sci Mol Med** 55 Suppl 4:199s–202s, Dec 78

Prostaglandin metabolism in the fetal and maternal vasculature. Terragno NA, et al. **Fed Proc** 38(1):75–7, Jan 79

Prostaglandins as modulators of pain. Juan H. **Gen Pharmacol** 9(6):403–9, 1978 (79 ref.)

Prostacyclin (PGI2), the vascular wall and vasodilatation. pp. 107–21. Moncada S, et al. **In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.** (107 ref.)

Decreased vascular prostacyclin in juvenile–onset diabetes [letter] Silberbauer K, et al. **N Engl J Med** 300(7):366–7, 15 Feb 79

Release of 15–keto–13, 14–dihydro–thromboxane B2 and prostaglandin D2 during anaphylaxis as measured by radioimmunoassay. Anhut H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 305(3):247–52, 27 Dec 78

Enhanced prostacyclin availability of blood vessels in uraemic humans and rats. Leithner C, et al. **Proc Eur Dial Transplant Assoc** 15:418–23, 1978

Vascular factors in the pathogenesis of uraemic bleeding. Remuzzi G, et al. **Proc Eur Dial Transplant Assoc** 15:449–55, 1978

Platelet–endothelial cell interactions. Metabolic maps of structures and actions of prostaglandins, prostacyclin, thromboxane and cyclic AMP. Nalbandian RM, et al. **Semin Thromb Hemostas** 5(2):87–111, Fall 78 (62 ref.)

Intracellular regulation of the metabolism of arachidonic acid in human platelets. Bills TK, et al. **Thromb Haemost** 40(2):219–23, 31 Oct 78 (21 ref.)

[Pathophysiology of lung embolism] Lasch HG. **Verh Dtsch Ges Inn Med** (84):287–98, 1978 (46 ref.) **(Ger)**

[Regional distribution of prostaglandin–metabolizing enzymes in the mucosa of the upper human gastrointestinal tract] Peskar BM, et al. **Verh Dtsch Ges Inn Med** (84):1009–11, 1978 **(Ger)**

[Effect of hypoxia on pulmonary circulation] Khomaziuk AI. **Patol Fiziol Eksp Ter** (6):3–13, Nov–Dec 78 (99 ref.) **(Rus)**

PHARMACODYNAMICS

Comparative effects of prostaglandins on the embryonic myocardium. Boroyan RG, et al. **Acta Biol Med Ger** 37(5–6):797–9, 1976

A possible role of thromboxane A2 (TXA2) and prostacyclin (PGI2) in circulation. Gryglewski RJ, et al. **Acta Biol Med Ger** 37(5–6):715–23, 1976

Influence of counter–irritation by carrageenin on inflammatory reactions induced by prostaglandins, serotonin, histamine, compound 48/80, carrageenin and Freund's complete adjuvant. Hirschelmann R, et al. **Acta Biol Med Ger** 37(5–6):913–5, 1976

Definition of prostaglandin–sensitive arterial constrictor systems. Jones RL. **Acta Biol Med Ger** 37(5–6):837–44, 1976

Renal prostaglandins and renin release. Larsson C, et al. **Acta Biol Med Ger** 37(5–6):857–62, 1976

The antiarrhythmic action of prostacyclin (PGI2) on aconitine induced arrhythmias in rats. Mest HJ, et al. **Acta Biol Med Ger** 37(5–6):827–8, 1976

The effects of various prostaglandins on the heart damaged by calcium deficiency and verapamil application. Rettkowski W, et al. **Acta Biol Med Ger** 37(5–6):815–6, 1976

Interactions of verapamil and prostaglandins F2alpha, D2, I2, A1 and E1 in isolated hearts and coronary preparations. Rettkowski W, et al. **Acta Biol Med Ger** 37(5–6):807–9, 1976

The effect of prostaglandin D2 on isolated perfused guinea–pig hearts. Taube C, et al. **Acta Biol Med Ger** 37(5–6):773–5, 1976

The general pharmacology of prostacyclin PGI2, (PGX): a new prostaglandin especially active on the cardivascular system. Weeks JR. **Acta Biol Med Ger** 37(5–6):707–14, 1976

Some actions of prostacyclin (PGI2) on the cardiovascular system and the gastric microcirculation. Whittle BJ, et al. **Acta Biol Med Ger** 37(5–6):725–8, 1976

Regional changes in structure and function of adrenergic nerves in guinea–pig uterus during pregnancy. Thorbert G. **Acta Obstet Gynecol Scand [Suppl]** (79):1–32, 1978

Prostaglandins: physiological and clinical correlations. Friedman WF, et al. **Adv Pediatr** 25:151–204, 1978 (173 ref.)

Prostaglandins: an overview. McCarthy JA. **Adv Pediatr** 25:121–49, 1978

Prostaglandins and gastrointestinal function. Occhipinti M. **Adv Pediatr** 25:205–21, 1978

Prostaglandins and tetrodotoxin–insensitive relaxation of opossum lower esophageal sphincter. Daniel EE, et al. **Am J Physiol** 236(2):E153–72, Feb 79

Effect of various prostaglandins on the metabolism of fructose by epididymal and ejaculated ram spermatozoa in vitro. Marley PB, et al. **Andrologia** 10(6):453–63, Nov–Dec 78

Effects of prostaglandins and indomethacin on rat epididymal responses to norepinephrine and acetylcholine. Hib J, et al. **Arch Androl** 1(1):43–7, 1978

APPENDIX

Albumin permeation through the isolated rat mesentery. Pharmacological and biochemical aspects. Brachet E. **Arch Int Physiol Biochim** 86(3):653–7, Aug 78

The regulation of amino acid transport in animal cells. Guidotti GG, et al. **Biochim Biophys Acta** 515(4):329–66, 15 Dec 78 (430 ref.)

Prostacyclin (prostaglandin I2, PGI2) inhibits platelet adhesion and thrombus formation on subendothelium. Weiss HJ, et al. **Blood** 53(2):244–50, Feb 79

Responses of human and baboon arteries to prostaglandin endoperoxides and biologically generated and synthetic prostacyclin: their relevance to cerebral arterial spasm in man. Boullin DJ, et al. **Br J Clin Pharmacol** 7(2):139–47, Feb 79

The hemodynamic effects of prostaglandins in the rat. Evidence for important species variation in renovascular responses. Gerber JG, et al. **Circ Res** 44(3):406–10, Mar 79

Effects of hormones on osteocyte function and periiacunar wall structure. Baud CA, et al. **Clin Orthop** (136):270–81, Oct 78 (81 ref.)

Possible role of endogenous prostaglandins in glucagon secretion by isolated guinea-pig islets. Luyckx AS, et al. **Diabetologia** 15(5):411–6, Nov 78

Use of the rabbit transverse stomach-strip to identify and assay prostacyclin, PGA2, PGD2 and other prostaglandins. Whittle BJ, et al. **Eur J Pharmacol** 53(2):167–72, 1 Jan 79

Stimulation of the initiation of DNA synthesis and cell division in several cultured mouse cell types. Effect of growth-promoting hormones and nutrients. O'Farrell MK, et al. **Exp Cell Res** 118(2):311–21, Feb 79

A triple test for screening biological activity of prostacyclin analogues. Gryglewski RJ, et al. **Experientia** 34(10):1336–8, 15 Oct 78

On the lymphatic spread of cancer. Stein-Werblowsky R. **Experientia** 34(10):1340–1, 15 Oct 78

Modulation of human platelet function by prostacyclin and thromboxane A2. Gorman RR. **Fed Proc** 38(1):83–8, Jan 79

Prostaglandins and the heart. Sivakoff M, et al. **Fed Proc** 38(1):78–82, Jan 79

beta-Adrenoceptor blocking drugs and hypertension. Buckingham RE, et al. **Gen Pharmacol** 10(1):1–13, 1979 (140 ref.)

Prostaglandin regulated macrophage collagenase. pp. 181–90. Wahl LM, et al.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

Interactions of locally produced humoral substances in regulation of the microcirculation. pp. 98–106. Altura BM, et al.
In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977. (33 ref.)

Prostacyclin (PGI2), the vascular wall and vasodilatation. pp. 107–21. Moncada S, et al.
In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977. (107 ref.)

Effects of prostaglandins and norepinephrine on ocular pressure and pupil size in rabbits following bilateral cervical ganglionectomy. Waitzman MB, et al. **Invest Ophthalmol Vis Sci** 18(1):52–60, Jan 79

Stimulation of human foreskin fibroblast adenosine 3':5'-cyclic monophosphate levels by prostacyclin (prostaglandin I2). Gorman RR, et al. **J Biol Chem** 254(5):1671–6, 10 Mar 79

Selective suppression by adherent cells, prostaglandin, and cyclic AMP analogues of blastogenesis induced by different mitogens. Novogrodsky A, et al. **J Immunol** 122(1):1–7, Jan 79

Prostacyclin effects on renal hemodynamic and excretory functions in the rat. Baer PG, et al. **J Pharmacol Exp Ther** 208(2):294–7, Feb 79

Prostacyclin: a potent coronary dilating agent in the rat isolated heart [proceedings] Link HB, et al. **J Physiol (Lond)** 284:106P–107P, Nov 78

Effects of prostacyclin and 6-keto PGF1alpha on electrically induced convulsions in mice. Rosenkranz RP, et al. **Life Sci** 23(26):2609–16, 25 Dec 78

20-Methyl-prostacyclin analogs--a two stage screening procedure for biological properties. Gandolfi CA, et al. **Pharmacol Res Commun** 10(10):885–96, Nov 78

The effects of prostaglandins on cAMP levels in subpopulations of mouse lymphocytes. Webb DR. **Prostaglandins Med** 1(6):441–53, Dec 78

Prostacyclin (PGI2) and thromboxane A2 interaction in vivo. Regulation by aspirin and relationship with anti-thrombotic therapy. Korbut R, et al. **Thromb Res** 13(3):489–500, Sep 78

Prostacyclin: a potent activator of human colonic adenylate cyclase activity. Simon B, et al. **Z Gastroenterol** 16(12):748–51, Dec 78

[Effect of lymphokines produced in a grafted system on production of prostaglandins by macrophages] Dy M, et al. **C R Acad Sci [D] (Paris)** 287(6):663–6, 25 Sep 78 (Eng. Abstr.) **(Fre)**

[Properties of vagal excitation transfer to the heart atrium] Nilius B. **Acta Biol Med Ger** 37(3):453–62, 1978 (Eng. Abstr.) **(Ger)**

[Induction of abortion with prostaglandins] Haller U. **Gynaekol Rundsch** 18 Suppl 1:9–15, 1978 **(Ger)**

PHYSIOLOGY

A possible role of thromboxane A2 (TXA2) and prostacyclin (PGI2) in circulation. Gryglewski RJ, et al. **Acta Biol Med Ger** 37(5–6):715–23, 1976

Renal prostaglandins and renin release. Larsson C, et al. **Acta Biol Med Ger** 37(5–6):857–62, 1976

Are prostaglandins involved in the regulation of coronary blood flow? A review of the evidence. Parratt JR, et al. **Acta Biol Med Ger** 37(5–6):747–54, 1976

The production of prostaglandin I2 in heart and blood vessels and its physiological role in heart function and thromboregulation. ten Hoor F, et al. **Acta Biol Med Ger** 37(5–6):729–30, 1976

The role of cyclic nucleotides and prostaglandins in heart function. Vapaatalo H, et al. **Acta Biol Med Ger** 37(5–6):785–95, 1976

Prostaglandins: physiological and clinical correlations. Friedman WF, et al. **Adv Pediatr** 25:151–204, 1978 (173 ref.)

Prostaglandins: an overview. McCarthy JA. **Adv Pediatr** 25:121–49, 1978

The role of primary prostaglandins in ocular inflammation as demonstrated by the effects of MK-447 in the rabbit eye. Gautheron PD, et al. **Agents Actions** 8(6):629–35, Dec 78

Involvement of prostaglandins from rheumatoid synovium in inhibition of articular cartilage metabolism. Lippiello L, et al. **Arthritis Rheum** 21(8):909–17, Nov-Dec 78

Cyclic changes in antral fluid hormone concentrations in humans. McNatty KP. **Clin Endocrinol Metab** 7(3):577–600, Nov 78

New developments in prostaglandin and thromboxane research: introduction. McGiff JC. **Fed Proc** 38(1):64–5, Jan 79

Compartmentalization of prostaglandins and prostacyclin within the kidney: implications for renal function. McGiff JC, et al. **Fed Proc** 38(1):89–93, Jan 79

The role of prostacyclin in vascular tissue. Moncada S, et al. **Fed Proc** 38(1):66–71, Jan 79 (97 ref.)

The participation of prostaglandins in the control of renin release. Oates JA, et al. **Fed Proc** 38(1):72–4, Jan 79

Prostaglandins as modulators of pain. Juan H. **Gen Pharmacol** 9(6):403–9, 1978 (79 ref.)

Gastrointestinal cytoprotection by prostaglandins. Miller TA, et al. **Gut** 20(1):75–87, Jan 79 (98 ref.)

The ocular hypertensive response following experimental acid burns in the rabbit eye. Paterson CA, et al. **Invest Ophthalmol Vis Sci** 18(1):67–74, Jan 79

New knowledge of the pathogenesis of gout. Scott JT. **J Clin Pathol [Suppl]** (12):205–13, 1978 (46 ref.)

Aspirin: an update. Biesterfeld RC, et al. **J Endod** 4(7):198–202, Jul 78 (58 ref.)

The renal kallikrein-kinin system in human and in experimental hypertension. Carretero OA, et al. **Klin Wochenschr** 56 Suppl 1:113–25, 1978 (101 ref.)

Increased glomerular filtration in burned patients [letter] **N Engl J Med** 300(12):680, 22 Mar 79

Prostaglandins and thromboxanes. Samuelsson B. **Recent Prog Horm Res** 34:239–58, 1978 (59 ref.)

Control of parturition in subhuman primates. Challis JR, et al. **Semin Perinatol** 2(3):247–60, Jul 78 (66 ref.)

Ripening of the cervix. Liggins GC. **Semin Perinatol** 2(3):261–71, Jul 78 (56 ref.)

Initiation of parturition in the human female. MacDonald PC, et al. **Semin Perinatol** 2(3):273–86, Jul 78

Parturition in rodents. Nathanielsz PW. **Semin Perinatol** 2(3):223–34, Jul 78 (86 ref.)

Vessel wall models for studying interaction capabilities with blood platelets. Barnhart MI, et al. **Semin Thromb Hemostas** 5(2):112–55, Fall 78 (187 ref.)

Platelet-endothelial cell interactions. Metabolic maps of structures and actions of prostaglandins, prostacyclin, thromboxane and cyclic AMP. Nalbandian RM, et al. **Semin Thromb Hemostas** 5(2):87–111, Fall 78 (62 ref.)

The role of prostaglandins in expulsion of adult Trichinella spiralis. Influence of indomethacin on the course of experimental trichinellosis in mice. Karmańska K, et al. **Wiad Parazytol** 24(6):661–70, 1978 (Eng. Abstr.)

[Causes of the onset of labor] Katsulov A.

Akush Ginekol (Sofiia) 17(6):447–56, 1978 (61 ref.) (Eng. Abstr.) **(Bul)**

[The onset of labor in women] Eskes TK. **Ned Tijdschr Geneeskd** 123(7):247–54, 17 Feb 79 **(Dut)**

[Significance of prostaglandins for fat and carbohydrate metabolism with special reference to pathogenesis of diabetes mellitus] Förster W. **Z Gesamte Inn Med** 33(23):845–51, 1 Dec 78 (72 ref.) (Eng. Abstr.) **(Ger)**

[Structural foundation for the functional connections of the endocrine apparatus and nervous system of the kidneys] Serov VV, et al. **Arkh Patol** 40(11):3–11, 1978 (76 ref.) (Eng. Abstr.) **(Rus)**

[Anti-inflammatory drugs and their working mechanism] Pohto P. **Odontol Samf Finl Arsb** :27–36, 1977 **(Swe)**

SECRETION

Aetiological aspects of ulcerative colitis [letter] Das UN. **J Assoc Physicians India** 26(2):140–1, Feb 78

THERAPEUTIC USE

Application of prostaglandins in obstetrics and gynecology. Brunnberg FJ. **Acta Biol Med Ger** 37(5–6):917–21, 1976

Postconceptional prostaglandin therapy. Sas M. **Acta Biol Med Ger** 37(5–6):931–5, 1976

Prostaglandins: physiological and clinical correlations. Friedman WF, et al. **Adv Pediatr** 25:151–204, 1978 (173 ref.)

Prostaglandins: an overview. McCarthy JA. **Adv Pediatr** 25:121–49, 1978

Gastrointestinal cytoprotection by prostaglandins. Miller TA, et al. **Gut** 20(1):75–87, Jan 79 (98 ref.)

Haemodialysis without heparin. Woods HF, et al. **Proc Eur Dial Transplant Assoc** 15:122–9, 1978

Ripening of the cervix. Liggins GC. **Semin Perinatol** 2(3):261–71, Jul '78 (56 ref.)

[New attempts at conservative treatment of duodenal and peptic ulcer] Jędrzejewski R, et al. **Pol Przegl Chir** 50(9):791–5, Sep 78 **(Pol)**

URINE

The influence of a linoleic acid–rich diet and of acetyl salicylic acid on NaCl induced hypertension, Na+—and H2O–blance and urinary prostaglandin excretion in rats. ten Hoor F, et al. **Acta Biol Med Ger** 37(5–6):875–7, 1976

Acute unilateral ureteral occlusion increases plasma renin activity and contralateral urinary prostaglandin excretion in rabbits. Oliw E. **Eur J Pharmacol** 53(1):95–102, 15 Dec 78

PROSTAGLANDINS A

ADMINISTRATION & DOSAGE

Effects of prostaglandin A2 and E2 on renal function and renin release. Matsumura T, et al. **Jpn Circ J** 42(8):927–38, Aug 78

ANALYSIS

Use of the rabbit transverse stomach–strip to identify and assay prostacyclin, PGA2, PGD2 and other prostaglandins. Whittle BJ, et al. **Eur J Pharmacol** 53(2):167–72, 1 Jan 79

BLOOD

Lack of correlation between total catecholamines, dopamine–beta–hydroxylase, cyclic AMP and prostaglandins in blood after physical load. Ryšánek K, et al. **Act Nerv Super (Praha)** 20(4):301, 1978

[Effect of acute furosemide load on the level of blood prostaglandins in healthy persons and patients with hypertension] Shkhvatsabaia IK, et al. **Ter Arkh** 50(12):41–6, 1978 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Comparative effects of prostaglandins on the embryonic myocardium. Boroyan RG, et al. **Acta Biol Med Ger** 37(5–6):797–9, 1976

Comparative effects of prostaglandin F2alpha and A2 on the cardiac transmembrane potentials. Kecskeméti V, et al. **Acta Biol Med Ger** 37(5–6):821–4, 1976

Interactions of verapamil and prostaglandins F2alpha, D2, I2, A1 and E1 in isolated hearts and coronary preparations. Rettkowski W, et al. **Acta Biol Med Ger** 37(5–6):807–9, 1976

The effects of various prostaglandins on the heart damaged by calcium deficiency and verapamil application. Rettkowski W, et al. **Acta Biol Med Ger** 37(5–6):815–6, 1976

Influence of linoleic acid in the diet on arterial pressure of salt loaded rats. II. Effects on plasma catecholamine concentration, renin activity, and reactivity of isolated vessels. Somova L, et al. **Acta Biol Med Ger** 37(5–6):869–73, 1976

Effect of prostaglandin A1, E2 and F2alpha on the monoamine oxidase (MAO) activity in rat liver and brain. Vijayalakshmi V, et al. **Biochem Pharmacol** 27(24):2961–2, 1978

Lipid chemotaxins isolated from culture filtrates of Escherichia coli and from oxidized lipids. Sahu S, et al. **Inflammation** 2(1):47–54, Mar 77

Effects of prostaglandin A2 and E2 on renal function and renin release. Matsumura T, et al. **Jpn Circ J** 42(8):927–38, Aug 78

[Effects of prostaglandins E1, E2, A1 and A2 on the systemic and pulmonary circulations in dogs (author's transl)] Kazui T. **Nippon Kyobu Geka Gakkai Zasshi** 26(11):1375–82, Nov 78 (Eng. Abstr.) **(Jpn)**

PROSTAGLANDINS D

BIOSYNTHESIS

In vitro prostaglandin biosynthesis in human pregnant uterus from arachidonic acid. Falkay G, et al. **Acta Biol Med Ger** 37(5–6):941–3, 1976

METABOLISM

Purification and characterisation of prostaglandin endoperoxide D–isomerase, a cytoplasmic, glutathione–requiring enzyme. Christ–Hazelhof E, et al. **Biochim Biophys Acta** 572(1):43–51, 29 Jan 79

Release of 15–keto–13, 14–dihydro–thromboxane B2 and prostaglandin D2 during anaphylaxis as measured by radioimmunoassay. Anhut H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 305(3):247–52, 27 Dec 78

PHARMACODYNAMICS

Influence of counter–irritation by carrageenin on inflammatory reactions induced by prostaglandins, serotonin, histamine, compound 48/80, carrageenin and Freund's complete adjuvant. Hirschelmann R, et al. **Acta Biol Med Ger** 37(5–6):913–5, 1976

Interactions of verapamil and prostaglandins F2alpha, D2, I2, A1 and E1 in isolated hearts and coronary preparations. Rettkowski W, et al. **Acta Biol Med Ger** 37(5–6):807–9, 1976

The effect of prostaglandin D2 on isolated perfused guinea–pig hearts. Taube C, et al. **Acta Biol Med Ger** 37(5–6):773–5, 1976

Some actions of prostacyclin (PGI2) on the cardiovascular system and the gastric microcirculation. Whittle BJ, et al. **Acta Biol Med Ger** 37(5–6):725–8, 1976

Concurrent studies of oxygen consumption and aggregation in stimulated human platelets. Bressler NM, et al. **Blood** 53(2):167–78, Feb 79

The hemodynamic effects of prostaglandins in the rat. Evidence for important species variation in renovascular responses. Gerber JG, et al. **Circ Res** 44(3):406–10, Mar 79

PROSTAGLANDINS E

[Induction of labor with prostaglandins] Béguin F. **Gynaekol Rundsch** 18 Suppl 1:16–27, 1978 **(Fre)**

ADMINISTRATION & DOSAGE

The routine use of oral prostaglandin E2 tablets for induction or augmentation of labour. Gordon–Wright AP, et al. **Acta Obstet Gynecol Scand** 58(1):23–6, 1979

Augmentation of hyperosmolar urea for midtrimester induced abortion: comparison of two methods. Burkman RT, et al. **Adv Plann Parent** 13(3–4):51–5, 1978

The stretch modulus of human cervical tissue in spontaneous, oxytocin–induced, and prostaglandin E2–induced labor. Conrad JT, et al. **Am J Obstet Gynecol** 133(1):11–4, 1 Jan 79

Effects of prostaglandin E1 on pulmonary circulation in patients with pulmonary hypertension. Szczeklik J, et al. **Br Heart J** 40(12):1397–401, Dec 78

Prostaglandin E2 tablets used intravaginally for the induction of labour. Gordon–Wright AP, et al.

APPENDIX

Br J Obstet Gynaecol 86(1):32–6, Jan 79

A comparison of four methods of ripening the unfavourable cervix. Wilson PD. **Br J Obstet Gynaecol** 85(12):941–4, Dec 78

Effect of prostaglandin E2 and F2alpha on serum luteinizing hormone, testosterone and prolactin in bulls. Haynes NB, et al. **J Anim Sci** 47(4):923–6, Oct 78

Effects of prostaglandin A2 and E2 on renal function and renin release. Matsumura T, et al. **Jpn Circ J** 42(8):927–38, Aug 78

Pre-induction ripening of the cervix with extra-amniotic prostaglandin E2 in gel. Thiery M, et al. **Z Geburtshilfe Perinatol** 182(5):352–7, Oct 78

[Effects of prostaglandin in heart abnormalities with needed patency of the arterial canal (clinical and histological study)] Moulaert A, et al. **Arch Fr Pediatr** 35(7):717–25, Aug–Sep 78 (Eng. Abstr.) **(Fre)**

[Extraamniotic induction of abortion with a new prostaglandin E-2 derivative] Gethmann U, et al. **Fortschr Med** 96(35):1771–3, 21 Sep 78 **(Ger)**

[Labor induction with prostaglandin E2 tablets] Osler M. **Gynaekol Rundsch** 18 Suppl 1:28–39, 1978 **(Ger)**

[Use of prostaglandins in gynecology and obstetrics and outlook on the second generation of prostaglandins] Wiqvist N. **Gynaekol Rundsch** 18 Suppl 1:1–8, 1978 **(Ger)**

[Relation between erythropoiesis, androgens and prostaglandins (author's transl)] Beltrán Hernández J, et al. **Sangre (Barc)** 23(5):521–5, 1978 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

[Side effects of prostaglandins] Mickan H. **Gynaekol Rundsch** 18 Suppl 1:40–7, 1978 **(Ger)**

[Labor induction with prostaglandin E2 tablets] Osler M. **Gynaekol Rundsch** 18 Suppl 1:28–39, 1978 **(Ger)**

[Use of prostaglandins in gynecology and obstetrics and outlook on the second generation of prostaglandins] Wiqvist N. **Gynaekol Rundsch** 18 Suppl 1:1–8, 1978 **(Ger)**

ANALYSIS

Use of the rabbit transverse stomach-strip to identify and assay prostacyclin, PGA2, PGD2 and other prostaglandins. Whittle BJ, et al. **Eur J Pharmacol** 53(2):167–72, 1 Jan 79

The pH of prostatic fluid: a reappraisal and therapeutic implications. Fair WR, et al. **J Urol** 120(6):695–8, Dec 78

The pH of prostatic fluid: a reappraisal and therapeutic implications. Fair WR, et al. **Trans Am Assoc Genitourin Surg** 69:65–8, 1977

[Measurement of prostaglandin E and F2alpha in human serum and burn blister fluid by radioimmunoassay method (author's transl)] Sugiyama S, et al. **Kaku Igaku** 15(7):1019–23, Oct 78 **(Jpn)**

ANTAGONISTS & INHIBITORS

Lack of specific prostaglandin antagonistic effects of 7-oxa-13-prostynoic acid on ovarian metabolism in vitro. Magnusson C, et al. **Acta Physiol Scand** 105(2):239–47, Feb 79

Effect of some prostaglandin synthesis inhibitors on the antinociceptive action of morphine in albino rats. Srivastava DN, et al. **Clin Exp Pharmacol Physiol** 5(5):503–9, Sep–Oct 78

Inhibition of human colonic adenylate cyclase by RMI 12330 A. Simon B, et al. **Digestion** 18(3–4):213–9, 1978

Modulation of human platelet function by prostacyclin and thromboxane A2. Gorman RR. **Fed Proc** 38(1):83–8, Jan 79

Effects of prostaglandins on vesicourethral smooth muscle of rabbit. Therapeutic implications. Khanna OP, et al. **Urology** 12(6):674–81, Dec 78

[Observations on prostaglandin effects with myometrium strips of human gravid uterus in vitro. Influence of diclofenac on contractions induced by prostaglandin (author's transl)] Cornely M, et al. **Z Geburtshilfe Perinatol** 182(5):358–66, Oct 78 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

In vitro prostaglandin biosynthesis in human pregnant uterus from arachidonic acid. Falkay G, et al. **Acta Biol Med Ger** 37(5–6):941–3, 1976

Influence of the selective prostaglandin biosynthesis inhibitor, gold, on the arterial pressure of normotensive and spontaneously hypertensive rats. Hoffmann P, et al. **Acta Biol Med Ger** 37(5–6):887–8, 1976

Effect of bradykinin on prostaglandin synthetase activity in microsomal fractions from rat duodenum and uterus. Liebmann C, et al. **Acta Biol Med Ger** 37(5–6):901–3, 1976

Zinc, penicillamine, and prostaglandin E1 [letter] Horrobin DF, et al. **Arthritis Rheum** 21(4):492, May 78

Interrelationship between stimulation of prostaglandin E and hyaluronate production by poly (I) . poly (C) and interferon in synovial fibroblast culture. Yaron M, et al. **Arthritis Rheum** 21(6):694–8, Jul–Aug 78

Synthesis of thromboxane B2 in incubates of dog platelet-rich plasma with arachidonic acid and its inhibition by different drugs. Chignard M, et al. **Biochem Biophys Res Commun** 85(4):1631–9, 29 Dec 78

Epidermal growth factor stimulates prostaglandin production and bone resorption in cultured mouse calvaria. Tashjian AH Jr, et al. **Biochem Biophys Res Commun** 85(3):966–75, 14 Dec 78

Regulatory role of cyclic adenosine 3',5'-monophosphate on the platelet cyclooxygenase and platelet function. Fitzpatrick FA, et al. **Biochim Biophys Acta** 582(1):44–58, 4 Jan 79

Tissue specific regulation of prostaglandin production: stimulation of 6-ketoprostaglandin F1alpha biosynthesis by rat kidney cytosol. Morita I, et al. **Biochim Biophys Acta** 582(1):173–8, 4 Jan 79

Prostaglandin production by rhesus monkey corpora lutea in vitro. Balmaceda J, et al. **Fertil Steril** 31(2):214–6, Feb 79

Prostaglandin I2 synthesis and vascular effects in isolated coronary artery. pp. 122–8. Needleman P, et al. **In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.** (15 ref.)

Characterization of a congenitally LPS-resistant, athymic mouse strain. Vogel SN, et al. **J Immunol** 122(2):619–22, Feb 79

The effect of prostaglandin-synthesis stimulation and blockade on sodium excretion at a fixed renal perfusion pressure. Bay WH, et al. **J Lab Clin Med** 93(1):78–84, Jan 79

Role of prostaglandin E (PGE) in the modulation of the action of vasopressin on water flow in the urinary bladder of the toad and mammalian kidney. Orloff J, et al. **J Membr Biol** 40 Spec No:297–304, 1978 (25 ref.)

Anti-inflammatory drugs and tumour growth [editorial] **Lancet** 1(8113):420–1, 24 Feb 79

Effect of beta-mimetic isoxsuprine on prostaglandin biosynthesis in pregnant human myometrium in vitro. Falkay G, et al. **Life Sci** 23(27–28):2689–96, 31 Dec 78

Prostaglandin synthesis inhibited by formamidine pesticides. Yim GK, et al. **Life Sci** 23(25):2509–15, 18 Dec 78

Adriamycin stimulates canine kidney (MDCK) cells to deacylate cellular lipids and to produce prostaglandins. Ohuchi K, et al. **Prostaglandins Med** 1(6):433–9, Dec 78

Tumor promoting phorbol diesters stimulate release of radioactivity from [3H]-arachidonic acid labeled- but not [14C]linoleic acid labeled-cells. Indomethacin inhibits the stimulated release from [3H] arachidonate labeled cells. Ohuchi K, et al. **Prostaglandins Med** 1(6):421–31, Dec 78

The effects of anti-inflammatory drugs on prostaglandin production by rheumatoid synovial tissue. Robinson DR, et al. **Prostaglandins Med** 1(6):461–77, Dec 78

BLOOD

Lack of correlation between total catecholamines, dopamine-beta-hydroxylase, cyclic AMP and prostaglandins in blood after physical load. Ryšánek K, et al. **Act Nerv Super (Praha)** 20(4):301, 1978

Prostaglandin release from perfused, isolated hind legs in normal and arteriosclerotic rats. Baraka YM, et al. **Acta Biol Med Ger** 37(5–6):851–3, 1976

The influence of angiotensin II and indomethacin on the pulmonary arterial prostaglandin E levels and pulmonary circulation in dogs. Ito T, et al. **Acta Biol Med Ger** 37(5–6):849–50, 1976

Prostaglandins and primary dysmenorrhoea. Seifert B, et al. **Acta Biol Med Ger** 37(5–6):949–50, 1976

Investigations of hormones during early abortion induced by prostaglandin F2alpha and 15(S)-methyl-PGF2alpha. Seifert B, et al. **Acta Biol Med Ger** 37(5–6):955–7, 1976

Synthesis of thromboxane B2 in incubates of dog platelet-rich plasma with arachidonic acid and its inhibition by different drugs. Chignard M, et al. **Biochem Biophys Res Commun** 85(4):1631–9, 29 Dec 78

Renal prostaglandin production in the Japanese (Kyoto) spontaneously hypertensive rat. Dunn MJ. **Clin Sci Mol Med** 55 Suppl 4:191s–193s, Dec 78

Venous prostaglandin-like activity in diarrhoeal states. Harris DW, et al. **Gut** 19(11):1057–8, Nov 78

Increased prostaglandin synthesis in childhood diabetes mellitus. Chase HP, et al. **J Pediatr** 94(2):185–9, Feb 79

Indomethacin and the nephrotic syndrome. Shehadeh IH, et al. **JAMA** 241(12):1264–6, 23 Mar 79

Effect of exercise on human arterial and regional venous plasma concentrations of prostaglandin E. Nowak J, et al. **Prostaglandins Med** 1(6):489–97, Dec 78

PGE2: metabolic effects in healthy volunteers. Leary WP, et al. **Res Commun Chem Pathol Pharmacol** 22(3):493–500, Dec 78

Metabolism of arachidonic acid by platelets: utilization of arachidonic acid by human platelets in presence of linoleic and dihomo-gamma-linolenic acids. Srivastava KC. **Z Ernaehrungswiss** 17(4):248–61, Dec 78

[Uterine prostaglandins and dysmenorrhea] Seifert B, et al. **Zentralbl Gynaekol** 100(21):1361–6, 1978 (Eng. Abstr.) **(Ger)**

[Formation of primary prostaglandins E1 and F2 alpha in the uterus and ovary. Studies on plasma concentrations in local blood vessels] Seifert B, et al. **Zentralbl Gynaekol** 100(21):1368–74, 1978 (Eng. Abstr.) **(Ger)**

[Measurement of prostaglandin E and F2alpha in human serum and burn blister fluid by radioimmunoassay method (author's transl)] Sugiyama S, et al. **Kaku Igaku** 15(7):1019–23, Oct 78 **(Jpn)**

[Effect of acute furosemide load on the level of blood prostaglandins in healthy persons and patients with hypertension] Shkhvatsabaia IK, et al. **Ter Arkh** 50(12):41–6, 1978 (Eng. Abstr.) **(Rus)**

DEFICIENCY

Dopamine supersensitivity, endorphin excess, and prostaglandin E1 deficiency: three aspects of the same schizophrenic elephant. Horrobin DF. **Schizophr Bull** 4(4):487–8, 1978

DIAGNOSTIC USE

Effects of exogenous prostaglandin E1 on human plasma norepinephrine level and dopamine-beta-hydrolyxase activity. Ogawa K, et al. **Acta Biol Med Ger** 37(5–6):845–8, 1976

Growth hormone response to prostaglandin E2. Hamilton W, et al. **Acta Paediatr Scand** 68(2):251–6, Mar 79

Advances in invasive cardiac diagnosis and management. Graham TP Jr. **Pediatr Clin North Am** 25(4):707–20, Nov 78

METABOLISM

Relationship between inhibition of prostaglandin beta-oxidation and deenergization of mitochondrial membranes. Byczkowski JZ, et al. **Acta Biol Med Ger** 37(5–6):895–6, 1976

Influence of coronary vasodilators on prostaglandin E, F2alpha, I2, and adenosine metabolism. Förster W, et al. **Acta Biol Med Ger** 37(5–6):755–63, 1976

Influence of electrically and aconitine induced arrhythmias on the prostaglandin efflux in coronary sinus blood in dogs. Mest HJ, et al. **Acta Biol Med Ger** 37(5–6):825–6, 1976

Investigations on prostaglandin levels in amniotic fluid and maternal blood during late pregnancy. Nieder J, et al. **Acta Biol Med Ger** 37(5–6):945–7, 1976

Interaction of L-ascorbic acid and prostaglandins on isolated myometrium. Puglisi L, et al. **Acta Biol Med Ger** 37(5–6):937–9, 1976

Joint changes after overuse and peak overloading of rabbit knees in vivo. Dekel S, et al. **Acta Orthop Scand** 49(6):519–28, Dec 78

Renal excretion of prostaglandins E2 and F2alpha in diabetes insipidus rats. Dunn MJ, et al. **Am J Physiol** 235(6):E624–7, Dec 78

Gonadotropin and prostaglandins binding sites in rough endoplasmic reticulum and Golgi fractions of bovine corpora lutea. Mitra S, et al. **Arch Biochem Biophys** 191(1):331–40, Nov 78

Hydroxylation of prostaglandin E1 by kidney cortex microsomal monooxygenase in the guinea pig. Navarro J, et al. **Arch Biochem Biophys** 191(1):125–33, Nov 78

Woronoff's rings with PUVA therapy [letter] Warin AP, et al. **Arch Dermatol** 115(1):105, Jan 79

Intervention of PGE like material in the permeability effects of ETX in the isolated mesentery [proceedings] Kahn A, et al. **Arch Int Physiol Biochim** 86(3):690–2, Aug 78

Prostaglandin E and F2alpha receptors in bovine corpus luteum plasma membranes are two different macromolecular entities. Rao CV, et al. **Biochem Biophys Res Commun** 85(3):1054–60, 14 Dec 78

Prostaglandin E and F2alpha receptors in bovine corpora lutea: relative affinities of products of arachidonic acid metabolism by cyclo-oxygenase. Rao CV, et al. **Biochem Biophys Res Commun** 85(1):125–30, 14 Nov 78

Hypercalcemia and cancer: an update. Murray TM, et al. **Can Med Assoc J** 119(8):915–20, 21 Oct 78 (65 ref.)

Prostaglandins E2, F2alpha and arachidonic acid levels in irradiated and unirradiated skin of psoriatic patients receiving PUVA treatment. Plummer NA, et al. **Clin Exp Dermatol** 3(4):367–9, Dec 78

Renal prostaglandin production in the Japanese (Kyoto) spontaneously hypertensive rat. Dunn MJ. **Clin Sci Mol Med** 55 Suppl 4:191s–193s, Dec 78

Ionophore A23187 raises cyclic AMP levels in macrophages by stimulating prostaglandin E formation. Gemsa D, et al. **Exp Cell Res** 118(1):55–62, Jan 79

Connective tissue resorption and rheumatoid arthritis: synovial cell culture as a model. pp. 305–18. Dayer JM, et al. **In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.**

Complement dependent bone resorption. pp. 159–71. Sandberg AL, et al. **In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.**

PGE-mediated laxative effect of diphenolic laxatives. Beubler E, et al. **Naunyn Schmiedebergs Arch Pharmacol** 305(3):241–6, 27 Dec 78

Endothelial cell physiology, perturbations and responses. Barnhart MI, et al. **Semin Thromb Hemostas** 5(2):50–86, Fall 78 (212 ref.)

[Argon laser photocoagulation to the rabbit iris: estimation of PGE in aqueous humor after topical application of indomethacin (author's transl)] Sakata H. **Nippon Ganka Gakkai Zasshi** 82(12):883–6, 10 Dec 78 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

On a direct, antiadrenergic component of prostaglandin action in the heart. Bayer BL, et al. **Acta Biol Med Ger** 37(5–6):829–30, 1976

Effects of prostaglandins on conduction time and refractory period before and after vagotomy and reserpine pretreatment in the cat heart in situ. Bayer BL, et al. **Acta Biol Med Ger** 37(5–6):831–2, 1976

Actions of prostaglandin precursors and other unsaturated fatty acids on conduction time and refractory period in the cat heart in situ. Bayer BL, et al. **Acta Biol Med Ger** 37(5–6):833–5, 1976

Comparative effects of prostaglandins on the embryonic myocardium. Boroyan RG, et al. **Acta Biol Med Ger** 37(5–6):797–9, 1976

Effects of prostaglandins E1, E2, suprarenin and isoprenaline on erythrocyte flexibility. Gerbstädt H, et al. **Acta Biol Med Ger** 37(5–6):907–8, 1976

Influence of counter-irritation by carrageenin on inflammatory reactions induced by prostaglandins, serotonin, histamine, compound 48/80, carrageenin and Freund's complete adjuvant. Hirschelmann R, et al. **Acta Biol Med Ger** 37(5–6):913–5, 1976

Index of permeability of large arteries to labeled albumin after administration of prostaglandin E2. Jobst M, et al. **Acta Biol Med Ger** 37(5–6):855–6, 1976

The influence of prostaglandins on body temperature in rats deprived of central heat receptors. Korolkiewicz Z, et al. **Acta Biol Med Ger** 37(5–6):909–11, 1976

Influence of prostaglandins, prostaglandin-precursors and of a linoleic acid rich and free diet on the cardiac effects of isoprenaline and vasodilators. Mentz P, et al. **Acta Biol Med Ger** 37(5–6):801–5, 1976

The dependence of prostaglandin and arachidonic acid actions on calcium concentration in contraction, action potential and coronary flow of isolated heart preparations. Mentz P, et al. **Acta Biol Med Ger** 37(5–6):811–4, 1976

Interaction of L-ascorbic acid and prostaglandins on isolated myometrium. Puglisi L, et al. **Acta Biol Med Ger** 37(5–6):937–9, 1976

The effects of various prostaglandins on the heart damaged by calcium deficiency and verapamil application. Rettkowski W, et al. **Acta Biol Med Ger** 37(5–6):815–6, 1976

Interactions of verapamil and prostaglandins F2alpha, D2, I2, A1 and E1 in isolated hearts and coronary preparations. Rettkowski W, et al. **Acta Biol Med Ger** 37(5–6):807–9, 1976

Effects of prostaglandins, calcium, and bradykinin on guanylate cyclase in different organs. Roemer W, et al. **Acta Biol Med Ger** 37(5–6):905–6, 1976

Influence of linoleic acid in the diet on arterial pressure of salt loaded rats. II. Effects on plasma catecholamine concentration, renin activity, and reactivity of isolated vessels. Somova L, et al. **Acta Biol Med Ger** 37(5–6):869–73, 1976

The effect of prostaglandin D2 on isolated perfused guinea-pig hearts. Taube C, et al. **Acta Biol Med Ger** 37(5–6):773–5,

APPENDIX

1976

The general pharmacology of prostacyclin PGI2, (PGX): a new prostaglandin especially active on the cardivascular system. Weeks JR. **Acta Biol Med Ger** 37(5-6):707-14, 1976

Some actions of prostacyclin (PGI2) on the cardiovascular system and the gastric microcirculation. Whittle BJ, et al. **Acta Biol Med Ger** 37(5-6):725-8, 1976

Dissociation of the mitogenic and rosette-forming effects of PHA to stimulators of cyclic AMP levels. Kalmár L, et al. **Acta Med Acad Sci Hung** 35(2):147-51, 1978

Lack of specific prostaglandin antagonistic effects of 7-oxa-13-prostynoic acid on ovarian metabolism in vitro. Magnusson C, et al. **Acta Physiol Scand** 105(2):239-47, Feb 79

Prostaglandins and gastrointestinal function. Occhipinti M. **Adv Pediatr** 25:205-21, 1978

Adjuvant arthritis in young copper-deficient rats. Milanino R, et al. **Agents Actions** 8(6):623-8, Dec 78

The stretch modulus of human cervical tissue in spontaneous, oxytocin-induced, and prostaglandin E2-induced labor. Conrad JT, et al. **Am J Obstet Gynecol** 133(1):11-4, 1 Jan 79

Differences in localization of insulin receptors and adenylate cyclase in the human placenta. Whitsett JA, et al. **Am J Obstet Gynecol** 133(2):204-7, 15 Jan 79

Release of norepinephrine by sympathetic nerve stimulation from rabbit lungs. Tong EY, et al. **Am J Physiol** 235(6):H803-8, Dec 78

Histochemical studies on the long term prostaglandin treatment on adrenal delta5-3beta-hydroxysteroid dehydrogenase and glucose-6-phosphate dehydrogenase activities in rats pretreated with estradiol dipropionate. Sanyal S, et al. **Anat Anz** 144(3):214-9, 1978

Effect of various prostaglandins on the metabolism of fructose by epididymal and ejaculated ram spermatozoa in vitro. Marley PB, et al. **Andrologia** 10(6):453-63, Nov-Dec 78

Effects of prostaglandins and indomethacin on rat epididymal responses to norepinephrine and acetylcholine. Hib J, et al. **Arch Androl** 1(1):43-7, 1978

Adrenergic responses of the guinea-pig ileum: inhibition by prostaglandins and potentiation by non-steroid anti-inflammatory drugs (NSAIDs). Barthó L. **Arch Int Pharmacodyn Ther** 235(2):238-47, Oct 78

A modulating role of prostaglandins in responses of guinea-pig isolated ileum to various agonists. Grbović L, et al. **Arch Int Pharmacodyn Ther** 235(2):230-7, Oct 78

The difference between prostaglandin-mediated myotropic effects of angiotensin II and angiotensin III in the rabbit aorta. Ercan ZS, et al. **Arch Int Physiol Biochim** 86(3):569-75, Aug 78

Calcium, asparagine and cAMP are required for ornithine decarboxylase activation in intact Chinese hamster ovary cells. Costa M, et al. **Biochem Biophys Res Commun** 85(3):1156-64, 14 Dec 78

Thromboxane A2 biosynthesis in human lung fibroblasts WI-38. Hopkins NK, et al. **Biochem Biophys Res Commun** 85(2):827-36, 29 Nov 78

Potentiation of GTP of hormone-responsive adenylate cyclase in renal cortex plasma membrane preparations. Liang CT, et al. **Biochem Biophys Res Commun** 85(4):1440-5, 29 Dec 78

Effect of prostaglandin A1, E2 and F2alpha on the monoamine oxidase (MAO) activity in rat liver and brain. Vijayalakshmi V, et al. **Biochem Pharmacol** 27(24):2961-2, 1978

Negative cooperativity exhibited by prostaglandin E1 stimulated adenylate cyclase in LM cells. Engelhard VH, et al. **Biochemistry** 17(24):5304-8, 28 Nov 78

Relationships between membrane cholesterol, alpha-adrenergic receptors, and platelet function. Insel PA, et al. **Biochemistry** 17(24):5269-74, 28 Nov 78

Modulation of platelet responsiveness through selective phosphorylation of plasma membrane proteins. Apitz-Castro R, et al. **Biochim Biophys Acta** 544(3):529-39, 18 Dec 78

Maturation dependent decline of adenylate cyclase in rabbit red blood cell membranes. Piau JP, et al. **Biochim Biophys Acta** 544(3):482-8, 18 Dec 78

Effects of prostaglandin E1 on pulmonary circulation in patients with pulmonary hypertension. Szczeklik J, et al. **Br Heart J** 40(12):1397-401, Dec 78

Prostaglandin E2 tablets used intravaginally for the induction of labour. Gordon-Wright AP, et al. **Br J Obstet Gynaecol** 86(1):32-6, Jan 79

Myocardial synthesis of prostaglandin-like substances and coronary reactions to cardiostimulation and to hypoxia. Sunahara FA, et al. **Br J Pharmacol** 65(1):71-85, Jan 79

Prostaglandins cause cyclic AMP accumulation in peripheral nerve. Kalix P. **Brain Res** 162(1):159-63, 16 Feb 79

Preservation of human platelets with prostaglandin E1 during in vitro simulation of cardiopulmonary bypass. Addonizio VP Jr, et al. **Circ Res** 44(3):350-7, Mar 79

The hemodynamic effects of prostaglandins in the rat. Evidence for important species variation in renovascular responses. Gerber JG, et al. **Circ Res** 44(3):406-10, Mar 79

Effects of prostaglandin E2 and prostaglandin F2alpha upon urinary kallikrein excretion in rats. Croxatto HR, et al. **Clin Sci Mol Med** 55 Suppl 4:187s-189s, Dec 78

Inhibition of human colonic adenylate cyclase by RMI 12330 A. Simon B, et al. **Digestion** 18(3-4):213-9, 1978

Human colonic adenylate cyclase: effects of bile acids. Simon B, et al. **Eur J Clin Invest** 8(5):321-3, Oct 78

Central and peripheral antialgesic action of aspirin-like drugs. Ferreira SH, et al. **Eur J Pharmacol** 53(1):39-48, 15 Dec 78

Prostaglandin E1-induced desensitization of prostaglandin-sensitive adenylate cyclase of cultured mammalian cells. Studies with broken and intact cell preparations. Ayad SR, et al. **Exp Cell Res** 118(2):229-35, Feb 79

Effect of sodium butyrate in combination with prostaglandin E1 and inhibitors of cyclic nucleotide phosphodiesterase on human amelanotic melanoma cells in culture. Prasad KN, et al. **Experientia** 34(12):1575-6, 15 Dec 78

Correlation between 3',5', c-AMP levels and thyrotropin in separated rat pituitary thyrotropic cells. Tal E, et al. **Experientia** 34(10):1286-8, 15 Oct 78

Prostaglandins as modulators of pain. Juan H. **Gen Pharmacol** 9(6):403-9, 1978 (79 ref.)

The response of osteoclasts to prostaglandin and osteoclast activating factor as measured by ultrastructural morphometry. pp. 13-20. Holtrop ME, et al. **In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.**

Prostaglandins as local mediators of bone resorption. pp. 173-9. Tashjian AH Jr. **In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.** (28 ref.)

Vasodilatation caused by peripheral inhibition of adrenergic neurotransmission. pp. 248-57. McGrath MA, et al. **In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.** (46 ref.)

Prostaglandin I2 synthesis and vascular effects in isolated coronary artery. pp. 122-8. Needleman P, et al. **In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.** (15 ref.)

Prolonged prostaglandin E1 stimulation of cyclic AMP production in transformed and normal WI-38 fibroblasts. Chlapowski FJ, et al. **In Vitro** 14(11):924-34, Nov 78

Lipid chemotaxins isolated from culture filtrates of Escherichia coli and from oxidized lipids. Sahu S, et al. **Inflammation** 2(1):47-54, Mar 77

Effect of prostaglandin E2 and F2alpha on serum luteinizing hormone, testosterone and prolactin in bulls. Haynes NB, et al. **J Anim Sci** 47(4):923-6, Oct 78

Effects of prostaglandin E1 and adenosine on metal and metal-ATP kinetics of platelet adenylate cyclase. Johnson RA, et al. **J Biol Chem** 254(4):1094-101, 25 Feb 79

Polyoma virus and cyclic AMP-mediated control of dihydrofolate reductase mRNA abundance in methotrexate-resistant mouse fibroblasts. Kellems RE, et al. **J Biol Chem** 254(2):309-18, 25 Jan 79

Inhibition of cyclic nucleotide phosphodiesterase during exposure to WI-38 cells to prostaglandin E1. Nemecek GM, et al. **J Biol Chem** 254(3):598-601, 10 Feb 79

Prostaglandins are necessary for osteoclast-activating factor production by activated peripheral blood leukocytes. Yoneda T, et al. **J Exp Med** 149(1):279-83, 1 Jan 79

Selective suppression by adherent cells, prostaglandin, and cyclic AMP analogues of blastogenesis induced by different mitogens. Novogrodsky A, et al. **J Immunol** 122(1):1-7, Jan 79

The effect of PGE1 on peristalsis and on perivascular nerve inhibition of peristaltic activity in guinea-pig isolated ileum. Sanger GJ, et al. **J Pharm Pharmacol** 30(12):762-5, Dec 78

Effects of brain serotonin alterations on prostaglandin E1-induced bradycardia in rats. Lin MT. **J Pharmacol Exp Ther** 208(2):232-5, Feb 79

The extracellular concentration of calcium and sodium and the contraction of rat descending colon in response to angiotensin [proceedings] Crocker AD, et al. **J Physiol (Lond)** 284:169P-170P, Nov 78

Effects of prostaglandin A2 and E2 on renal function and renin release. Matsumura T, et al. **Jpn Circ J** 42(8):927-38, Aug 78

Relationship between serum gastrin levels and gastric secretion in Heidenhain pouch dogs. Fuke H, et al.

Jpn J Pharmacol 28(4):511–20, Aug 78

Relationship between gastric secretion and serum gastrin levels in dogs anesthetized with morphine and urethane. Yamaguchi I, et al. **Jpn J Pharmacol** 28(4):521–6, Aug 78

Postpartum renal insufficiency. Ferris TF. **Kidney Int** 14(4):383–92, Oct 78

Therapeutic advances in pediatric cardiology. Kaplan S, et al. **Pediatr Clin North Am** 25(4):891–907, Nov 78 (78 ref.)

Prostaglandin E1 fever in the crayfish Cambarus bartoni. Casterlin ME, et al. **Pharmacol Biochem Behav** 9(5):593–5, Nov 78

The effects of prostaglandins on cAMP levels in subpopulations of mouse lymphocytes. Webb DR. **Prostaglandins Med** 1(6):441–53, Dec 78

Influence of polyphloretin phosphate on the central effects of prostaglandin E2 and F2alpha in rats. Brus R, et al. **Psychopharmacology (Berlin)** 59(3):273–7, 8 Dec 78

PGE2: metabolic effects in healthy volunteers. Leary WP, et al. **Res Commun Chem Pathol Pharmacol** 22(3):493–500, Dec 78

Regulation of beta-adrenergic response in human lymphocytes: agonist induced subsensitivity. Lee TP. **Res Commun Chem Pathol Pharmacol** 22(2):233–42, Nov 78

Physiologic basis of myometrial function. Anderson NC Jr. **Semin Perinatol** 2(3):211–22, Jul 78 (58 ref.)

Cyclic nucleotides in platelet function. Haslam RJ, et al. **Thromb Haemost** 40(2):232–40, 31 Oct 78 (44 ref.)

The effect of prostaglandin E1 and adenosine on adverse platelet reactions during charcoal haemoperfusion. Langley PG, et al. **Thromb Res** 13(3):351–60, Sep 78

Effects of prostaglandins on vesicourethral smooth muscle of rabbit. Therapeutic implications. Khanna OP, et al. **Urology** 12(6):674–81, Dec 78

Acute functional adaptation to nephron loss: micropuncture studies. Dirks JH, et al. **Yale J Biol Med** 51(3):255–63, May–Jun 78

Pre-induction ripening of the cervix with extra-amniotic prostaglandin E2 in gel. Thiery M, et al. **Z Geburtshilfe Perinatol** 182(5):352–7, Oct 78

[Effects of prostaglandin in heart abnormalities with needed patency of the arterial canal (clinical and histological study)] Moulaert A, et al. **Arch Fr Pediatr** 35(7):717–25, Aug–Sep 78 (Eng. Abstr.) **(Fre)**

[The thyroid gland and its regulation] Lamy F, et al. **C R Soc Biol (Paris)** 172(3):413–21, 1978 **(Fre)**

[Induction of labor with prostaglandins] Béguin F. **Gynaekol Rundsch** 18 Suppl 1:16–27, 1978 **(Fre)**

[Effect of PGE2 on pregnancy and embryonic development of the mouse] Mercier-Parot L, et al. **Therapie** 33(5):671–4, Sep–Oct 78 **(Fre)**

[Side effects of prostaglandins] Mickan H. **Gynaekol Rundsch** 18 Suppl 1:40–7, 1978 **(Ger)**

[Observations on prostaglandin effects with myometrium strips of human gravid uterus in vitro. Influence of diclofenac on contractions induced by prostaglandin (author's transl)] Cornely M, et al. **Z Geburtshilfe Perinatol** 182(5):358–66, Oct 78 (Eng. Abstr.) **(Ger)**

[Experimental studies on thrombolytic agents. (1) Comparison between prostaglandin E1, heparin and urokinase (author's transl)] Suzuki T, et al. **Nippon Ketsueki Gakkai Zasshi** 41(5):890–6, Oct 78 (Eng. Abstr.) **(Jpn)**

[Effect of prostaglandin E-1 on the pulmonary microcirculation in the hemorrhagic shock lung (author's transl)] Kazui T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 26(12):1485–92, Dec 78 (Eng. Abstr.) **(Jpn)**

[Effects of prostaglandins E1, E2, A1 and A2 on the systemic and pulmonary circulations in dogs (author's transl)] Kazui T. **Nippon Kyobu Geka Gakkai Zasshi** 26(11):1375–82, Nov 78 (Eng. Abstr.) **(Jpn)**

[Effects of prostaglandin and its derivatives on the contraction of smooth muscle in rabbit aortae and platelet aggregation (author's transl)] Kuzuya F, et al. **Nippon Ronen Igakkai Zasshi** 15(6):554–61, Nov 78 (Eng. Abstr.) **(Jpn)**

[Inhibitory effect of prostaglandin on gastric secretion (author's transl)] Imamura H, et al. **Nippon Shokakibyo Gakkai Zasshi** 75(12):1898–910, Dec 78 (Eng. Abstr.) **(Jpn)**

[Morphology of parietal cells of the stomach body after oral administration of methyl ester 15 s–15 methyloprostaglandin E–2 (m–PGE–2S)] Rybicka J, et al. **Patol Pol** 29(3):281–7, Jul–Sep 78 (Eng. Abstr.) **(Pol)**

[Effect of prostaglandin E1 on the left ventricle function in patients with congestive heart failure in the course of mitral valvular defects (author's tranls)] Dubiel JS, et al. **Przegl Lek** 35(12):867–71, 1978 (Eng. Abstr.) **(Pol)**

[Adenyl cyclase activity of Ehrlich ascitic carcinoma cells in vitro] Simkhovich BZ. **Vopr Med Khim** 24(6):768–74, Nov–Dec 78 **(Rus)**

PHYSIOLOGY

Communication between white cells and the abnormalities of this in leukemia. Broxmeyer HE, et al. **Biochim Biophys Acta** 516(2):129–66, 27 Oct 78 (269 ref.)

Central mechanisms of fever. Cranston WI. **Fed Proc** 38(1):49–51, Jan 79

Prostaglandins as local mediators of bone resorption. pp. 173–9. Tashjian AH Jr. **In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.** (28 ref.)

Modulation of granulopoiesis: opposing roles of prostaglandins F and E. Miller AM, et al. **J Lab Clin Med** 92(6):983–90, Dec 78

Role of prostaglandin E (PGE) in the modulation of the action of vasopressin on water flow in the urinary bladder of the toad and mammalian kidney. Orloff J, et al. **J Membr Biol** 40 Spec No:297–304, 1978 (25 ref.)

Vascular reactivity to angiotensin II in human pregnancy. Everett RB, et al. **Semin Perinatol** 2(1):3–13, Jan 78 (45 ref.)

Ripening of the cervix. Liggins GC. **Semin Perinatol** 2(3):261–71, Jul 78 (56 ref.)

[Edema induced by anti-inflammatory drugs and renal action of prostaglandin E2 (author's transl)] Fabre J. **Praxis** 68(8):243–6, 20 Feb 79 **(Fre)**

SECRETION

[Co-carcinogens or modulators of carcinogenesis. New aspects of the etiology of human tumors and of the molecular mechanisms of carcinogenesis] Hecker E. **Naturwissenschaften** 65(12):640–8, Dec 78 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Application of prostaglandins in obstetrics and gynecology. Brunnberg FJ. **Acta Biol Med Ger** 37(5–6):917–21, 1976

The routine use of oral prostaglandin E2 tablets for induction or augmentation of labour. Gordon-Wright AP, et al. **Acta Obstet Gynecol Scand** 58(1):23–6, 1979

Prostaglandins: physiological and clinical correlations. Friedman WF, et al. **Adv Pediatr** 25:151–204, 1978 (173 ref.)

Prostaglandins and gastrointestinal function. Occhipinti M. **Adv Pediatr** 25:205–21, 1978

Separation of conjoined thoracopagous twins joined at the right atrial. Synhorst D, et al. **Am J Cardiol** 43(3):662–5, Mar 79

Intestinal lesions produced by prednisolone: prevention (cytoprotection) by 16,16-dimethyl prostaglandin E2. Lancaster C, et al. **Am J Physiol** 235(6):E703–8, Dec 78

Effects of prostaglandin E1 on pulmonary circulation in patients with pulmonary hypertension. Szczeklik J, et al. **Br Heart J** 40(12):1397–401, Dec 78

Prostaglandin E2 tablets used intravaginally for the induction of labour. Gordon-Wright AP, et al. **Br J Obstet Gynaecol** 86(1):32–6, Jan 79

A comparison of four methods of ripening the unfavourable cervix. Wilson PD. **Br J Obstet Gynaecol** 85(12):941–4, Dec 78

Pathophysiology and management of acute gastric mucosal hemorrhage. Matsumoto T, et al. **Jpn J Surg** 8(4):261–9, Dec 78

Therapeutic advances in pediatric cardiology. Kaplan S, et al. **Pediatr Clin North Am** 25(4):891–907, Nov 78 (78 ref.)

Drugs in the treatment of asthma. Svedmyr N, et al. **Pharmacol Ther [B]** 3(4):397–440, 1978 (428 ref.)

Prostaglandin E1 in infants with pulmorary atresia. Weir EK, et al. **S Afr Med J** 54(17):700–2, 21 Oct 78

[Effects of prostaglandin in heart abnormalities with needed patency of the arterial canal (clinical and histological study)] Moulaert A, et al. **Arch Fr Pediatr** 35(7):717–25, Aug–Sep 78 (Eng. Abstr.) **(Fre)**

[Experimental studies on thrombolytic agents. (1) Comparison between prostaglandin E1, heparin and urokinase (author's transl)] Suzuki T, et al. **Nippon Ketsueki Gakkai Zasshi** 41(5):890–6, Oct 78 (Eng. Abstr.) **(Jpn)**

URINE

Renal excretion of prostaglandins E2 and F2alpha in diabetes insipidus rats. Dunn MJ, et al. **Am J Physiol** 235(6):E624–7, Dec 78

The role of intrarenal vasoactive substances in the pathogenesis of essential hypertension. Abe K, et al. **Clin Sci Mol Med** 55 Suppl 4:363s–366s, Dec 78

Renal prostaglandin production in the Japanese (Kyoto)

spontaneously hypertensive rat. Dunn MJ. **Clin Sci Mol Med** 55 Suppl 4:191s–193s, Dec 78

Acute unilateral ureteral occlusion increases plasma renin activity and contralateral urinary prostaglandin excretion in rabbits. Oliw E. **Eur J Pharmacol** 53(1):95–102, 15 Dec 78

Indomethacin and the nephrotic syndrome. Shehadeh IH, et al. **JAMA** 241(12):1264–6, 23 Mar 79

Postpartum renal insufficiency. Ferris TF. **Kidney Int** 14(4):383–92, Oct 78

PROSTAGLANDINS F

On the histochemistry of prostaglandin–dehydrogenase. Wohlrab F, et al. **Acta Biol Med Ger** 37(5–6):897–9, 1976

A study of placental pathology in mid trimester therapeutic abortions induced by hypertonic saline and prostaglandin. Khardekar M, et al. **Indian J Pathol Microbiol** 21(2):141–5, Apr 78

[Induction of labor with prostaglandins] Béguin F. **Gynaekol Rundsch** 18 Suppl 1:16–27, 1978 **(Fre)**

ADMINISTRATION & DOSAGE

Effect of intracarotid infusion of prostaglandin F2alpha on plasma prolactin and growth hormone in bulls. Haynes NB, et al. **J Anim Sci** 47(4):919–22, Oct 78

Effect of prostaglandin E2 and F2alpha on serum luteinizing hormone, testosterone and prolactin in bulls. Haynes NB, et al. **J Anim Sci** 47(4):923–6, Oct 78

[Use of prostaglandins in gynecology and obstetrics and outlook on the second generation of prostaglandins] Wiqvist N. **Gynaekol Rundsch** 18 Suppl 1:1–8, 1978 **(Ger)**

[Relation between erythropoiesis, androgens and prostaglandins (author's transl)] Beltrán Hernández J, et al. **Sangre (Barc)** 23(5):521–5, 1978 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

[Side effects of prostaglandins] Mickan H. **Gynaekol Rundsch** 18 Suppl 1:40–7, 1978 **(Ger)**

[Use of prostaglandins in gynecology and obstetrics and outlook on the second generation of prostaglandins] Wiqvist N. **Gynaekol Rundsch** 18 Suppl 1:1–8, 1978 **(Ger)**

ANALOGS & DERIVATIVES

Radioimmunoassay of main urinary metabolite of prostaglandin F2alpha in patients with diffuse interstitial fibrosing pneumonitis (DIFP) and other respiratory diseases. Kitamura S, et al. **Tohoku J Exp Med** 127(2):177–81, Feb 79

ANALYSIS

Use of the rabbit transverse stomach–strip to identify and assay prostacyclin, PGA2, PGD2 and other prostaglandins. Whittle BJ, et al. **Eur J Pharmacol** 53(2):167–72, 1 Jan 79

The pH of prostatic fluid: a reappraisal and therapeutic implications. Fair WR, et al. **J Urol** 120(6):695–8, Dec 78

The pH of prostatic fluid: a reappraisal and therapeutic implications. Fair WR, et al. **Trans Am Assoc Genitourin Surg** 69:65–8, 1977

[Measurement of prostaglandin E and F2alpha in human serum and burn blister fluid by radioimmunoassay method (author's transl)] Sugiyama S, et al. **Kaku Igaku** 15(7):1019–23, Oct 78 **(Jpn)**

ANTAGONISTS & INHIBITORS

Lack of specific prostaglandin antagonistic effects of 7–oxa–13–prostynoic acid on ovarian metabolism in vitro. Magnusson C, et al. **Acta Physiol Scand** 105(2):239–47, Feb 79

Effect of some prostaglandin synthesis inhibitors on the antinociceptive action of morphine in albino rats. Srivastava DN, et al. **Clin Exp Pharmacol Physiol** 5(5):503–9, Sep–Oct 78

In vitro reversal of indomethacin–blocked ovulation by prostaglandin F2alpha. Hamada Y, et al. **Fertil Steril** 30(6):702–6, Dec 78

Effects of prostaglandins on vesicourethral smooth muscle of rabbit. Therapeutic implications. Khanna OP, et al. **Urology** 12(6):674–81, Dec 78

[Observations on prostaglandin effects with myometrium strips of human gravid uterus in vitro. Influence of diclofenac on contractions induced by prostaglandin (author's transl)] Cornely M, et al. **Z Geburtshilfe Perinatol** 182(5):358–66, Oct 78 (Eng. Abstr.) **(Ger)**

[Effects of vasoactive intestinal polypeptide (VIP) on histamine or prostaglandin F–2alpha–induced bronchoconstriction (author's transl)] Hara N, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 16(11):840–5, Dec 78 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

In vitro prostaglandin biosynthesis in human pregnant uterus from arachidonic acid. Falkay G, et al. **Acta Biol Med Ger** 37(5–6):941–3, 1976

Influence of the selective prostaglandin biosynthesis inhibitor, gold, on the arterial pressure of normotensive and spontaneously hypertensive rats. Hoffmann P, et al. **Acta Biol Med Ger** 37(5–6):887–8, 1976

Effect of bradykinin on prostaglandin synthetase activity in microsomal fractions from rat duodenum and uterus. Liebmann C, et al. **Acta Biol Med Ger** 37(5–6):901–3, 1976

Tissue specific regulation of prostaglandin production: stimulation of 6–ketoprostaglandin F1alpha biosynthesis by rat kidney cytosol. Morita I, et al. **Biochim Biophys Acta** 582(1):173–8, 4 Jan 79

Prostaglandin production by rhesus monkey corpora lutea in vitro. Balmaceda J, et al. **Fertil Steril** 31(2):214–6, Feb 79

Effect of beta–mimetic isoxsuprine on prostaglandin biosynthesis in pregnant human myometrium in vitro. Falkay G, et al. **Life Sci** 23(27–28):2689–96, 31 Dec 78

Adriamycin stimulates canine kidney (MDCK) cells to deacylate cellular lipids and to produce prostaglandins. Ohuchi K, et al. **Prostaglandins Med** 1(6):433–9, Dec 78

Tumor promoting phorbol diesters stimulate release of radioactivity from [3H]–arachidonic acid labeled– but not [14C]linoleic acid labeled–cells. Indomethacin inhibits the stimulated release from [3H] arachidonate labeled cells. Ohuchi K, et al. **Prostaglandins Med** 1(6):421–31, Dec 78

The effects of anti–inflammatory drugs on prostaglandin production by rheumatoid synovial tissue. Robinson DR, et al. **Prostaglandins Med** 1(6):461–77, Dec 78

BLOOD

Lack of correlation between total catecholamines, dopamine–beta–hydroxylase, cyclic AMP and prostaglandins in blood after physical load. Ryšánek K, et al. **Act Nerv Super (Praha)** 20(4):301, 1978

Prostaglandins and primary dysmenorrhoea. Seifert B, et al. **Acta Biol Med Ger** 37(5–6):949–50, 1976

Investigations of hormones during early abortion induced by prostaglandin F2alpha and 15(S)–methyl–PGF2alpha. Seifert B, et al. **Acta Biol Med Ger** 37(5–6):955–7, 1976

Effects of antiprogesterone on pregnancy. I. Midpregnancy. Csapo AI, et al. **Am J Obstet Gynecol** 133(2):176–83, 15 Jan 79

The effect of cervical encerclage on plasma prostaglandin concentrations during early human pregnancy. Bibby JG, et al. **Br J Obstet Gynaecol** 86(1):19–22, Jan 79

Renal prostaglandin production in the Japanese (Kyoto) spontaneously hypertensive rat. Dunn MJ. **Clin Sci Mol Med** 55 Suppl 4:191s–193s, Dec 78

Effect of flufenamic acid on uterine contractions and plasma levels of 15–keto–13,14–dihydroprostaglandin F2alpha in preterm labor. Schwartz A, et al. **Gynecol Obstet Invest** 9(2–3):139–49, 1978

Ovarian and peripheral venous blood prostaglandin F2alpha levels in pregnant and nonpregnant women. Walters WA, et al. **Int J Gynaecol Obstet** 16(3):259–62, 1978–79

Local effect of intrauterine devices on prostaglandin F2alpha in uterine venous plasma of gilts. Magrini RJ, et al. **J Anim Sci** 47(3):682–5, Sep 78

Concentrations of thromboxane B2 in the maternal and foetal plasma of sheep during late pregnancy and induced parturition [proceedings] Mitchell MD, et al. **J Endocrinol** 79(2):41P–42P, Nov 78

Increased prostaglandin synthesis in childhood diabetes mellitus. Chase HP, et al. **J Pediatr** 94(2):185–9, Feb 79

Indomethacin and the nephrotic syndrome. Shehadeh IH, et al. **JAMA** 241(12):1264–6, 23 Mar 79

[Uterine prostaglandins and dysmenorrhea] Seifert B, et al. **Zentralbl Gynaekol** 100(21):1361–6, 1978 (Eng. Abstr.) **(Ger)**

[Formation of primary prostaglandins E1 and F2 alpha in the uterus and ovary. Studies on plasma concentrations in local blood vessels] Seifert B, et al. **Zentralbl Gynaekol** 100(21):1368–74, 1978 (Eng. Abstr.) **(Ger)**

[Measurement of prostaglandin E and F2alpha in human serum and burn blister fluid by radioimmunoassay method (author's transl)] Sugiyama S, et al. **Kaku Igaku** 15(7):1019–23, Oct 78 **(Jpn)**

[Effect of acute furosemide load on the level of blood prostaglandins in healthy persons and patients with hypertension] Shkhvatsabaia IK, et al. **Ter Arkh** 50(12):41–6, 1978 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Investigations of hormones during early abortion induced by prostaglandin F2alpha and 15(S)-methyl-PGF2alpha. Seifert B, et al. **Acta Biol Med Ger** 37(5–6):955–7, 1976

METABOLISM

Influence of coronary vasodilators on prostaglandin E, F2alpha, I2, and adenosine metabolism. Förster W, et al. **Acta Biol Med Ger** 37(5–6):755–63, 1976

Influence of electrically and aconitine induced arrhythmias on the prostaglandin efflux in coronary sinus blood in dogs. Mest HJ, et al. **Acta Biol Med Ger** 37(5–6):825–6, 1976

Investigations on prostaglandin levels in amniotic fluid and maternal blood during late pregnancy. Nieder J, et al. **Acta Biol Med Ger** 37(5–6):945–7, 1976

Metabolism of prostaglandin F1alpha in the lung and kidney of young and adult spontaneously hypertensive rats. Zadkova GF, et al. **Acta Biol Med Ger** 37(5–6):885, 1976

Effects of antiprogesterone on pregnancy. I. Midpregnancy. Csapo AI, et al. **Am J Obstet Gynecol** 133(2):176–83, 15 Jan 79

Renal excretion of prostaglandins E2 and F2alpha in diabetes insipidus rats. Dunn MJ, et al. **Am J Physiol** 235(6):E624–7, Dec 78

Gonadotropin and prostaglandins binding sites in rough endoplasmic reticulum and Golgi fractions of bovine corpora lutea. Mitra S, et al. **Arch Biochem Biophys** 191(1):331–40, Nov 78

Woronoff's rings with PUVA therapy [letter] Warin AP, et al. **Arch Dermatol** 115(1):105, Jan 79

Prostaglandin E and F2alpha receptors in bovine corpus luteum plasma membranes are two different macromolecular entities. Rao CV, et al. **Biochem Biophys Res Commun** 85(3):1054–60, 14 Dec 78

Prostaglandin E and F2alpha receptors in bovine corpora lutea: relative affinities of products of arachidonic acid metabolism by cyclo-oxygenase. Rao CV, et al. **Biochem Biophys Res Commun** 85(1):125–30, 14 Nov 78

Prostaglandins E2, F2alpha and arachidonic acid levels in irradiated and unirradiated skin of psoriatic patients receiving PUVA treatment. Plummer NA, et al. **Clin Exp Dermatol** 3(4):367–9, Dec 78

Renal prostaglandin production in the Japanese (Kyoto) spontaneously hypertensive rat. Dunn MJ. **Clin Sci Mol Med** 55 Suppl 4:191s–193s, Dec 78

Ionophore A23187 raises cyclic AMP levels in macrophages by stimulating prostaglandin E formation. Gemsa D, et al. **Exp Cell Res** 118(1):55–62, Jan 79

Prostaglandins and thromboxanes: pharmacologic and biosynthetic aspects. Hillier K. **Semin Perinatol** 2(3):187–210, Jul 78 (110 ref.)

Hormonal control of parturition in the sheep and goat. Thorburn GD. **Semin Perinatol** 2(3):235–45, Jul 78 (64 ref.)

[Treatment of primary dysmenorrhea with prostaglandin synthetase inhibitors] Lundström V. **Lakartidningen** 76(8):614–6, 21 Feb 79 (Eng. Abstr.) **(Swe)**

PHARMACODYNAMICS

Effects of prostaglandins on conduction time and refractory period before and after vagotomy and reserpine pretreatment in the cat heart in situ. Bayer BL, et al. **Acta Biol Med Ger** 37(5–6):831–2, 1976

On a direct, antiadrenergic component of prostaglandin action in the heart. Bayer BL, et al. **Acta Biol Med Ger** 37(5–6):829–30, 1976

Comparative effects of prostaglandins on the embryonic myocardium. Boroyan RG, et al. **Acta Biol Med Ger** 37(5–6):797–9, 1976

Comparative effects of prostaglandin F2alpha and A2 on the cardiac transmembrane potentials. Kecskeméti V, et al. **Acta Biol Med Ger** 37(5–6):821–4, 1976

The influence of prostaglandins on body temperature in rats deprived of central heat receptors. Korolkiewicz Z, et al. **Acta Biol Med Ger** 37(5–6):909–11, 1976

The dependence of prostaglandin and arachidonic acid actions on calcium concentration in contraction, action potential and coronary flow of isolated heart preparations. Mentz P, et al. **Acta Biol Med Ger** 37(5–6):811–4, 1976

Interactions of verapamil and prostaglandins F2alpha, D2, I2, A1 and E1 in isolated hearts and coronary preparations. Rettkowski W, et al. **Acta Biol Med Ger** 37(5–6):807–9, 1976

The effects of various prostaglandins on the heart damaged by calcium deficiency and verapamil application. Rettkowski W, et al. **Acta Biol Med Ger** 37(5–6):815–6, 1976

The effect of prostaglandin D2 on isolated perfused guinea-pig hearts. Taube C, et al. **Acta Biol Med Ger** 37(5–6):773–5, 1976

Lack of specific prostaglandin antagonistic effects of 7-oxa-13-prostynoic acid on ovarian metabolism in vitro. Magnusson C, et al. **Acta Physiol Scand** 105(2):239–47, Feb 79

Prostaglandins and gastrointestinal function. Occhipinti M. **Adv Pediatr** 25:205–21, 1978

Adjuvant arthritis in young copper-deficient rats. Milanino R, et al. **Agents Actions** 8(6):623–8, Dec 78

Differences in localization of insulin receptors and adenylate cyclase in the human placenta. Whitsett JA, et al. **Am J Obstet Gynecol** 133(2):204–7, 15 Jan 79

Release of norepinephrine by sympathetic nerve stimulation from rabbit lungs. Tong EY, et al. **Am J Physiol** 235(6):H803–8, Dec 78

Effect of various prostaglandins on the metabolism of fructose by epididymal and ejaculated ram spermatozoa in vitro. Marley PB, et al. **Andrologia** 10(6):453–63, Nov–Dec 78

Species differences in contractility of seminiferous tubules and tunica albuginea as related to sperm transport through the testis. Ellis LC, et al. **Arch Androl** 1(2):139–46, 1978

Effects of prostaglandins and indomethacin on rat epididymal responses to norepinephrine and acetylcholine. Hib J, et al. **Arch Androl** 1(1):43–7, 1978

A modulating role of prostaglandins in responses of guinea-pig isolated ileum to various agonists. Grbovic L, et al. **Arch Int Pharmacodyn Ther** 235(2):230–7, Oct 78

Effect of prostaglandin A1, E2 and F2alpha on the monoamine oxidase (MAO) activity in rat liver and brain. Vijayalakshmi V, et al. **Biochem Pharmacol** 27(24):2961–2, 1978

Effects of prostaglandin E2 and prostaglandin F2alpha upon urinary kallikrein excretion in rats. Croxatto HR, et al. **Clin Sci Mol Med** 55 Suppl 4:187s–189s, Dec 78

Inhibition of glucagon secretion by diazoxide in vitro. Urdanivia E, et al. **Diabetes** 28(1):26–31, Jan 79

Stimulation of the initiation of DNA synthesis and cell division in several cultured mouse cell types. Effect of growth-promoting hormones and nutrients. O'Farrell MK, et al. **Exp Cell Res** 118(2):311–21, Feb 79

Autonomic vascular innervation and vasomotor reactivity in the choroid plexus. Edvinsson L, et al. **Exp Neurol** 62(2):394–404, Nov 78

Oxytocin analogs effective as noncompetitive inhibitors in uterotonic test. Lebl M, et al. **Experientia** 34(12):1543–5, 15 Dec 78

In vitro reversal of indomethacin-blocked ovulation by prostaglandin F2alpha. Hamada Y, et al. **Fertil Steril** 30(6):702–6, Dec 78

Prostaglandins as modulators of pain. Juan H. **Gen Pharmacol** 9(6):403–9, 1978 (79 ref.)

Prostaglandin I2 synthesis and vascular effects in isolated coronary artery. pp. 122–8. Needleman P, et al. **In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.** (15 ref.)

Heterogeneity in the relaxation of vascular smooth muscle. pp. 129–36. Toda N. **In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.** (40 ref.)

Midtrimester abortion with prostaglandin and hypertonic saline—a comparative study. Bhatt RV, et al. **Int J Gynaecol Obstet** 16(3):254–8, 1978–79

Role of the early bovine conceptus and gravid uterus in altering uterine arterial contractility. Ford SP. **J Anim Sci** 47(2):538–43, Aug 78

Effect of prostaglandin E2 and F2alpha on serum luteinizing hormone, testosterone and prolactin in bulls. Haynes NB, et al. **J Anim Sci** 47(4):923–6, Oct 78

Effect of intracarotid infusion of prostaglandin F2alpha on plasma prolactin and growth hormone in bulls. Haynes NB, et al. **J Anim Sci** 47(4):919–22, Oct 78

Luteolysis, growth hormone, glucocorticoids, prolactin and milk production in lactating dairy cows given prostaglandin F2alpha. Renegar RH, et al. **J Anim Sci** 47(2):532–7, Aug 78

Development of lipoprotein lipase activity and accumulation of triacylglycerol in differentiating 3T3-L1 adipocytes. Effects of prostaglandin F2alpha, 1-methyl-3-isobutylxanthine, prolactin, and insulin. Spooner PM, et al. **J Biol Chem** 254(4):1305–11, 25 Feb 79

Midtrimester abortion utilizing intraamniotic prostaglandin F2alpha, laminaria and oxytocin. Horowitz AJ. **J Reprod Med** 21(4):236–40, Oct 78

Ultrastructure of luteolysis induction by prostaglandin

APPENDIX

F2-alpha in the non-pregnant ewe. Van Der Walt LA. **J S Afr Vet Assoc** 49(2):121–3, Jul 78

Effects of prostacyclin and 6-keto PGF1alpha on electrically induced convulsions in mice. Rosenkranz RP, et al. **Life Sci** 23(26):2609–16, 25 Dec 78

Evaluation of the antiasthmatic potential of oxarbazole in guinea pigs. Mielens ZE. **Pharmacology** 17(6):323–9, 1978

Influence of polyphloretin phosphate on the central effects of prostaglandin E2 and F2alpha in rats. Brus R, et al. **Psychopharmacology (Berlin)** 59(3):273–7, 8 Dec 78

Effects of prostaglandins on vesicourethral smooth muscle of rabbit. Therapeutic implications. Khanna OP, et al. **Urology** 12(6):674–81, Dec 78

Prostacyclin: a potent activator of human colonic adenylate cyclase activity. Simon B, et al. **Z Gastroenterol** 16(12):748–51, Dec 78

[Induction of labor with prostaglandins] Béguin F. **Gynaekol Rundsch** 18 Suppl 1:16–27, 1978 **(Fre)**

[Side effects of prostaglandins] Mickan H. **Gynaekol Rundsch** 18 Suppl 1:40–7, 1978 **(Ger)**

[Observations on prostaglandin effects with myometrium strips of human gravid uterus in vitro. Influence of diclofenac on contractions induced by prostaglandin (author's transl)] Cornely M, et al. **Z Geburtshilfe Perinatol** 182(5):358–66, Oct 78 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Action of growth factors in the cell cycle. Rudland PS, et al. **Biochim Biophys Acta** 560(1):91–133, 4 Feb 79 (276 ref.)

Modulation of granulopoiesis: opposing roles of prostaglandins F and E. Miller AM, et al. **J Lab Clin Med** 92(6):983–90, Dec 78

Ripening of the cervix. Liggins GC. **Semin Perinatol** 2(3):261–71, Jul 78 (56 ref.)

Hormonal control of parturition in the sheep and goat. Thorburn GD. **Semin Perinatol** 2(3):235–45, Jul 78 (64 ref.)

THERAPEUTIC USE

Application of prostaglandins in obstetrics and gynecology. Brunnberg FJ. **Acta Biol Med Ger** 37(5–6):917–21, 1976

Postconceptional prostaglandin therapy. Sas M. **Acta Biol Med Ger** 37(5–6):931–5, 1976

Investigations of hormones during early abortion induced by prostaglandin F2alpha and 15(S)-methyl-PGF2alpha. Seifert B, et al. **Acta Biol Med Ger** 37(5–6):955–7, 1976

URINE

Renal excretion of prostaglandins E2 and F2alpha in diabetes insipidus rats. Dunn MJ, et al. **Am J Physiol** 235(6):E624–7, Dec 78

Renal prostaglandin production in the Japanese (Kyoto) spontaneously hypertensive rat. Dunn MJ. **Clin Sci Mol Med** 55 Suppl 4:191s–193s, Dec 78

Acute unilateral ureteral occlusion increases plasma renin activity and contralateral urinary prostaglandin excretion in rabbits. Oliw E. **Eur J Pharmacol** 53(1):95–102, 15 Dec 78

Indomethacin and the nephrotic syndrome. Shehadeh IH, et al. **JAMA** 241(12):1264–6, 23 Mar 79

The effect of inhibition of prostaglandin synthesis on plasma renin activity and blood pressure in essential hypertension. Ylitalo P, et al. **Prostaglandins Med** 1(6):479–88, Dec 78

Radioimmunoassay of main urinary metabolite of prostaglandin F2alpha in patients with diffuse interstitial fibrosing pneumonitis (DIFP) and other respiratory diseases. Kitamura S, et al. **Tohoku J Exp Med** 127(2):177–81, Feb 79

PROSTAGLANDINS G

ANTAGONISTS & INHIBITORS

Unstable metabolites of arachidonic acid aspirin and the formation of the haemostatic plug. Amezcua JL, et al. **Thromb Res** 13(3):477–88, Sep 78

BIOSYNTHESIS

Sensitivity of fatty acid cyclooxygenase from human aorta to acetylation by aspirin. Burch JW, et al. **Proc Natl Acad Sci USA** 75(10):5181–4, Oct 78

PHARMACODYNAMICS

Biosynthesis and biological properties of prostaglandin endoperoxides and thromboxane A2. Svensson J. **Acta Biol Med Ger** 37(5–6):731–40, 1976

Accelerative autoactivation of prostaglandin biosynthesis by PGG2. Hemler ME, et al. **Biochem Biophys Res Commun** 85(4):1325–31, 29 Dec 78

Modulation of human platelet function by prostacyclin and thromboxane A2. Gorman RR. **Fed Proc** 38(1):83–8, Jan 79

Physiologic basis of myometrial function. Anderson NC Jr. **Semin Perinatol** 2(3):211–22, Jul 78 (58 ref.)

PHYSIOLOGY

Biosynthesis and biological properties of prostaglandin endoperoxides and thromboxane A2. Svensson J. **Acta Biol Med Ger** 37(5–6):731–40, 1976

PROSTAGLANDINS H

ANALYSIS

Use of the rabbit transverse stomach-strip to identify and assay prostacyclin, PGA2, PGD2 and other prostaglandins. Whittle BJ, et al. **Eur J Pharmacol** 53(2):167–72, 1 Jan 79

METABOLISM

Thromboxane A2 biosynthesis in human lung fibroblasts WI-38. Hopkins NK, et al. **Biochem Biophys Res Commun** 85(2):827–36, 29 Nov 78

Studies on the thromboxane synthesizing system in human platelet microsomes. Tai HH, et al. **Biochim Biophys Acta** 531(3):286–94, 22 Dec 78

Coronary vasospastic action of thromboxane A2 in isolated, working guinea pig hearts. Terashita ZI, et al. **Eur J Pharmacol** 53(1):49–56, 15 Dec 78

Prostaglandins and the heart. Sivakoff M, et al. **Fed Proc** 38(1):78–82, Jan 79

PHARMACODYNAMICS

Biosynthesis and biological properties of prostaglandin endoperoxides and thromboxane A2. Svensson J. **Acta Biol Med Ger** 37(5–6):731–40, 1976

Accelerative autoactivation of prostaglandin biosynthesis by PGG2. Hemler ME, et al. **Biochem Biophys Res Commun** 85(4):1325–31, 29 Dec 78

Thromboxane A2 biosynthesis in human lung fibroblasts WI-38. Hopkins NK, et al. **Biochem Biophys Res Commun** 85(2):827–36, 29 Nov 78

Regulatory role of cyclic adenosine 3',5'-monophosphate on the platelet cyclooxygenase and platelet function. Fitzpatrick FA, et al. **Biochim Biophys Acta** 582(1):44–58, 4 Jan 79

Independence of the cyclic AMP-lowering activity of thromboxane A2 from the platelet release reaction. Gorman RR, et al. **Biochim Biophys Acta** 572(1):95–104, 29 Jan 79

Modulation of human platelet function by prostacyclin and thromboxane A2. Gorman RR. **Fed Proc** 38(1):83–8, Jan 79

Prostaglandin I2 synthesis and vascular effects in isolated coronary artery. pp. 122–8. Needleman P, et al. **In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.** (15 ref.)

Effects of prostaglandin cyclic endoperoxides on the lung circulation of unanesthetized sheep. Bowers RE, et al. **J Clin Invest** 63(1):131–7, Jan 79

PHYSIOLOGY

Biosynthesis and biological properties of prostaglandin endoperoxides and thromboxane A2. Svensson J. **Acta Biol Med Ger** 37(5–6):731–40, 1976

PROSTAGLANDINS X

A triple test for screening biological activity of prostacyclin analogues. Gryglewski RJ, et al. **Experientia** 34(10):1336–8, 15 Oct 78

ADMINISTRATION & DOSAGE

Effects of prostacyclin and 6-keto PGF1alpha on electrically induced convulsions in mice. Rosenkranz RP, et al. **Life Sci** 23(26):2609-16, 25 Dec 78

[Study of an inhibitor of platelet aggregation [prostacycline] derived from rat arterial wall (author's transl)] Garcia-Conde J, et al. **Sangre (Barc)** 23(5):526-34, 1978 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

Effects of sulphinpyrazone and aspirin on prostaglandin I2 (prostacyclin) synthesis by endothelial cells. Gordon JL, et al. **Br J Pharmacol** 64(4):481-3, Dec 78

A new circulatory hormone: prostacyclin. Gryglewski RJ. **Bull Mem Acad R Med Belg** 133(9):470-4, 21 Oct 78

Endogenous prostaglandin synthesis inhibitor in the renal cortex. Effects on production of prostacyclin by renal blood vessels. Terragno NA, et al. **Clin Sci Mol Med** 55 Suppl 4:199s-202s, Dec 78

Some properties of prostacyclin synthase from pig aorta. Wlodawer P, et al. **FEBS Lett** 97(1):32-6, 1 Jan 79

The role of prostacyclin in vascular tissue. Moncada S, et al. **Fed Proc** 38(1):66-71, Jan 79 (97 ref.)

Prostaglandins and the heart. Sivakoff M, et al. **Fed Proc** 38(1):78-82, Jan 79

Prostaglandin I2 synthesis and vascular effects in isolated coronary artery. pp. 122-8. Needleman P, et al. **In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.** (15 ref.)

Metabolism of arachidonic acid in rabbit ocular tissues. Bhattacherjee P, et al. **Invest Ophthalmol Vis Sci** 18(2):172-8, Feb 79

Rectal mucosa prostacyclin formation in ulcerative colitis [letter] Sinzinger H, et al. **Lancet** 1(8113):444, 24 Feb 79

Sensitivity of fatty acid cyclooxygenase from human aorta to acetylation by aspirin. Burch JW, et al. **Proc Natl Acad Sci USA** 75(10):5181-4, Oct 78

Effect of ticlopidine and acetylsalicylic acid on generation of prostaglandin 12-like substance in rat arterial tissue. Ashida S, et al. **Thromb Res** 13(5):901-8, Nov 78

Unbalanced prostaglandin synthesis and plasma factors in uraemic bleeding. A hypothesis. Remuzzi G, et al. **Thromb Res** 13(3):531-6, Sep 78

BLOOD

Implications of prostacyclin generation for modulation of vascular tone. Dusting GJ, et al. **Clin Sci Mol Med** 55 Suppl 4:195s-198s, Dec 78

METABOLISM

Influence of coronary vasodilators on prostaglandin E, F2alpha, I2, and adenosine metabolism. Förster W, et al. **Acta Biol Med Ger** 37(5-6):755-63, 1976

A new circulatory hormone: prostacyclin. Gryglewski RJ. **Bull Mem Acad R Med Belg** 133(9):470-4, 21 Oct 78

The role of prostaglandins in the pathogenesis of hypertension. Markov CM. **Clin Sci Mol Med** 55 Suppl 4:207s-210s, Dec 78

Prostacyclin (PGI2), the vascular wall and vasodilatation. pp. 107-21. Moncada S, et al. **In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.** (107 ref.)

Decreased vascular prostacyclin in juvenile-onset diabetes [letter] Silberbauer K, et al. **N Engl J Med** 300(7):366-7, 15 Feb 79

Enhanced prostacyclin availability of blood vessels in uraemic humans and rats. Leithner C, et al. **Proc Eur Dial Transplant Assoc** 15:418-23, 1978

Vascular factors in the pathogenesis of uraemic bleeding. Remuzzi G, et al. **Proc Eur Dial Transplant Assoc** 15:449-55, 1978

Endothelial cell physiology, perturbations and responses. Barnhart MI, et al. **Semin Thromb Hemostas** 5(2):50-86, Fall 78 (212 ref.)

Platelet-endothelial cell interactions. Metabolic maps of structures and actions of prostaglandins, prostacyclin, thromboxane and cyclic AMP. Nalbandian RM, et al. **Semin Thromb Hemostas** 5(2):87-111, Fall 78 (62 ref.)

PHARMACODYNAMICS

The antiarrhythmic action of prostacyclin (PGI2) on aconitine induced arrhythmias in rats. Mest HJ, et al. **Acta Biol Med Ger** 37(5-6):827-8, 1976

Interactions of verapamil and prostaglandins F2alpha, D2, I2, A1 and E1 in isolated hearts and coronary preparations. Rettkowski W, et al. **Acta Biol Med Ger** 37(5-6):807-9, 1976

The general pharmacology of prostacyclin PGI2, (PGX): a new prostaglandin especially active on the cardivascular system. Weeks JR. **Acta Biol Med Ger** 37(5-6):707-14, 1976

Some actions of prostacyclin (PGI2) on the cardiovascular system and the gastric microcirculation. Whittle BJ, et al. **Acta Biol Med Ger** 37(5-6):725-8, 1976

Thromboxane A2 biosynthesis in human lung fibroblasts WI-38. Hopkins NK, et al. **Biochem Biophys Res Commun** 85(2):827-36, 29 Nov 78

Independence of the cyclic AMP-lowering activity of thromboxane A2 from the platelet release reaction. Gorman RR, et al. **Biochim Biophys Acta** 572(1):95-104, 29 Jan 79

Concurrent studies of oxygen consumption and aggregation in stimulated human platelets. Bressler NM, et al. **Blood** 53(2):167-78, Feb 79

Prostacyclin (prostaglandin I2, PGI2) inhibits platelet adhesion and thrombus formation on subendothelium. Weiss HJ, et al. **Blood** 53(2):244-50, Feb 79

Responses of human and baboon arteries to prostaglandin endoperoxides and biologically generated and synthetic prostacyclin: their relevance to cerebral arterial spasm in man. Boullin DJ, et al. **Br J Clin Pharmacol** 7(2):139-47, Feb 79

The hemodynamic effects of prostaglandins in the rat. Evidence for important species variation in renovascular responses. Gerber JG, et al. **Circ Res** 44(3):406-10, Mar 79

Implications of prostacyclin generation for modulation of vascular tone. Dusting GJ, et al. **Clin Sci Mol Med** 55 Suppl 4:195s-198s, Dec 78

A triple test for screening biological activity of prostacyclin analogues. Gryglewski RJ, et al. **Experientia** 34(10):1336-8, 15 Oct 78

Modulation of human platelet function by prostacyclin and thromboxane A2. Gorman RR. **Fed Proc** 38(1):83-8, Jan 79

The role of prostacyclin in vascular tissue. Moncada S, et al. **Fed Proc** 38(1):66-71, Jan 79 (97 ref.)

The participation of prostaglandins in the control of renin release. Oates JA, et al. **Fed Proc** 38(1):72-4, Jan 79

Prostacyclin (PGI2), the vascular wall and vasodilatation. pp. 107-21. Moncada S, et al. **In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.** (107 ref.)

Prostaglandin I2 synthesis and vascular effects in isolated coronary artery. pp. 122-8. Needleman P, et al. **In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.** (15 ref.)

Stimulation of human foreskin fibroblast adenosine 3':5'-cyclic monophosphate levels by prostacyclin (prostaglandin I2). Gorman RR, et al. **J Biol Chem** 254(5):1671-6, 10 Mar 79

Prostacyclin effects on renal hemodynamic and excretory functions in the rat. Baer PG, et al. **J Pharmacol Exp Ther** 208(2):294-7, Feb 79

Prostacyclin: a potent coronary dilating agent in the rat isolated heart [proceedings] Link HB, et al. **J Physiol (Lond)** 284:106P-107P, Nov 78

Effects of prostacyclin and 6-keto PGF1alpha on electrically induced convulsions in mice. Rosenkranz RP, et al. **Life Sci** 23(26):2609-16, 25 Dec 78

20-Methyl-prostacyclin analogs--a two stage screening procedure for biological properties. Gandolfi CA, et al. **Pharmacol Res Commun** 10(10):885-96, Nov 78

Enhanced prostacyclin availability of blood vessels in uraemic humans and rats. Leithner C, et al. **Proc Eur Dial Transplant Assoc** 15:418-23, 1978

Prostacyclin (PGI2) and thromboxane A2 interaction in vivo. Regulation by aspirin and relationship with anti-thrombotic therapy. Korbut R, et al. **Thromb Res** 13(3):489-500, Sep 78

Prostacyclin: a potent activator of human colonic adenylate cyclase activity. Simon B, et al. **Z Gastroenterol** 16(12):748-51, Dec 78

PHYSIOLOGY

A possible role of thromboxane A2 (TXA2) and prostacyclin (PGI2) in circulation. Gryglewski RJ, et al. **Acta Biol Med Ger** 37(5-6):715-23, 1976

The production of prostaglandin I2 in heart and blood vessels and its physiological role in heart function and thromboregulation. ten Hoor F, et al. **Acta Biol Med Ger** 37(5-6):729-30, 1976

Compartmentalization of prostaglandins and prostacyclin within the kidney: implications for renal function. McGiff JC, et al. **Fed Proc** 38(1):89-93, Jan 79

APPENDIX

The role of prostacyclin in vascular tissue. Moncada S, et al. **Fed Proc** 38(1):66–71, Jan 79 (97 ref.)
Prostaglandins and thromboxanes. Samuelsson B. **Recent Prog Horm Res** 34:239–58, 1978 (59 ref.)

THERAPEUTIC USE

Haemodialysis without heparin. Woods HF, et al. **Proc Eur Dial Transplant Assoc** 15:122–9, 1978

RECEPTORS, ANDROGEN

Hormonal analysis and delayed hypersensitivity reactions in identical twins with severe acne. Palatsi R, et al. **Acta Derm Venereol (Stockh)** 59(2):157–60, 1979
Androgen target cells in the bursa of Fabricius of the chick embryo: autoradiographic localization. Gasc JM, et al. **Proc Soc Exp Biol Med** 160(1):55–8, Jan 79
[Hormones and breast neoplasms] Paszko Z. **Nowotwory** 28(4):353–70, Dec 78 **(Pol)**

ANALYSIS

The clinical value of hormone receptor assays in malignant disease. Friedman MA, et al. **Cancer Treat Rev** 5(4):185–94, Dec 78 (72 ref.)
The binding of a potent synthetic androgen—methyltrienolone (R 1881)—to cytosol preparations of human prostatic cancer. Walsh PC, et al. **Trans Am Assoc Genitourin Surg** 69:78–80, 1977
[Rebound regression after additional hormonal treatment with ethinyl oestradiol of metastasising carcinoma of the breast in females: frequency and clinical significance (author's transl)] Quednau D, et al. **Dtsch Med Wochenschr** 103(51):2029–32, 22 Dec 78 (Eng. Abstr.) **(Ger)**
[Technical problems in the demonstration of prostatic hormones] Ranft R. **Z Urol Nephrol** 71(10):689–92, Oct 78 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

The binding of a potent synthetic androgen—methyltrienolone (R 1881)—to cytosol preparations of human prostatic cancer. Walsh PC, et al. **Trans Am Assoc Genitourin Surg** 69:78–80, 1977

GENETICS

Hormonal analysis and delayed hypersensitivity reactions in identical twins with severe acne. Palatsi R, et al. **Acta Derm Venereol (Stockh)** 59(2):157–60, 1979
The nosology of male pseudohermaphroditism due to androgen insensitivity. Pinsky L. **Birth Defects** 14(6C):73–95, 1978 (88 ref.)

ISOLATION & PURIFICATION

Androgen receptor in the rat brain—assays and properties. Chamness GC, et al. **Brain Res** 161(2):267–76, 2 Feb 79
A comparison of heparin agarose and DNA cellulose for the characterization and partial purification of androgen receptors from rat prostate. Mulder E, et al. **FEBS Lett** 97(2):260–4, 15 Jan 79
Assay of nuclear androgen receptor in human prostate. Lieskovsky G, et al. **J Urol** 121(1):54–8, Jan 79

METABOLISM

Hormonal analysis and delayed hypersensitivity reactions in identical twins with severe acne. Palatsi R, et al. **Acta Derm Venereol (Stockh)** 59(2):157–60, 1979
The influence of aging on androgen dynamics in the male rat. Robinette CL, et al. **Arch Biochem Biophys** 191(2):503–16, Dec 78
Partial characterization of [3H]methyltrienolone binding in rat prostate cytosol. Pousette A, et al. **Biochim Biophys Acta** 582(2):358–67, 18 Jan 79
Androgen receptor in the rat brain—assays and properties. Chamness GC, et al. **Brain Res** 161(2):267–76, 2 Feb 79
Metabolic responses of Sertoli cells in culture to various concentrations of follicle stimulating hormone and cholera toxin. Fritz IB, et al. **Can J Biochem** 56(9):875–9, Sep 78
A comparison of heparin agarose and DNA cellulose for the characterization and partial purification of androgen receptors from rat prostate. Mulder E, et al. **FEBS Lett** 97(2):260–4, 15 Jan 79
Feminization of the alcoholic: the estrogen/testosterone ratio (E/T) [editorial] Lester R, et al. **Gastroenterology** 76(2):415–7, Feb 79
Androgen insensitivity as a cause of infertility in otherwise normal men. Aiman J, et al. **N Engl J Med** 300(5):223–7, 1 Feb 79
Protein factor that inhibits binding and promotes release of androgen-receptor complex from nuclear chromatin. Shyr CI, et al. **Proc Natl Acad Sci USA** 75(12):5969–73, Dec 78
Detection of androgen and estrogen receptors in human prostatic carcinoma and hyperplasia by fluorescence microscopy. Pertschuk LP, et al. **Res Commun Chem Pathol Pharmacol** 22(2):427–30, Nov 78

RECEPTORS, ANGIOTENSIN

DRUG EFFECTS

Facilitation of cardiac sympathetic function by angiotensin II: role of presynaptic angiotensin receptors. Lokhandwala MF, et al. **Eur J Pharmacol** 52(3–4):405–9, 1 Dec 78
Effect of saralasin on plasma renin activity and arginine-vasopressin in hypertensive man. Arlart IP, et al. **Proc Eur Dial Transplant Assoc** 15:412–7, 1978

METABOLISM

Evidence for an angiotensin receptor in esophageal smooth muscle of the opossum. Mukhopadhyay AK, et al. **Am J Physiol** 235(6):E738–42, Dec 78
Alterations of adrenal and uterine angiotensin II receptors during variation of sodium intake and/or experimental hypertension. Devynck MA, et al. **Clin Sci Mol Med** 55 Suppl 4:171S–174S, Dec 78

PHYSIOLOGY

The renin–angiotensin–aldosterone system. Past, present and future. Vecsei P, et al. **Klin Wochenschr** 56 Suppl 1:5–21, 1978 (231 ref.)

RECEPTORS, CYCLIC AMP

ISOLATION & PURIFICATION

Cyclic AMP-binding proteins and protamine kinases in porcine thyroid cytosol. Tirard A, et al. **Biochim Biophys Acta** 537(2):485–94, 20 Dec 78

METABOLISM

Cyclic AMP-binding proteins and protamine kinases in porcine thyroid cytosol. Tirard A, et al. **Biochim Biophys Acta** 537(2):485–94, 20 Dec 78
Determination of the rates of synthesis and degradation of adenosine 3',5'-cyclic monophosphate in Escherichia coli CRP- and CRP+ strains. Fraser AD, et al. **Can J Biochem** 56(9):849–52, Sep 78

RECEPTORS, ESTROGEN

Tamoxifen in advanced breast cancer. Mouridsen H, et al. **Cancer Treat Rev** 5(3):131–41, Sep 78 (45 ref.)
A functional model of the structure of the epithelium of normal, hyperplastic and malignant human endometrium: a review. Prianishnikov VA. **Gynecol Oncol** 6(5):420–8, Oct 78 (38 ref.)
Are surgical adjuvant trials altering the course of breast cancer? Bonadonna G, et al. **Semin Oncol** 5(4):450–64, Dec 78 (55 ref.)
Medical treatment for advanced breast cancer. Carbone PP, et al. **Semin Oncol** 5(4):417–27, Dec 78 (43 ref.)
Future prospectives in the treatment of breast cancer. Henney JE, et al. **Semin Oncol** 5(4):465–8, Dec 78
Hormone receptors: their role in predicting prognosis and response to endocrine therapy. McGuire WL. **Semin Oncol** 5(4):428–33, Dec 78
The importance of pathology in prognosis and management of breast cancer. Rilke F, et al. **Semin Oncol** 5(4):360–72, Dec 78 (100 ref.)
Morphologic and clinical aspects of estrogen receptors in carcinoma of the breast. Kern WH. **Surg Gynecol Obstet** 148(2):240–2, Feb 79
Breast cancer prognosis and estrogen receptors. Buchanan-Davidson DJ. **Wis Med J** 78(1):16–7, Jan 79

ANALYSIS

The clinical value of hormone receptor assays in malignant disease. Friedman MA, et al. **Cancer Treat Rev** 5(4):185–94, Dec 78 (72 ref.)

Oestrogen receptors and peripheral serum levels of oestradiol–17beta in patients with mammary carcinoma. Theve NO, et al. **Eur J Cancer** 14(12):1337–40, Dec 78

Oestrogen receptor content of primary breast tumours as a prognostic indicator of early recurrence [proceedings] Maynard PV, et al. **J Endocrinol** 79(2):50P–51P, Nov 78

Chemotherapy in breast cancer [editorial] Funder JW, et al. **Med J Aust** 1(1):10, 13 Jan 79

[Rebound regression after additional hormonal treatment with ethinyl oestradiol of metastasising carcinoma of the breast in females: frequency and clinical significance (author's transl)] Quednau D, et al. **Dtsch Med Wochenschr** 103(51):2029–32, 22 Dec 78 (Eng. Abstr.) **(Ger)**

[Technical problems in the demonstration of prostatic hormones] Ranft R. **Z Urol Nephrol** 71(10):689–92, Oct 78 (Eng. Abstr.) **(Ger)**

[Hormones and breast neoplasms] Paszko Z. **Nowotwory** 28(4):353–70, Dec 78 **(Pol)**

DRUG EFFECTS

Effect of the anti–estrogen, nafoxidine, on NZB/W autoimmune disease. Duvic M, et al. **Arthritis Rheum** 21(4):414–7, May 78

Modification of nuclear retention of [3H]estradiol by cells of the hypothalamus as a function of early hormone experience. DeBold JF. **Brain Res** 159(2):416–20, 29 Dec 78

Changes in the concentration of uterine cytoplasmic oestrogen receptors induced by doxorubicin and methotrexate. Di Carlo F, et al. **J Endocrinol** 79(2):201–8, Nov 78

Interactions of methoxychlor, methoxychlor base–soluble contaminant, and 2,2–bis(p–hydroxyphenyl)–1,1,1–trichloroethane with rat uterine estrogen receptor. Bulger WH, et al. **J Toxicol Environ Health** 4(5–6):881–93, Sep–Nov 78

ISOLATION & PURIFICATION

Estrogen target sites in the cloacal region of female and male chick embryos. Gasc JM, et al. **Cell Tissue Res** 193(3):457–62, 30 Oct 78

METABOLISM

The specificity of the human uterine receptor. Fanchenko ND, et al. **Acta Endocrinol (Copenh)** 90(1):167–75, Jan 79

Localization, metabolism, and binding of estrogens in the male rat. Robinette CL, et al. **Arch Biochem Biophys** 191(2):517–24, Dec 78

Translocation of 4S and 5S forms of estrogen–receptors into rat liver nuclei in vitro. Powell–Jones W, et al. **Biochem Biophys Res Commun** 85(1):167–73, 14 Nov 78

Interaction of progestins with steroid receptors in human uterus. Kasid A, et al. **Biochem J** 176(2):531–9, 15 Nov 78

The oestrogen receptor in the rat uterus in relation to intra–uterine devices and the oestrous cycle. Myatt L, et al. **Biochem J** 176(2):523–9, 15 Nov 78

Inter–site variation of oestrogen receptors in human breast cancers. Tilley WD, et al. **Br J Cancer** 38(4):544–6, Oct 78

Modification of nuclear retention of [3H]estradiol by cells of the hypothalamus as a function of early hormone experience. DeBold JF. **Brain Res** 159(2):416–20, 29 Dec 78

Biological activities and receptor affinities of some natural and synthetic oestrogens and their D–homo analogues. Lotz W. **Experientia** 34(10):1373–4, 15 Oct 78

Danazol binding to rat androgen, glucocorticoid, progesterone, and estrogen receptors: correlation with biologic activity. Barbieri RL, et al. **Fertil Steril** 31(2):182–6, Feb 79

Feminization of the alcoholic: the estrogen/testosterone ratio (E/T) [editorial] Lester R, et al. **Gastroenterology** 76(2):415–7, Feb 79

Metabolic and proliferative responses to estrogen by hepatocytes selected for plasma membrane binding–sites specific for estradiol–17beta. Pietras RJ, et al. **J Cell Physiol** 98(1):145–59, Jan 79 (64 ref.)

Changes in the concentration of uterine cytoplasmic oestrogen receptors induced by doxorubicin and methotrexate. Di Carlo F, et al. **J Endocrinol** 79(2):201–8, Nov 78

Estrogen and progestin binding in cytosols of ovarian adenocarcinomas. Holt JA, et al. **Obstet Gynecol** 53(1):50–8, Jan 79

Biochemical studies on endometrium from postmenopausal women receiving hormone replacement therapy. King RJ, et al. **Postgrad Med J** 54(2):65–8, 1978

Estrogen receptor has enhanced affinity for bromodeoxyuridine–substituted DNA. Kallos J, et al. **Proc Natl Acad Sci USA** 75(10):4896–900, Oct 78

Detection of androgen and estrogen receptors in human prostatic carcinoma and hyperplasia by fluorescence microscopy. Pertschuk LP, et al. **Res Commun Chem Pathol Pharmacol** 22(2):427–30, Nov 78

Mammary cancer: selective action of the estrogen receptor complex. Ip M, et al. **Science** 203(4378):361–3, 26 Jan 79

[Breast cancer (editorial)] **S Afr Med J** 54(10):379, 2 Sep 78 **(Afr)**

[Hormones and breast neoplasms] Paszko Z. **Nowotwory** 28(4):353–70, Dec 78 **(Pol)**

[Properties of sex steroid–binding protein from Xenopus laevis blood serum and detection of an estradiol–binding component in frog liver cytosol which differs from sex steroid–binding protein] Smirnova OV, et al. **Biokhimiia** 43(8):1444–51, Aug 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Effect of the anti–estrogen, nafoxidine, on NZB/W autoimmune disease. Duvic M, et al. **Arthritis Rheum** 21(4):414–7, May 78

Sampling of biologic rhythms, chronocytokinetics and experimental oncology. pp. 175–90. Halberg F, et al. **In: Valleron AJ, Macdonald PD, ed. Biomathematics and cell kinetics. Amsterdam, Elsevir/North–Holland, 1978. W1 DE997VN v.2 1978.** (98 ref.)

[Hormone receptors in gynaecology. Towards practical applications? (author's transl)] Lecomte P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(6):1051–64, Sep 78 (Eng. Abstr.) **(Fre)**

[Hormones and breast neoplasms] Paszko Z. **Nowotwory** 28(4):353–70, Dec 78 **(Pol)**

RECEPTORS, GLUCOCORTICOID

Glucocorticoid receptors and glutamine synthetase in leukemic Sézary cells. Schmidt TJ, et al. **Cancer Res** 39(2 Pt 1):376–82, Feb 79

Biochemical characteristics of chronic lymphocytic leukaemia. Glucocorticoid receptors, B and T lymphocyte surface markers, concanavalin A–induced agglutination and thymidine incorporation. Simonsson B, et al. **Scand J Haematol** 21(5):379–89, Nov 78

Effects of prednisolone in 6 cases of glucocorticoid receptor–positive CLL. Simonsson B, et al. **Scand J Haematol** 21(5):390–5, Nov 78

ANALYSIS

A comparison of the glucocorticoid receptor in cytosol from rat liver and hippocampus. Wrange O. **Biochim Biophys Acta** 582(2):346–57, 18 Jan 79

[Specific glucocorticoid receptor activity in the lungs and concentration of corticosteroids in the plasma of newborn rabbits during the first hours of life (author's transl)] Bichler A, et al. **Arch Gynecol** 226(4):307–13, 29 Dec 78 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Glucocorticoids regulate the concentration of 1,25–dihydroxycholecalciferol receptors in bone. Manolagas SC, et al. **Nature** 277(5694):314–5, 22 Jan 79

METABOLISM

Binding of steroids to the cytoplasmic receptor of the embryonic chick retina: kinetics and structural considerations. Piperberg JB. **Arch Biochem Biophys** 191(1):367–74, Nov 78

A comparison of the glucocorticoid receptor in cytosol from rat liver and hippocampus. Wrange O. **Biochim Biophys Acta** 582(2):346–57, 18 Jan 79

Danazol binding to rat androgen, glucocorticoid, progesterone, and estrogen receptors: correlation with biologic activity. Barbieri RL, et al. **Fertil Steril** 31(2):182–6, Feb 79

Transformation of the glucocorticoid receptor in rat liver cytosol by lysosomal enzymes. Carlstedt–Duke J, et al. **J Biol Chem** 254(5):1537–9, 10 Mar 79

Specific interaction of corticosteroids with binding sites in the plasma membranes of the rat anterior pituitary gland. Koch B, et al. **J Endocrinol** 79(2):215–22, Nov 78

Glucocorticoids regulate the concentration of

1,25-dihydroxycholecalciferol receptors in bone. Manolagas SC, et al. **Nature** 277(5694):314-5, 22 Jan 79

PHYSIOLOGY

Mechanisms of glucocorticoid inhibition of growth. Baxter JD. **Kidney Int** 14(4):330-3, Oct 78 (30 ref.)

RECEPTORS, HORMONE

Ovarian binding and intrinsic biological activity of desialylated human chorionic gonadothrophin (ASIALO-hCG). Odink J, et al. **Acta Endocrinol (Copenh)** 90(2):349-60, Feb 79

9th annual meeting of the European Thyroid Association. Abstracts. Berlin-4--8 September 1978. **Ann Endocrinol (Paris)** 39(5):1A-62A, 1978

Glucocorticoid modulation of prolactin receptors on mammary cells of lactating mice. Sakai S, et al. **Biochim Biophys Acta** 582(1):79-88, 4 Jan 79

Polypeptide hormone-receptor interactions: the structure and receptor binding of insulin and glucagon. Bedarkar S, et al. **Ciba Found Symp** (60):105-21, 1977

Receptors, neurotransmitters and drug responses. Snyder SH. **N Engl J Med** 300(9):465-72, 1 Mar 79 (61 ref.)

Thyroxine transport proteins of plasma. Molecular properties and biosynthesis. Robbins J, et al. **Recent Prog Horm Res** 34:477-519, 1978 (97 ref.)

[The mechanism of gonadal differentiation] Wolf U. **Bull Schweiz Akad Med Wiss** 34(4-6):357-68, Nov 78 (Eng. Abstr.) **(Ger)**

ANALYSIS

The clinical value of hormone receptor assays in malignant disease. Friedman MA, et al. **Cancer Treat Rev** 5(4):185-94, Dec 78 (72 ref.)

Gonadal luteinizing hormone receptors and adenylate cyclase: transfer of functional ovarian luteinizing hormone receptors to adrenal fasciculata cells. Dufau ML, et al. **Proc Natl Acad Sci USA** 75(10):4769-73, Oct 78

Gonadotropin receptors and regulation of steroidogenesis in the testis and ovary. Dufau ML, et al. **Vitam Horm** 36:461-592, 1978 (269 ref.)

DRUG EFFECTS

Effects of alpha- and beta-adrenergic blockers on binding of thyrotrophin to fat cell membrane. Kishihara M, et al. **Acta Endocrinol (Copenh)** 90(2):240-8, Feb 79

Recognition of the beta-subunit of human chorionic gonadotropin and sub-determinants by target tissue receptors. Ramakrishnan S, et al. **Biochem J** 176(2):599-602, 15 Nov 78

Glucocorticoid modulation of prolactin receptors on mammary cells of lactating mice. Sakai S, et al. **Biochim Biophys Acta** 582(1):79-88, 4 Jan 79

The binding of 125I-TSH to thyroid cell receptors previously deformed (in neonatal age) by gonadotropin treatment. Csaba G, et al. **Biol Neonate** 34(5-6):275-7, 1978

Facilitation of cardiac sympathetic function by angiotensin II: role of presynaptic angiotensin receptors. Lokhandwala MF, et al. **Eur J Pharmacol** 52(3-4):405-9, 1 Dec 78

Effects of sex steroids and antihormones on growth, adhesiveness and receptors of L-929 cells cultured in serum-containing and serum-free media. Jung-Testas I, et al. **Exp Cell Res** 119(1):75-85, 1 Mar 79

Effects of follicle-stimulating hormone and testosterone on receptors of follicle-stimulating hormone in the testis of the immature Japanese quail. Tsutsui K, et al. **Gen Comp Endocrinol** 36(2):297-305, Oct 78

Glucocorticoid-mediated alteration in growth factor binding and action: analysis of the binding change. Baker JB, et al. **J Supramol Struct** 9(1):69-77, 1978

Influence of bromoergocryptine on estrogen-modulated prolactin receptors of mouse mammary gland. Sheth NA, et al. **Mol Cell Endocrinol** 12(2):167-76, Nov 78

Occupancy of aldosterone binding sites in rat kidney cytosol. Warnock DG, et al. **Mol Cell Endocrinol** 12(2):221-33, Nov 78

Receptors, neurotransmitters and drug responses. Snyder SH. **N Engl J Med** 300(9):465-72, 1 Mar 79 (61 ref.)

Hormones and cell culture. Rudland PS. **Nature** 276(5684):113-4, 9 Nov 78

ISOLATION & PURIFICATION

Solubilization of the lactogenic receptors from rat liver microsomes. Bonifacino JS, et al. **Biochem Biophys Res Commun** 85(1):62-9, 14 Nov 78

METABOLISM

Internalization and degradation of receptor-bound hCG in granulosa cell cultures. Amsterdam A, et al. **Am J Physiol** 236(2):E129-38, Feb 79

Evidence for an angiotensin receptor in esophageal smooth muscle of the opossum. Mukhopadhyay AK, et al. **Am J Physiol** 235(6):E738-42, Dec 78

Arginine vasopressin metabolism in dogs. I. Evidence for a receptor-mediated mechanism. Weitzman RE, et al. **Am J Physiol** 235(6):E591-7, Dec 78

Arginine vasopressin metabolism in dogs. II. Modeling and system analysis. Wilson KC, et al. **Am J Physiol** 235(6):E598-605, Dec 78

LH receptors and Leydig cell responsiveness to hCG in vitro. Purvis K, et al. **Arch Androl** 1(4):299-310, Sep 78

Gonadotropin and prostaglandins binding sites in rough endoplasmic reticulum and Golgi fractions of bovine corpora lutea. Mitra S, et al. **Arch Biochem Biophys** 191(1):331-40, Nov 78

Solubilization of the lactogenic receptors from rat liver microsomes. Bonifacino JS, et al. **Biochem Biophys Res Commun** 85(1):62-9, 14 Nov 78

D-Ala2, deltaZPhe4-methionine enkephalin amide, a dehydropeptide hormone. English ML, et al. **Biochem Biophys Res Commun** 85(2):780-2, 29 Nov 78

Prostaglandin E and F2alpha receptors in bovine corpus luteum plasma membranes are two different macromolecular entities. Rao CV, et al. **Biochem Biophys Res Commun** 85(3):1054-60, 14 Dec 78

Prostaglandin E and F2alpha receptors in bovine corpora lutea: relative affinities of products of arachidonic acid metabolism by cyclo-oxygenase. Rao CV, et al. **Biochem Biophys Res Commun** 85(1):125-30, 14 Nov 78

Isolation and partial characterization of secreted mouse pituitary prolactin. Shoer LF, et al. **Biochim Biophys Acta** 537(2):336-47, 20 Dec 78

Oxytocin binding sites in lactating rabbit mammary gland. Markle HV, et al. **Can J Biochem** 56(10):968-76, Oct 78

Polypeptide hormone-receptor interactions: the structure and receptor binding of insulin and glucagon. Bedarkar S, et al. **Ciba Found Symp** (60):105-21, 1977

Cell-surface receptors in health and disease. Blecher M. **Clin Chem** 25(1):11-9, Jan 79

Pituitary and placental gonadotrophins and sex steroids in the human and sub-human primate fetus. Kaplan SL, et al. **Clin Endocrinol Metab** 7(3):487-511, Nov 78 (114 ref.)

Alterations of adrenal and uterine angiotensin II receptors during variation of sodium intake and/or experimental hypertension. Devynck MA, et al. **Clin Sci Mol Med** 55 Suppl 4:171S-174S, Dec 78

Triiodothyronine binding to brain cytosol receptors during maturation. Dozin-van Roye B, et al. **FEBS Lett** 96(1):152-4, 1 Dec 78

Effects of follicle-stimulating hormone and testosterone on receptors of follicle-stimulating hormone in the testis of the immature Japanese quail. Tsutsui K, et al. **Gen Comp Endocrinol** 36(2):297-305, Oct 78

Appearance of hCG-receptor after conversion of newborn ovarian cells into testicular structures by H-Y antigen in vitro. Müller U, et al. **Hum Genet** 45(2):203-7, 18 Dec 78

Drug receptors--an overview. Vaidya AB. **J Assoc Physicians India** 26(8):727-34, Aug 78

Coupling of glucagon receptor to adenylyl cyclase. Requirement of a receptor-related guanyl nucleotide binding site for coupling of receptor to the enzyme. Iyengar R, et al. **J Biol Chem** 254(4):1119-23, 25 Feb 79

Properties of the parathyroid hormone receptor-adenylate cyclase system in chicken renal plasma membranes. Nissenson RA, et al. **J Biol Chem** 254(5):1469-75, 10 Mar 79

Glucagon1-6 binds to the glucagon receptor and activates hepatic adenylate cyclase. Wright DE, et al. **J Biol Chem** 254(2):268-9, 25 Jan 79

Receptors for follicle-stimulating hormone and human chorionic gonadotrophin in the ovine follicle: changes in binding with atresia in vitro [proceedings] Carson RS, et al. **J Endocrinol** 79(2):27P-28P, Nov 78

Thyrotrophin receptors in human adipose tissue [proceedings] Gill DL, et al. **J Endocrinol** 79(2):57P-58P, Nov 78

Photoaffinity labeling of the antidiuretic hormone receptor. Goodman DB, et al. **J Membr Biol** 40 Spec No:323-9, 1978

The mitochondria-rich cell of frog skin as hormone-sensitive 'shunt-path'. Voûte CL, et al. **J Membr Biol** 40 Spec No:151-65, 1978

Prolactin receptor on dissociated mammary epithelial cells at different stages of development. Sakai S, et al. **Mol Cell Endocrinol** 12(3):285-98, Dec 78

Influence of bromoergocryptine on estrogen-modulated prolactin receptors of mouse mammary gland. Sheth NA, et al. **Mol Cell Endocrinol** 12(2):167-76, Nov 78

Occupancy of aldosterone binding sites in rat kidney cytosol. Warnock DG, et al. **Mol Cell Endocrinol** 12(2):221-33, Nov 78

Gonadal luteinizing hormone receptors and adenylate cyclase: transfer of functional ovarian luteinizing hormone receptors to adrenal fasciculata cells. Dufau ML, et al. **Proc Natl Acad Sci USA** 75(10):4769-73, Oct 78

Demonstration of an ecdysteroid receptor in a cultured cell line of Drosophila melanogaster. Maroy P, et al. **Proc Natl Acad Sci USA** 75(12):6035-8, Dec 78

Epidermal growth factor: biological activity requires persistent occupation of high-affinity cell surface receptors. Shechter Y, et al. **Proc Natl Acad Sci USA** 75(12):5788-91, Dec 78

Ecdysteroid receptors in imaginal discs of Drosophila melanogaster. Yund MA, et al. **Proc Natl Acad Sci USA** 75(12):6039-43, Dec 78

Thyroid hormones: crystal structure, molecular conformation, binding, and structure-function relationships. Cody V. **Recent Prog Horm Res** 34:437-75, 1978 (80 ref.)

Calcitonin binding sites in bone: relationships to biological response and 'escape'. Tashjian AH Jr, et al. **Recent Prog Horm Res** 34:285-334, 1978 (56 ref.)

Gonadotropin receptors and regulation of steroidogenesis in the testis and ovary. Dufau ML, et al. **Vitam Horm** 36:461-592, 1978 (269 ref.)

[Membrane receptors of vasoactive intestinal peptide (VIP): hormone and neurotransmitter (proceedings)] Robberecht P. **Arch Int Physiol Biochim** 86(4):842-3, Oct 78 **(Fre)**

[Obesity and adipose tissue. 2. Hormonal regulation of adipose tissue metabolism] Kather H, et al. **Fortschr Med** 96(35):1741-5, 21 Sep 78 (Eng. Abstr.) **(Ger)**

[Properties of sex steroid-binding protein from Xenopus laevis blood serum and detection of an estradiol-binding component in frog liver cytosol which differs from sex steroid-binding protein] Smirnova OV, et al. **Biokhimiia** 43(8):1444-51, Aug 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Hormonal control of oocyte meiosis, ovulation and luteinization in mammals. Channing CP, et al. **Clin Endocrinol Metab** 7(3):601-24, Nov 78 (156 ref.)

Molecular events in lymphocyte activation: role of nonhistone chromosomal proteins in regulating gene expression. Decker JM, et al. **Contemp Top Mol Immunol** 7:365-413, 1978 (251 ref.)

Epithelia as hormone and drug receptors. A tribute to H. H. Ussing, on the occasion of his sixty-fifth birthday. **J Membr Biol** 40 Spec No:1-354, 1978

Hormonal regulation of the partition of energy between milk and body tissue in adult cattle. Bines JA, et al. **Proc Nutr Soc** 37(3):281-7, Dec 78 (39 ref.)

RECEPTORS, PROGESTERONE

A functional model of the structure of the epithelium of normal, hyperplastic and malignant human endometrium: a review. Prianishnikov VA. **Gynecol Oncol** 6(5):420-8, Oct 78 (38 ref.)

Hormone receptors: their role in predicting prognosis and response to endocrine therapy. McGuire WL. **Semin Oncol** 5(4):428-33, Dec 78

Breast cancer prognosis and estrogen receptors. Buchanan-Davidson DJ. **Wis Med J** 78(1):16-7, Jan 79

ANALYSIS

The clinical value of hormone receptor assays in malignant disease. Friedman MA, et al. **Cancer Treat Rev** 5(4):185-94, Dec 78 (72 ref.)

BIOSYNTHESIS

Mammary cancer: selective action of the estrogen receptor complex. Ip M, et al. **Science** 203(4378):361-3, 26 Jan 79

DRUG EFFECTS

Mammary cancer: selective action of the estrogen receptor complex. Ip M, et al. **Science** 203(4378):361-3, 26 Jan 79

ISOLATION & PURIFICATION

Progesterone receptor in the rat anterior pituitary. Transformation and nuclear translocation. Spona J, et al. **FEBS Lett** 97(2):269-74, 15 Jan 79

METABOLISM

Interaction of progestins with steroid receptors in human uterus. Kasid A, et al. **Biochem J** 176(2):531-9, 15 Nov 78

Menstrual cyclic changes in a progesterone receptor in normal human endometrium. Ueki M, et al. **Bull Osaka Med Sch** 24(1):16-22, Jul 78

Progesterone receptor in the rat anterior pituitary. Transformation and nuclear translocation. Spona J, et al. **FEBS Lett** 97(2):269-74, 15 Jan 79

Danazol binding to rat androgen, glucocorticoid, progesterone, and estrogen receptors: correlation with biologic activity. Barbieri RL, et al. **Fertil Steril** 31(2):182-6, Feb 79

Receptor properties of progestogen-binding sites in cytosol from benign hyperplastic prostatic tissue [proceedings] Sirett DA, et al. **J Endocrinol** 79(2):53P-54P, Nov 78

Estrogen and progestin binding in cytosols of ovarian adenocarcinomas. Holt JA, et al. **Obstet Gynecol** 53(1):50-8, Jan 79

Biochemical studies on endometrium from postmenopausal women receiving hormone replacement therapy. King RJ, et al. **Postgrad Med J** 54(2):65-8, 1978

Mammary cancer: selective action of the estrogen receptor complex. Ip M, et al. **Science** 203(4378):361-3, 26 Jan 79

PHYSIOLOGY

[Hormone receptors in gynaecology. Towards practical applications? (author's transl)] Lecomte P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(6):1051-64, Sep 78 (Eng. Abstr.) **(Fre)**

[Hormones and breast neoplasms] Paszko Z. **Nowotwory** 28(4):353-70, Dec 78 **(Pol)**

RECEPTORS, PROSTAGLANDIN

Prostaglandins and thromboxanes: pharmacologic and biosynthetic aspects. Hillier K. **Semin Perinatol** 2(3):187-210, Jul 78 (110 ref.)

DRUG EFFECTS

Vascular smooth muscle activity of 7-oxa-13-prostynoic acid. Ozaki N, et al. **Blood Vessels** 16(1):52-7, 1979

Prostacyclin: a potent activator of human colonic adenylate cyclase activity. Simon B, et al. **Z Gastroenterol** 16(12):748-51, Dec 78

ISOLATION & PURIFICATION

Prostaglandin E and F2alpha receptors in bovine corpus luteum plasma membranes are two different macromolecular entities. Rao CV, et al. **Biochem Biophys Res Commun** 85(3):1054-60, 14 Dec 78

METABOLISM

Gonadotropin and prostaglandins binding sites in rough endoplasmic reticulum and Golgi fractions of bovine corpora lutea. Mitra S, et al. **Arch Biochem Biophys** 191(1):331-40, Nov 78

Prostaglandin E and F2alpha receptors in bovine corpus luteum plasma membranes are two different macromolecular entities. Rao CV, et al. **Biochem Biophys Res Commun** 85(3):1054-60, 14 Dec 78

Prostaglandin E and F2alpha receptors in bovine corpora lutea: relative affinities of products of arachidonic acid metabolism by cyclo-oxygenase. Rao CV, et al. **Biochem Biophys Res Commun** 85(1):125-30, 14 Nov 78

Effects of prostaglandins on vesicourethral smooth muscle of rabbit. Therapeutic implications. Khanna OP, et al. **Urology** 12(6):674-81, Dec 78

[Obesity and adipose tissue. 2. Hormonal regulation of adipose tissue metabolism] Kather H, et al. **Fortschr Med** 96(35):1741-5, 21 Sep 78 (Eng. Abstr.) **(Ger)**

RECEPTORS, STEROID

Hormonal analysis and delayed hypersensitivity reactions in identical twins with severe acne. Palatsi R, et al. **Acta Derm Venereol (Stockh)** 59(2):157-60, 1979

Glucocorticoid receptors and glutamine synthetase in

APPENDIX

leukemic Sézary cells. Schmidt TJ, et al. **Cancer Res** 39(2 Pt 1):376–82, Feb 79

New trends in the problem of sex differentiation. Wolff E. **Med Biol** 56(6):403–6, Dec 78

Biochemical characteristics of chronic lymphocytic leukaemia. Glucocorticoid receptors, B and T lymphocyte surface markers, concanavalin A-induced agglutination and thymidine incorporation. Simonsson B, et al. **Scand J Haematol** 21(5):379–89, Nov 78

Effects of prednisolone in 6 cases of glucocorticoid receptor-positive CLL. Simonsson B, et al. **Scand J Haematol** 21(5):390–5, Nov 78

ANALYSIS

The binding of a potent synthetic androgen--methyltrienolone (R 1881)--to cytosol preparations of human prostatic cancer. Walsh PC, et al. **Trans Am Assoc Genitourin Surg** 69:78–80, 1977

[Specific glucocorticoid receptor activity in the lungs and concentration of corticosteroids in the plasma of newborn rabbits during the first hours of life (author's transl)] Bichler A, et al. **Arch Gynecol** 226(4):307–13, 29 Dec 78 (Eng. Abstr.) **(Ger)**

[Technical problems in the demonstration of prostatic hormones] Ranft R. **Z Urol Nephrol** 71(10):689–92, Oct 78 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Competitive inhibition of specific steroid-protein binding: practical use of relative competition ratios for the derivation of equilibrium inhibition constants. Blondeau JP, et al. **Steroids** 32(5):563–75, Dec 78

GENETICS

Hormonal analysis and delayed hypersensitivity reactions in identical twins with severe acne. Palatsi R, et al. **Acta Derm Venereol (Stockh)** 59(2):157–60, 1979

ISOLATION & PURIFICATION

Androgen receptor in the rat brain--assays and properties. Chamness GC, et al. **Brain Res** 161(2):267–76, 2 Feb 79

A comparison of heparin agarose and DNA cellulose for the characterization and partial purification of androgen receptors from rat prostate. Mulder E, et al. **FEBS Lett** 97(2):260–4, 15 Jan 79

Assay of nuclear androgen receptor in human prostate. Lieskovsky G, et al. **J Urol** 121(1):54–8, Jan 79

METABOLISM

Binding of steroids to the cytoplasmic receptor of the embryonic chick retina: kinetics and structural considerations. Piperberg JB. **Arch Biochem Biophys** 191(1):367–74, Nov 78

The influence of aging on androgen dynamics in the male rat. Robinette CL, et al. **Arch Biochem Biophys** 191(2):503–16, Dec 78

Partial characterization of [3H]methyltrienolone binding in rat prostate cytosol. Pousette A, et al. **Biochim Biophys Acta** 582(2):358–67, 18 Jan 79

A comparison of the glucocorticoid receptor in cytosol from rat liver and hippocampus. Wrange O. **Biochim Biophys Acta** 582(2):346–57, 18 Jan 79

Androgen receptor in the rat brain--assays and properties. Chamness GC, et al. **Brain Res** 161(2):267–76, 2 Feb 79

Danazol binding to rat androgen, glucocorticoid, progesterone, and estrogen receptors: correlation with biologic activity. Barbieri RL, et al. **Fertil Steril** 31(2):182–6, Feb 79

Transformation of the glucocorticoid receptor in rat liver cytosol by lysosomal enzymes. Carlstedt-Duke J, et al. **J Biol Chem** 254(5):1537–9, 10 Mar 79

Specific interaction of corticosteroids with binding sites in the plasma membranes of the rat anterior pituitary gland. Koch B, et al. **J Endocrinol** 79(2):215–22, Nov 78

Cell membrane, a target for steroid hormones. Baulieu EE. **Mol Cell Endocrinol** 12(3):247–54, Dec 78 (50 ref.)

Protein factor that inhibits binding and promotes release of androgen-receptor complex from nuclear chromatin. Shyr CI, et al. **Proc Natl Acad Sci USA** 75(12):5969–73, Dec 78

Detection of androgen and estrogen receptors in human prostatic carcinoma and hyperplasia by fluorescence microscopy. Pertschuk LP, et al. **Res Commun Chem Pathol Pharmacol** 22(2):427–30, Nov 78

Competitive inhibition of specific steroid-protein binding: practical use of relative competition ratios for the derivation of equilibrium inhibition constants. Blondeau JP, et al. **Steroids** 32(5):563–75, Dec 78

REVIEW SECTION

ADRENAL CORTEX

EMBRYOLOGY

Aspects of the ultrastructure and function of the human fetal adrenal cortex. Johannisson E. **Contrib Gynecol Obstet** 5:109–30, 1979 (74 ref.)

ADRENAL CORTEX HORMONES

ADVERSE EFFECTS

Steroid addiction. Kligman AM, et al. **Int J Dermatol** 18(1):23–31, Jan–Feb 79 (35 ref.)

[Side effects of topical corticosteroid therapy. II. Systemic side effects] Nitzschner H. **Z Aerztl Fortbild (Jena)** 72(21):1021–4, 1 Nov 78 (169 ref.) **(Ger)**

PHYSIOLOGY

[Adrenocortical control of epidermal cell differentiation demonstrated by combined morphological and biochemical studies of the in ovo and in vitro development of chick embryonic shank skin (author's transl)] Endo H, et al. **Tanpakushitsu Kakusan Koso** 23(13):1290–302, 1978 (24 ref.) **(Jpn)**

THERAPEUTIC USE

Drug treatment of tuberculous meningitis in childhood. A survey of current practices. McKenzie MS, et al. **Clin Pediatr (Phila)** 18(2):75, 78–9, 82–4, Feb 79 (51 ref.)

ADRENAL GLAND NEOPLASMS

PATHOLOGY

Coexistence of bilateral pheochromocytoma and pancreatic islet cell tumor: report of a case and review of the literature. Tateishi R, et al. **Cancer** 42(6):2928–34, Dec 78 (28 ref.)

ADRENAL GLANDS

PATHOLOGY

[Primary hyperaldosteronism due to bilateral adrenal hyperplasia of the adrenals. Study based upon one case and a review of the literature (author's transl)] Herpin D, et al. **Ann Med Interne (Paris)** 129(10):557–64, Oct 78 (50 ref.) (Eng. Abstr.) **(Fre)**

ADRENAL MEDULLA

ULTRASTRUCTURE

The role of cytoskeleton in adreno-medullary secretion. Cooke PH, et al. **Methods Achiev Exp Pathol** 9:137–46, 1979 (20 ref.)

ALDOSTERONE

PHARMACODYNAMICS

Role of RNA in the action of aldosterone on Na+ transport. Rossier BC. **J Membr Biol** 40 Spec No:187–97, 1978 (44 ref.)

PHYSIOLOGY

The renin–angiotensin–aldosterone system. Past, present and future. Vecsei P, et al. **Klin Wochenschr** 56 Suppl 1:5–21, 1978 (231 ref.)

Mineralocorticoids in normal and hypertensive pregnancies. Ehrlich EN. **Semin Perinatol** 2(1):61–71, Jan 78 (61 ref.)

ANDROGENS

ADVERSE EFFECTS

Hormone administration during pregnancy and its effect on the offspring. Browne JC. **Contrib Gynecol Obstet** 5 1979 (31 ref.)

PHYSIOLOGY

Effect of hormones on the human fetal prostate. Zondek LH, et al. **Contrib Gynecol Obstet** 5:145–58, 1979 (34 ref.)

BONE AND BONES

ANALYSIS

Biological calcium phosphates and their role in the physiology of bone and dental tissues I. Composition and solubility of calcium phosphates. Driessens FC, et al. **Calcif Tissue Res** 26(2):127–37, 8 Dec 78 (58 ref.)

ANATOMY & HISTOLOGY

Structure and function of the growth plate. Brighton CT. **Clin Orthop** (136):22–32, Oct 78 (52 ref.)

METABOLISM

Calcitonin binding sites in bone: relationships to biological response and 'escape'. Tashjian AH Jr, et al. **Recent Prog Horm Res** 34:285–334, 1978 (56 ref.)

BRENNER TUMOR

PATHOLOGY

Malignant Brenner tumor of the ovary: case report with a review of the literature. Chiarelli SM, et al. **Tumori** 64(6):597–605, Nov–Dec 78 (29 ref.)

REVIEW SECTION

CALCITONIN

METABOLISM

Calcitonin binding sites in bone: relationships to biological response and 'escape'. Tashjian AH Jr, et al. **Recent Prog Horm Res** 34:285–334, 1978 (56 ref.)

PHYSIOLOGY

Interrelationships between calcium, calcemic hormones and gastrointestinal hormones. Cooper CW, et al. **Recent Prog Horm Res** 34:259–83, 1978 (32 ref.)

CALCIUM

METABOLISM

Role of intracellular calcium in promoting muscle damage: a strategy for controlling the dystrophic condition. Duncan CJ. **Experientia** 34(12):1531–5, 15 Dec 78 (93 ref.)

Vitamin D–dependent intestinal calcium absorption. Zerwekh JE. **Gastroenterology** 76(2):404–11, Feb 79 (79 ref.)

The role of organelles in regulating cytoplasmic calcium in vascular smooth muscle. pp. 21–9. Somlyo AP. **In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.** (45 ref.)

The platelet dense tubular system: its relationship to prostaglandin synthesis and calcium flux. Gerrard JM, et al. **Thromb Haemost** 40(2):224–31, 31 Oct 78 (15 ref.)

Movement of calcium ions and their role in the activation of platelets. Massini P, et al. **Thromb Haemost** 40(2):212–8, 31 Oct 78 (38 ref.)

[Cellular calcium and cell function. Cytochemical, ultrastructural and X-ray microanalytical studies (author's transl)] Schäfer H. **Veroeff Pathol** (109):1–186, 1979 (318 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Lowering of activator calcium concentration in the relaxation of vascular smooth muscle. pp. 37–47. Bohr DF, et al. **In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.** (30 ref.)

Control of the actin–myosin interaction by Ca++ in vascular smooth muscle. pp. 30–6. Murphy RA. **In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.** (35 ref.)

Interrelationships between calcium, calcemic hormones and gastrointestinal hormones. Cooper CW, et al. **Recent Prog Horm Res** 34:259–83, 1978 (32 ref.)

CHOLECALCIFEROLS

POISONING

Nutrition imbalance and angiotoxins as dietary risk factors in coronary heart disease. Kummerow FA. **Am J Clin Nutr** 32(1):58–83, Jan 79 (108 ref.)

CHORIOCARCINOMA

Recent advances in testicular cancer. Javadpour N, et al. **Curr Probl Surg** 15(2):1–64, Feb 78 (125 ref.)

CHROMAFFIN SYSTEM

ULTRASTRUCTURE

The role of cytoskeleton in adreno-medullary secretion. Cooke PH, et al. **Methods Achiev Exp Pathol** 9:137–46, 1979 (20 ref.)

CORPUS LUTEUM

PHYSIOLOGY

Hormonal control of oocyte meiosis, ovulation and luteinization in mammals. Channing CP, et al. **Clin Endocrinol Metab** 7(3):601–24, Nov 78 (156 ref.)

CORTICOTROPIN

PHARMACODYNAMICS

Altering memory by electrical and chemical stimulation of the brain. pp. 151–64. McGaugh JL, et al. **In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978.** (56 ref.)

SECRETION

Neural control of ACTH: a homeostatic reflex. Gann DS, et al. **Recent Prog Horm Res** 34:357–400, 1978 (97 ref.)

CRYPTORCHISM

The undescended testis. Fonkalsrud EW. **Curr Probl Surg** 15(3):1–56, Mar 78 (233 ref.)

DEHYDROEPIANDROSTERONE

BLOOD

Fetal considerations. Metabolic clearance rate of maternal plasma dehydroisoandrosterone sulfate. Worley RJ, et al. **Semin Perinatol** 2(1):15–28, Jan 78 (37 ref.)

DESOXYCORTICOSTERONE

PHYSIOLOGY

Mineralocorticoids in normal and hypertensive pregnancies. Ehrlich EN. **Semin Perinatol** 2(1):61–71, Jan 78 (61 ref.)

DYSGERMINOMA

Recent advances in testicular cancer. Javadpour N, et al. **Curr Probl Surg** 15(2):1–64, Feb 78 (125 ref.)

ENDOCRINE DISEASES

DIAGNOSIS

[Muscle flaccidity as a leading and warning symptom in endocrinopathies] Pongratz D, et al. **Verh Dtsch Ges Inn Med** (84):846–52, 1978 (35 ref.) **(Ger)**

ETIOLOGY

Endocrine abnormalities associated with chronic renal failure. Lim VS, et al. **Med Clin North Am** 62(6):1341–61, Nov 78 (75 ref.)

PHYSIOPATHOLOGY

The syndromes of primary hormone resistance. Verhoeven GF, et al. **Metabolism** 28(3):253–89, Mar 79 (300 ref.)

ENDOCRINE GLANDS

The brain as an endocrine organ. Guillemin R. **Neurosci Res Program Bull** 16 Suppl:1–25, Aug 78 (58 ref.)

REVIEW SECTION

PHYSIOLOGY

Reproductive endocrinology: concepts and perspectives, an overview. Greep RO. **Recent Prog Horm Res** 34:1–23, 1978 (56 ref.)

PHYSIOPATHOLOGY

[Structural foundation for the functional connections of the endocrine apparatus and nervous system of the kidneys] Serov VV, et al. **Arkh Patol** 40(11):3–11, 1978 (76 ref.) (Eng. Abstr.) **(Rus)**

ENDOCRINOLOGY

HISTORY

Reproductive endocrinology: concepts and perspectives, an overview. Greep RO. **Recent Prog Horm Res** 34:1–23, 1978 (56 ref.)

ESTRADIOL

PHARMACODYNAMICS

Metabolic and proliferative responses to estrogen by hepatocytes selected for plasma membrane binding-sites specific for estradiol-17beta. Pietras RJ, et al. **J Cell Physiol** 98(1):145–59, Jan 79 (64 ref.)

ESTROGENS

ADVERSE EFFECTS

Hormone administration during pregnancy and its effect on the offspring. Browne JC. **Contrib Gynecol Obstet** 5 1979 (31 ref.)

PHARMACODYNAMICS

Synthesis of vitellogenin, an attractive model for investigating hormone-induced gene activation. Ryffel GU. **Mol Cell Endocrinol** 12(3):237–46, Dec 78 (58 ref.)

PHYSIOLOGY

Effect of hormones on the human fetal prostate. Zondek LH, et al. **Contrib Gynecol Obstet** 5:145–58, 1979 (34 ref.)

THERAPEUTIC USE

Review of the status of oestrogen replacement therapy. Bye PG. **Postgrad Med J** 54(2):7–10, 1978 (19 ref.)

[Sex hormones and the infection process] Rudzit EA, et al. **Patol Fiziol Eksp Ter** (6):77–83, Nov–Dec 78 (50 ref.) **(Rus)**

GLUCOCORTICOIDS

ADVERSE EFFECTS

Growth and glucocorticoids in children with kidney disease. Travis LB, et al. **Kidney Int** 14(4):365–8, Oct 78 (25 ref.)

PHARMACODYNAMICS

Mechanisms of glucocorticoid inhibition of growth. Baxter JD. **Kidney Int** 14(4):330–3, Oct 78 (30 ref.)

[Glucocorticoid hormones and the regulation of energy metabolism in the brain] Vol'skiĭ GG. **Nerv Sist** 18:39–53, 1978 (66 ref.) **(Rus)**

GONADOTROPINS

METABOLISM

Pituitary and placental gonadotrophins and sex steroids in the human and sub-human primate fetus. Kaplan SL, et al. **Clin Endocrinol Metab** 7(3):487–511, Nov 78 (114 ref.)

Gonadotropin receptors and regulation of steroidogenesis in the testis and ovary. Dufau ML, et al. **Vitam Horm** 36:461–592, 1978 (269 ref.)

GONADOTROPINS, PITUITARY

METABOLISM

Gonadotrophins and steroid hormones in the blood and urine of prepubertal girls and other primates. Winter JS, et al. **Clin Endocrinol Metab** 7(3):513–30, Nov 78 (74 ref.)

Protein polypeptide hormones of the human fetus and placenta. Khan FS, et al. **Contrib Gynecol Obstet** 5:131–44, 1979 (97 ref.)

GONADS

EMBRYOLOGY

The development of fetal hypothalamic-pituitary gonadal adrenal function. Jenkin G, et al. **Contrib Gynecol Obstet** 5:58–90, 1979 (158 ref.)

GRAAFIAN FOLLICLE

GROWTH & DEVELOPMENT

Follicular growth in fetal and prepubertal ovaries of humans and other primates. Peters H, et al. **Clin Endocrinol Metab** 7(3):469–85, Nov 78 (72 ref.)

HERMAPHRODITISM

FAMILIAL & GENETIC

True hermaphroditism: etiology and phenotypic considerations. Simpson JL. **Birth Defects** 14(6C):9–35, 1978 (188 ref.)

HORMONES

The control of the metabolism and the hormonal role of adenosine. Arch JR, et al. **Essays Biochem** 14:82–123, 1978 (198 ref.) (Eng. Abstr.)

METABOLISM

Reproductive hormone function: the perimenopausal period and beyond. Korenman SG, et al. **Clin Endocrinol Metab** 7(3):625–43, Nov 78 (82 ref.)

PHARMACODYNAMICS

Effects of hormones on osteocyte function and perilacunar wall structure. Baud CA, et al. **Clin Orthop** (136):270–81, Oct 78 (81 ref.)

Hormonal regulation of Leydig cell function. Purvis K, et al. **Mol Cell Endocrinol** 12(2):123–38, Nov 78 (65 ref.)

PHYSIOLOGY

The syndromes of primary hormone resistance. Verhoeven GF, et al. **Metabolism** 28(3):253–89, Mar 79 (300 ref.)

Endocrine factors in the modulation of food intake. Bray GA. **Proc Nutr Soc** 37(3):301–9, Dec 78 (53 ref.)

Hormonal regulation of bone formation. Raisz LG, et al. **Recent Prog Horm Res** 34:335–56, 1978 (46 ref.)

Hormonal control of parturition in the sheep and goat. Thorburn GD. **Semin Perinatol** 2(3):235–45, Jul 78 (64 ref.)

Steroid hormone regulation of specific gene expression. Chan L, et al. **Vitam Horm** 36:259–95, 1978 (202 ref.)

Hormonal factors in lipogenesis in mammary gland. Mayer RJ. **Vitam Horm** 36:101–63, 1978 (172 ref.)

Hormonal control of hepatic gluconeogenesis. Pilkis SJ, et al. **Vitam Horm** 36:383–460, 1978 (423 ref.)

The interactions between vitamin B6 and hormones. Rose DP. **Vitam Horm** 36:53–99, 1978 (218 ref.)

REVIEW SECTION

HYPERALDOSTERONISM

ETIOLOGY

[Primary hyperaldosteronism due to bilateral adrenal hyperplasia of the adrenals. Study based upon one case and a review of the literature (author's transl)] Herpin D, et al. **Ann Med Interne (Paris)** 129(10):557–64, Oct 78 (50 ref.) (Eng. Abstr.) **(Fre)**

HYPERCALCEMIA

ETIOLOGY

Hypercalcemia and cancer: an update. Murray TM, et al. **Can Med Assoc J** 119(8):915–20, 21 Oct 78 (65 ref.)

HYPERPARATHYROIDISM

PATHOLOGY

[Ultrastructure of human parathyroid gland cells in normal subjects and in hyperparathyroidism] Dmitrieva NP, et al. **Arkh Anat Gistol Embriol** 75(12):93–9, Dec 78 (70 ref.) **(Rus)**

HYPERPARATHYROIDISM, SECONDARY

THERAPY

Secondary hyperparathyroidism in chronic renal failure. Pathophysiology and treatment. Hanley DA, et al. **Med Clin North Am** 62(6):1319–39, Nov 78 (115 ref.)

HYPERTHYROIDISM

Thyrotoxicosis during pregnancy. Pekonen F, et al. **Ann Chir Gynaecol** 67(5):165–73, 1978 (100 ref.)

HYPOPARATHYROIDISM

DIAGNOSIS

[Tetany and hypoparathyroidism] Wittermann ER. **Med Klin** 74(8):247–56, 23 Feb 79 (37 ref.) **(Ger)**

HYPOTHALAMIC HORMONES

PHYSIOLOGY

Mechanism of action of hypothalamic hormones in the anterior pituitary gland and specific modulation of their activity by sex steroids and thyroid hormones. Labrie F, et al. **Recent Prog Horm Res** 34:25–93, 1978 (175 ref.)

HYPOTHALAMO-HYPOPHYSEAL SYSTEM

EMBRYOLOGY

The development of fetal hypothalamic-pituitary gonadal adrenal function. Jenkin G, et al. **Contrib Gynecol Obstet** 5:58–90, 1979 (158 ref.)

PHYSIOLOGY

The neurosecretory neurone: a model system for the study of secretion. Pickering BT. **Essays Biochem** 14:45–81, 1978 (143 ref.)

PHYSIOPATHOLOGY

Psychoendocrinology. de la Fuente JR, et al. **Mayo Clin Proc** 54(2):109–18, Feb 79 (95 ref.)

LEYDIG CELLS

PHYSIOLOGY

Hormonal regulation of Leydig cell function. Purvis K, et al. **Mol Cell Endocrinol** 12(2):123–38, Nov 78 (65 ref.)

NEOPLASTIC ENDOCRINE-LIKE SYNDROMES

PATHOLOGY

Coexistence of bilateral pheochromocytoma and pancreatic islet cell tumor: report of a case and review of the literature. Tateishi R, et al. **Cancer** 42(6):2928–34, Dec 78 (28 ref.)

OVARIAN NEOPLASMS

ANALYSIS

The clinical value of hormone receptor assays in malignant disease. Friedman MA, et al. **Cancer Treat Rev** 5(4):185–94, Dec 78 (72 ref.)

PATHOLOGY

Malignant Brenner tumor of the ovary: case report with a review of the literature. Chiarelli SM, et al. **Tumori** 64(6):597–605, Nov-Dec 78 (29 ref.)

OVARY

EMBRYOLOGY

Fetal gonadal endocrine activity and reproductive tract differentiation. Bloch E. **Contrib Gynecol Obstet** 5:21–37, 1979 (76 ref.)

METABOLISM

Gonadotropin receptors and regulation of steroidogenesis in the testis and ovary. Dufau ML, et al. **Vitam Horm** 36:461–592, 1978 (269 ref.)

OVULATION

Hormonal control of oocyte meiosis, ovulation and luteinization in mammals. Channing CP, et al. **Clin Endocrinol Metab** 7(3):601–24, Nov 78 (156 ref.)

PARATHYROID GLANDS

ULTRASTRUCTURE

[Ultrastructure of human parathyroid gland cells in normal subjects and in hyperparathyroidism] Dmitrieva NP, et al. **Arkh Anat Gistol Embriol** 75(12):93–9, Dec 78 (70 ref.) **(Rus)**

PARATHYROID NEOPLASMS

ULTRASTRUCTURE

[Ultrastructure of human parathyroid gland cells in normal subjects and in hyperparathyroidism] Dmitrieva NP, et al. **Arkh Anat Gistol Embriol** 75(12):93–9, Dec 78 (70 ref.) **(Rus)**

REVIEW SECTION

PHEOCHROMOCYTOMA

PATHOLOGY

Coexistence of bilateral pheochromocytoma and pancreatic islet cell tumor: report of a case and review of the literature. Tateishi R, et al. **Cancer** 42(6):2928–34, Dec 78 (28 ref.)

PINEAL BODY

PHYSIOLOGY

The pineal, a tranquillizing organ? Romijn HJ. **Life Sci** 23(23):2257–73, 4 Dec 78 (113 ref.)

[Principles of chronobiology and prospects of their use in problems of nutrition] Violante A, et al. **Recenti Prog Med** 65(5):449–68, Nov 78 (51 ref.) (Eng. Abstr.) **(Ita)**

PITUITARY–ADRENAL SYSTEM

EMBRYOLOGY

The development of fetal hypothalamic–pituitary gonadal adrenal function. Jenkin G, et al. **Contrib Gynecol Obstet** 5:58–90, 1979 (158 ref.)

PHYSIOPATHOLOGY

Psychoendocrinology. de la Fuente JR, et al. **Mayo Clin Proc** 54(2):109–18, Feb 79 (95 ref.)

PITUITARY GLAND

SURGERY

[Changes in the hypothalamo–hyophyseal neurosceretory system of mammals following pituitary stalk transection and hypophysectomy] Ugriumov MV. **Arkh Anat Gistol Embriol** 75(12):73–84, Dec 78 (81 ref.) (Eng. Abstr.) **(Rus)**

PITUITARY GLAND, ANTERIOR

PHYSIOLOGY

Mechanism of action of hypothalamic hormones in the anterior pituitary gland and specific modulation of their activity by sex steroids and thyroid hormones. Labrie F, et al. **Recent Prog Horm Res** 34:25–93, 1978 (175 ref.)

PITUITARY HORMONES

METABOLISM

Protein polypeptide hormones of the human fetus and placenta. Khan FS, et al. **Contrib Gynecol Obstet** 5:131–44, 1979 (97 ref.)

PHYSIOLOGY

Fetal hormones and fetal growth. Jost A. **Contrib Gynecol Obstet** 5:1–20, 1979 (91 ref.)

PITUITARY HORMONES, POSTERIOR

PHARMACODYNAMICS

Modulation of memory processes by neuropeptides of hypothalamic–neurohypophyseal origin. pp. 139–49. de Wied D, et al. **In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978.** (56 ref.)

PLACENTA

METABOLISM

Protein polypeptide hormones of the human fetus and placenta. Khan FS, et al. **Contrib Gynecol Obstet** 5:131–44, 1979 (97 ref.)

PROGESTATIONAL HORMONES

ADVERSE EFFECTS

Hormone administration during pregnancy and its effect on the offspring. Browne JC. **Contrib Gynecol Obstet** 5 1979 (31 ref.)

PROGESTATIONAL HORMONES, SYNTHETIC

PHARMACODYNAMICS

The physiological action of progesterone and the pharmacological effects of progestogens—a short review. Neumann F. **Postgrad Med J** 54(2):11–24, 1978 (28 ref.)

PROGESTERONE

PHARMACODYNAMICS

The hormonal induction of maturation in amphibian oocytes. Brachet J, et al. **Med Biol** 56(6):304–9, Dec 78 (56 ref.)

PHYSIOLOGY

The physiological action of progesterone and the pharmacological effects of progestogens—a short review. Neumann F. **Postgrad Med J** 54(2):11–24, 1978 (28 ref.)

PROLACTIN

PHYSIOLOGY

[Human prolactin (author's transl)] von Werder K, et al. **Klin Wochenschr** 57(1):1–12, 1 Jan 79 (143 ref.) (Eng. Abstr.) **(Ger)**

PSEUDOHERMAPHRODITISM

The nosology of male pseudohermaphroditism due to androgen insensitivity. Pinsky L. **Birth Defects** 14(6C):73–95, 1978 (88 ref.)

PUBERTY

Gonadotrophins and steroid hormones in the blood and urine of prepubertal girls and other primates. Winter JS, et al. **Clin Endocrinol Metab** 7(3):513–30, Nov 78 (74 ref.)

RELAXIN

Relaxin. Schwabe C, et al. **Recent Prog Horm Res** 34:123–211, 1978 (188 ref.)

RENAL OSTEODYSTROPHY

PHYSIOPATHOLOGY

Childhood renal osteodystrophy. Avioli LV. **Kidney Int** 14(4):355–60, Oct 78 (45 ref.)

REVIEW SECTION

THERAPY

Current status of the management of renal osteodystrophy. Fournier A, et al. **Proc Eur Dial Transplant Assoc** 15:547–68, 1978 (50 ref.)

RENIN

PHYSIOLOGY

The renin–angiotensin–aldosterone system. Past, present and future. Vecsei P, et al. **Klin Wochenschr** 56 Suppl 1:5–21, 1978 (231 ref.)

SEX CHROMOSOMES

X–autosome translocations: a review. Summitt RL, et al. **Birth Defects** 14(6C):219–47, 1978 (60 ref.)

IMMUNOLOGY

Cross reactivity between hepatitis B surface antigen and a male–associated antigen. Drew JS, et al. **Birth Defects** 14(6A):91–101, 1978 (43 ref.)

SEX DETERMINATION

Observations on the determination of fetal sex in early pregnancy. Zondek LH, et al. **Contrib Gynecol Obstet** 5:91–108, 1979 (70 ref.)

SEX DIFFERENTIATION DISORDERS

FAMILIAL & GENETIC

H–Y antigen and abnormal sex differentiation. Wachtel SS, et al. **Birth Defects** 14(6C):1–7, 1978 (19 ref.)

SEX HORMONES

ADVERSE EFFECTS

[Possible carcinogenic action of sex hormones in the perinatal period of ontogeny] Ird EA, et al. **Akush Ginekol (Mosk)** (12):4–7, Dec 78 (28 ref.) **(Rus)**

IMMUNOLOGY

Biological effects of antibodies to gonadal steroids. Nieschlag E, et al. **Vitam Horm** 36:165–202, 1978 (98 ref.)

METABOLISM

Pituitary and placental gonadotrophins and sex steroids in the human and sub–human primate fetus. Kaplan SL, et al. **Clin Endocrinol Metab** 7(3):487–511, Nov 78 (114 ref.)

Gonadotrophins and steroid hormones in the blood and urine of prepubertal girls and other primates. Winter JS, et al. **Clin Endocrinol Metab** 7(3):513–30, Nov 78 (74 ref.)

PHYSIOLOGY

Fetal gonadal endocrine activity and reproductive tract differentiation. Bloch E. **Contrib Gynecol Obstet** 5:21–37, 1979 (76 ref.)

Mechanism of action of hypothalamic hormones in the anterior pituitary gland and specific modulation of their activity by sex steroids and thyroid hormones. Labrie F, et al. **Recent Prog Horm Res** 34:25–93, 1978 (175 ref.)

SOMATOMEDIN

PHYSIOLOGY

Somatomedin and growth retardation in children with chronic renal insufficiency. Lewy JE, et al. **Kidney Int** 14(4):361–4, Oct 78 (29 ref.)

SOMATOTROPIN

BLOOD

Studies on the bioassayable growth hormone–like activity of plasma. Ellis S, et al. **Recent Prog Horm Res** 34:213–38, 1978 (33 ref.)

PHYSIOLOGY

Insulin and growth hormone: regulators of growth with particular reference to muscle. Cheek DB, et al. **Kidney Int** 14(4):317–22, Oct 78 (41 ref.)

STEROIDS

BIOSYNTHESIS

Gonadotropin receptors and regulation of steroidogenesis in the testis and ovary. Dufau ML, et al. **Vitam Horm** 36:461–592, 1978 (269 ref.)

BLOOD

Concentrations of circulating steroids in normal prepubertal and adult male and female humans, chimpanzees, rhesus monkeys, rats, mice, and hamsters: a literature survey. Overpeck JG, et al. **J Toxicol Environ Health** 4(5–6):785–803, Sep–Nov 78 (162 ref.)

IMMUNOLOGY

Biological effects of antibodies to gonadal steroids. Nieschlag E, et al. **Vitam Horm** 36:165–202, 1978 (98 ref.)

PHARMACODYNAMICS

Cell membrane, a target for steroid hormones. Baulieu EE. **Mol Cell Endocrinol** 12(3):247–54, Dec 78 (50 ref.)

PHYSIOLOGY

Steroid hormone regulation of specific gene expression. Chan L, et al. **Vitam Horm** 36:259–95, 1978 (202 ref.)

TESTICULAR NEOPLASMS

Recent advances in testicular cancer. Javadpour N, et al. **Curr Probl Surg** 15(2):1–64, Feb 78 (125 ref.)

CLASSIFICATION

Recent advances in testicular cancer. Javadpour N, et al. **Curr Probl Surg** 15(2):1–64, Feb 78 (125 ref.)

ULTRASTRUCTURE

Primary carcinoid tumor of the testis: case report, ultrastructure and review of the literature. Talerman A, et al. **Cancer** 42(6):2696–706, Dec 78 (24 ref.)

TESTIS

EMBRYOLOGY

Fetal gonadal endocrine activity and reproductive tract differentiation. Bloch E. **Contrib Gynecol Obstet** 5:21–37, 1979 (76 ref.)

METABOLISM

Gonadotropin receptors and regulation of steroidogenesis in the testis and ovary. Dufau ML, et al. **Vitam Horm** 36:461–592, 1978 (269 ref.)

PATHOLOGY

Pathological aspects of the infertile testis. Wong TW, et al. **Urol Clin North Am** 5(3):503–30, Oct 78 (58 ref.)

REVIEW SECTION

TETANY

DIAGNOSIS

[Tetany and hypoparathyroidism] Wittermann ER. **Med Klin** 74(8):247–56, 23 Feb 79 (37 ref.) **(Ger)**

THYROID DISEASES

IMMUNOLOGY

[Autoimmunization symptoms in thyroid diseases] Węgier A, et al. **Pol Tyg Lek** 33(52):2011–3, 25 Dec 78 (30 ref.) **(Pol)**

THYROID GLAND

IMMUNOLOGY

[Autoimmunization symptoms in thyroid diseases] Węgier A, et al. **Pol Tyg Lek** 33(52):2011–3, 25 Dec 78 (30 ref.) **(Pol)**

PHYSIOPATHOLOGY

Psychoendocrinology. de la Fuente JR, et al. **Mayo Clin Proc** 54(2):109–18, Feb 79 (95 ref.)

THYROID HORMONES

METABOLISM

Protein polypeptide hormones of the human fetus and placenta. Khan FS, et al. **Contrib Gynecol Obstet** 5:131–44, 1979 (97 ref.)

Pathways of metabolism of thyroid hormones. Chopra IJ, et al. **Recent Prog Horm Res** 34:521–67, 1978 (132 ref.)

Thyroid hormones: crystal structure, molecular conformation, binding, and structure–function relationships. Cody V. **Recent Prog Horm Res** 34:437–75, 1978 (80 ref.)

PHYSIOLOGY

Fetal hormones and fetal growth. Jost A. **Contrib Gynecol Obstet** 5:1–20, 1979 (91 ref.)

Thyroid hormone action at the cell level (second of two parts). Sterling K. **N Engl J Med** 300(4):173–7, 25 Jan 79 (77 ref.)

Mechanism of action of hypothalamic hormones in the anterior pituitary gland and specific modulation of their activity by sex steroids and thyroid hormones. Labrie F, et al. **Recent Prog Horm Res** 34:25–93, 1978 (175 ref.)

THYROID NEOPLASMS

ETIOLOGY

Irradiation related thyroid cancer. History and current recommendations. Stockwell RM. **Conn Med** 43(2):63–7, Feb 79 (17 ref.)

ULTRASTRUCTURE

Renal metastases from well differentiated follicular thyroid carcinoma: a case report with light and electron microscopic findings. Davis RI, et al. **Cancer** 43(1):265–8, Jan 79 (21 ref.)

THYROXINE BINDING PROTEIN

BIOSYNTHESIS

Thyroxine transport proteins of plasma. Molecular properties and biosynthesis. Robbins J, et al. **Recent Prog Horm Res** 34:477–519, 1978 (97 ref.)

VASOPRESSINS

PHARMACODYNAMICS

Vasopressin-like effects of psychotropic drugs in amphibian epithelia. Grosso A, et al. **J Membr Biol** 40 Spec No:305–21, 1978 (54 ref.)

PHYSIOLOGY

Role of prostaglandin E (PGE) in the modulation of the action of vasopressin on water flow in the urinary bladder of the toad and mammalian kidney. Orloff J, et al. **J Membr Biol** 40 Spec No:297–304, 1978 (25 ref.)

VITAMIN D

PHYSIOLOGY

Vitamin D-dependent intestinal calcium absorption. Zerwekh JE. **Gastroenterology** 76(2):404–11, Feb 79 (79 ref.)

METHOD SECTION

AUTOANALYSIS

Discrete modular system for automation of radioimmunoassay of serum choriomammotropin. Hammond GL, et al. **Clin Chem** 25(1):129–31, Jan 79
ALCOHOL, ETHYL/ AUTOANALYSIS/ FEMALE/ HUMAN/ *PLACENTAL LACTOGEN, blood/ POLYETHYLENE GLYCOLS/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ RADIOIMMUNOASSAY, methods

Combined batchwise and continuous flow mechanization of solid-phase radioimmunoassays. Schweer HH, et al. **J Clin Chem Clin Biochem** 16(11):625–9, Nov 78
AUTOANALYSIS/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ *PLACENTAL LACTOGEN, blood/ POLYVINYL CHLORIDE/ PREGNANCY TRIMESTER, FIRST/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ RADIOIMMUNOASSAY, methods

BIOLOGICAL ASSAY

Studies on the bioassayable growth hormone-like activity of plasma. Ellis S, et al. **Recent Prog Horm Res** 34:213–38, 1978 (33 ref.)
ANIMAL/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY, GEL/ HUMAN/ METHODS/ PLASMAPHERESIS/ RADIOIMMUNOASSAY/ RATS/ REVIEW/ *SOMATOTROPIN, blood/ SOMATOTROPIN, isolation & purification/ TIBIA

METHODS

Cytochemical bioassay of parathyroid hormone [proceedings] Chambers DJ, et al. **J Endocrinol** 79(2):34P–35P, Nov 78
BIOLOGICAL ASSAY, methods/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ GUINEA PIGS/ HUMAN/ KIDNEY, enzymology/ *PARATHYROID HORMONE, blood

CHEMISTRY

A spectropolarimetric assay of (-)-adrenaline in compendial formulations. Davidson AG. **J Pharm Pharmacol** 31(2):77–82, Feb 79
AEROSOLS, analysis/ ATROPINE, analysis/ CHEMISTRY/ DRUG COMBINATIONS/ *EPINEPHRINE, analysis/ HYDROGEN-ION CONCENTRATION/ METHODS/ OPHTHALMIC SOLUTIONS, analysis/ OPTICAL ROTATION/ POLAROGRAPHY/ SPECTROMETRY, FLUORESCENCE/ SPECTROPHOTOMETRY, ULTRAVIOLET/ ZINC

CHROMATOGRAPHY, AFFINITY

METHODS

Improved method of purifying some radiolabeled glycopeptide hormones. Patritti-Laborde N, et al. **Clin Chem** 25(1):163–5, Jan 79
CHROMATOGRAPHY, AFFINITY, methods/ CONCANAVALIN A/ FSH, isolation & purification/ *GLYCOPEPTIDES, isolation & purification/ GONADOTROPINS, CHORIONIC, isolation & purification/ *HORMONES, isolation & purification/ ISOTOPE LABELING, methods/ LH, isolation & purification/ THYROTROPIN, isolation & purification

Purification of human renal renin. Slater EE, et al. **Clin Sci Mol Med** 55 Suppl 4:117s–119s, Dec 78
CHROMATOGRAPHY, AFFINITY, methods/ HUMAN/ *KIDNEY, enzymology/ MOLECULAR WEIGHT/ *RENIN, isolation & purification/ UNITED STATES GOV'T SUPPORTED, P.H.S.

CHROMATOGRAPHY, GAS

METHODS

Gas-liquid chromatographic determination of mono- and diiodotyrosines in serum. Davis LG, et al. **Clin Chem** 25(2):218–20, Feb 79
BUTYRATES/ CHROMATOGRAPHY, GAS, methods/ DIIODOTYROSINE, analogs & derivatives/ *DIIODOTYROSINE, blood/ FLUOROCARBONS/ HUMAN/ HYPOTHYROIDISM, blood/ INDICATORS AND REAGENTS/ IODOTYROSINE, analogs & derivatives/ *IODOTYROSINE, blood/ OXAZOLES

Removal of contaminating substances before gas-liquid-chromatographic determination of aldosterone in urine. Graef V, et al. **Clin Chem** 25(1):141–3, Jan 79
*ALDOSTERONE, urine/ CHROMATOGRAPHY, GAS, methods/ GLUCURONIDASE/ HUMAN

CHROMATOGRAPHY, GEL

Immunoassay for serum thyroxine monitored by chemiluminescence. Schroeder HR, et al. **J Immunol Methods** 25(3):275–82, 1979
CHROMATOGRAPHY, GEL/ HUMAN/ IMMUNOASSAY, methods/ *LUMINESCENCE/ THYROXINE, blood/ *THYROXINE, immunology

Studies on the bioassayable growth hormone-like activity of plasma. Ellis S, et al. **Recent Prog Horm Res** 34:213–38, 1978 (33 ref.)
ANIMAL/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY, GEL/ HUMAN/ METHODS/ PLASMAPHERESIS/ RADIOIMMUNOASSAY/ RATS/ REVIEW/ *SOMATOTROPIN, blood/ SOMATOTROPIN, isolation & purification/ TIBIA

CHROMATOGRAPHY, HIGH SPEED LIQUID

Analysis of cysteinyldopas, dopa, dopamine, noradrenaline and adrenaline in serum and urine using high-performance liquid chromatography and electrochemical detection. Hansson C, et al. **J Chromatogr** 162(1):7–22, 1 Jan 79
ADSORPTION/ ALUMINUM OXIDE/

*CATECHOLAMINES, analysis/ CHROMATOGRAPHY, HIGH SPEED LIQUID/ CYSTEINYLDOPA, analysis/ DOPA, analysis/ DOPAMINE, analysis/ ELECTROCHEMISTRY/ EPINEPHRINE, analysis/ HUMAN/ HYDROGEN-ION CONCENTRATION/ INDICATORS AND REAGENTS/ METHODS/ NOREPINEPHRINE, analysis/ OSMOLAR CONCENTRATION

METHODS

Quantitative analysis of catecholamines in skin and serum. Hansson C, et al. **Acta Derm Venereol (Stockh)** 59(2):175–6, 1979
ANIMAL/ *CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ *EPINEPHRINE, analysis/ EPINEPHRINE, blood/ HUMAN/ *NOREPINEPHRINE, analysis/ NOREPINEPHRINE, blood/ RATS/ *SKIN, analysis

Determination of serum cortisol and 11-deoxycortisol by liquid chromatography. Reardon GE, et al. **Clin Chem** 25(1):122–6, Jan 79
CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ COMPARATIVE STUDY/ *CORTODOXONE, blood/ HUMAN/ *HYDROCORTISONE, blood/ HYPOPITUITARISM, blood/ METYRAPONE, diagnostic use/ RADIOIMMUNOASSAY, methods/ *17-HYDROXYCORTICOSTEROIDS, blood

Determination of adrenaline by ion-pair high-performance liquid chromatography. Wermeille M, et al. **J Chromatogr** 160(1):297–300, 11 Oct 78
CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ CHROMATOGRAPHY, ION EXCHANGE/ *EPINEPHRINE, analysis/ TIME FACTORS

High-pressure liquid chromatography of polypeptide hormones [proceedings] Nice EC, et al. **J Endocrinol** 79(2):47P–48P, Nov 78
CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ *HORMONES, isolation & purification/ *PEPTIDES, isolation & purification

Brain tissue and plasma assay of L-DOPA and alpha-methyldopa metabolites by high performance liquid chromatography with electrochemical detection. Freed CR, et al. **J Neurochem** 32(1):163–8, Jan 79
ANIMAL/ CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ DOPA, blood/ *DOPA, metabolism/ HUMAN/ *HYPOTHALAMUS, metabolism/ MALE/ METHYLDOPA, blood/ *METHYLDOPA, metabolism/ PARKINSON DISEASE, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

CHROMATOGRAPHY, ION EXCHANGE

Rapid fluorometry of estrogens in nonpregnancy urine, with use of chloroform extraction and purification by anion-exchange chromatography. Goutte-Coussieu C, et al. **Clin Chem** 25(2):230–4, Feb 79
CHLOROFORM/ CHROMATOGRAPHY, ION EXCHANGE/ ESTROGENIC SUBSTANCES, CONJUGATED, urine/ ESTROGENS, isolation & purification/ *ESTROGENS, urine/ FEMALE/ FLUOROMETRY/ HUMAN/ HYDROLYSIS/ METHODS

Determination of adrenaline by ion-pair high-performance liquid chromatography. Wermeille M, et al. **J Chromatogr** 160(1):297–300, 11 Oct 78
CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ CHROMATOGRAPHY, ION EXCHANGE/ *EPINEPHRINE, analysis/ TIME FACTORS

CHROMATOGRAPHY, LIQUID

In vivo voltammetry: monitoring of dopamine metabolites in CSF following release by electrical stimulation. Wightman RM, et al. **Brain Res** 159(1):55–68, 22 Dec 78
ANIMAL/ CHROMATOGRAPHY, LIQUID/ CONDUCTOMETRY, methods/ *CORPUS STRIATUM, physiology/ *DOPAMINE, cerebrospinal fluid/ *ELECTRIC STIMULATION, methods/ *ELECTROCHEMISTRY, instrumentation/ ELECTRODES/ HOMOVANILLIC ACID, cerebrospinal fluid/ HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ MALE/ NEURAL PATHWAYS, physiology/ NOREPINEPHRINE, cerebrospinal fluid/ RATS/ *SUBSTANTIA NIGRA, physiology/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VANILMANDELIC ACID, cerebrospinal fluid/ 3,4-DIHYDROXYPHENYLACETIC ACID, cerebrospinal fluid

CHROMATOGRAPHY, THIN LAYER

Routine laboratory investigation of urinary catecholamine metabolites in sick children. Niehaus CE, et al. **Ann Clin Biochem** 16(1):38–43, Jan 79
CATECHOLAMINES, secretion/ *CATECHOLAMINES, urine/ CHILD/ CHROMATOGRAPHY, THIN LAYER/ HUMAN/ METHODS/ NEOPLASMS, secretion/ NEOPLASMS, urine/ VANILMANDELIC ACID, urine

COMPARATIVE STUDY

Improved radioimmunoassay of urinary estriol. Jawad MJ, et al. **Clin Chem** 25(1):99–102, Jan 79
COMPARATIVE STUDY/ CROSS REACTIONS/ *ESTRIOL, urine/ FEMALE/ HUMAN/ MALE/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ RADIOIMMUNOASSAY, methods

Determination of serum cortisol and 11-deoxycortisol by liquid chromatography. Reardon GE, et al. **Clin Chem** 25(1):122–6, Jan 79
CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ COMPARATIVE STUDY/ *CORTODOXONE, blood/ HUMAN/ *HYDROCORTISONE, blood/ HYPOPITUITARISM, blood/ METYRAPONE, diagnostic use/ RADIOIMMUNOASSAY, methods/ *17-HYDROXYCORTICOSTEROIDS, blood

Spironolactone-associated digoxin radioimmunoassay interference. Silber B, et al. **Clin Chem** 25(1):48–50, Jan 79
COMPARATIVE STUDY/ *DIGOXIN, blood/ HUMAN/ IODINE RADIOISOTOPES/ MALE/ RADIOIMMUNOASSAY, methods/ *SPIRONOLACTONE, blood/ TRITIUM/ UNITED STATES GOV'T SUPPORTED, P.H.S.

Evaluation of a commercial enzyme immunoassay for insulin in human serum, and its clinical application. Yoshioka M, et al. **Clin Chem** 25(1):35–8, Jan 79
C-PEPTIDE, blood/ COMPARATIVE STUDY/ EVALUATION STUDIES/ HEMOGLOBINS/ HUMAN/ IMMUNOENZYME TECHNICS/ *INSULIN, blood/ PROINSULIN, blood/ RADIOIMMUNOASSAY, methods/ REAGENT KITS, DIAGNOSTIC

Evaluation of a competitive binding assay for cortisol using horse transcortin. Stahl F, et al. **Endokrinologie** 72(2):214–22, May 78
AMNIOTIC FLUID, analysis/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ DIETHYLSTILBESTROL, therapeutic use/ ENDOCRINE DISEASES, metabolism/ FEMALE/ FETAL BLOOD, analysis/ HORSES/ HUMAN/ *HYDROCORTISONE, analysis/ HYDROCORTISONE, blood/ HYDROCORTISONE, urine/ INFANT, NEWBORN/ MALE/ NORMAL VALUES/ PREGNANCY/ PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, metabolism/ RADIOIMMUNOASSAY, methods/ *TRANSCORTIN

Development and validation of a 'direct' radioimmunoassay for plasma testosterone in the fowl (Gallus domesticus). Driot FJ, et al. **Gen Comp Endocrinol** 36(2):244–9, Oct 78
ANIMAL/ CHICKENS/ COMPARATIVE STUDY/ CROSS REACTIONS/ MALE/ RADIOIMMUNOASSAY, methods/ *TESTOSTERONE, blood

A simple technique for determining the sex of fish by radioimmunoassay using 11-ketotestosterone antiserum. Sangalang GB, et al. **Gen Comp Endocrinol** 36(2):187-93, Oct 78
AGING/ ANIMAL/ COMPARATIVE STUDY/ FEMALE/ FISHES/ MALE/ RADIOIMMUNOASSAY, methods/ *SEX DETERMINATION/ SPECIES SPECIFICITY/ *TESTOSTERONE, analogs & derivatives/ TESTOSTERONE, blood/ TROUT

Time saving protein binding assay for the simultaneous determination of guanosine 3':5'-monophosphate (cGMP) and adenosine 3':5'-monophosphate (cAMP) in human urine. Kleine TO, et al. **J Clin Chem Clin Biochem** 16(12):657-61, Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ BUFFERS/ CATTLE/ COMPARATIVE STUDY/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ HUMAN/ LOBSTERS/ METHODS/ MUSCLE PROTEINS/ PHOSPHODIESTERASE INHIBITORS/ PROTEIN BINDING

Combined batchwise and continuous flow mechanization of solid-phase radioimmunoassays. Schweer HH, et al. **J Clin Chem Clin Biochem** 16(11):625-9, Nov 78
AUTOANALYSIS/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ *PLACENTAL LACTOGEN, blood/ POLYVINYL CHLORIDE/ PREGNANCY TRIMESTER, FIRST/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ RADIOIMMUNOASSAY, methods

Increased levels of a nerve-growth-factor cross-reacting protein in 'central' neurofibromatosis. Fabricant RN, et al. **Lancet** 1(8106):4-7, 6 Jan 79
ADOLESCENCE/ ADULT/ ANTIGENS, immunology/ BINDING, COMPETITIVE/ CELL DIVISION/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ MALE/ *NERVE GROWTH FACTOR, blood/ *NEUROFIBROMATOSIS, blood/ NEUROFIBROMATOSIS, familial & genetic/ NEUROFIBROMATOSIS, immunology/ *NEUROMA, ACOUSTIC, blood/ NEUROMA, ACOUSTIC, familial & genetic/ NEUROMA, ACOUSTIC, immunology/ PERIPHERAL NERVE NEOPLASMS, blood/ RADIOIMMUNOASSAY, methods/ THROMBOSIS, enzymology

A charcoal--agar disc to adsorb free steroid in radioimmunoassay. Boarer CD, et al. **Med Lab Sci** 35(4):379-86, Oct 78
ADSORPTION/ *AGAR/ ANIMAL/ CATTLE/ *CHARCOAL/ COMPARATIVE STUDY/ PROGESTERONE, blood/ PROGESTERONE, isolation & purification/ *RADIOIMMUNOASSAY, methods/ SHEEP/ *STEROIDS, isolation & purification

CONDUCTOMETRY

METHODS

In vivo voltammetry: monitoring of dopamine metabolites in CSF following release by electrical stimulation. Wightman RM, et al. **Brain Res** 159(1):55-68, 22 Dec 78
ANIMAL/ CHROMATOGRAPHY, LIQUID/ CONDUCTOMETRY, methods/ *CORPUS STRIATUM, physiology/ *DOPAMINE, cerebrospinal fluid/ *ELECTRIC STIMULATION, methods/ *ELECTROCHEMISTRY, instrumentation/ ELECTRODES/ HOMOVANILLIC ACID, cerebrospinal fluid/ HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ MALE/ NEURAL PATHWAYS, physiology/ NOREPINEPHRINE, cerebrospinal fluid/ RATS/ *SUBSTANTIA NIGRA, physiology/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VANILMANDELIC ACID, cerebrospinal fluid/ 3,4-DIHYDROXYPHENYLACETIC ACID, cerebrospinal fluid

DENSITOMETRY

METHODS

Combined cortical thickness and bone density determination by photon absorptiometry. Kraner HW, et al. **Phys Med Biol** 23(6):1101-14, Nov 78
ANIMAL/ *BONE AND BONES/ *BONE DISEASES, diagnosis/ BONE DISEASES, etiology/ CALCIUM, deficiency/ CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ *DENSITOMETRY, methods/ FEMALE/ *MINERALS/ RATS/ *SPECTRUM ANALYSIS, methods/ UNITED STATES GOV'T SUPPORTED, P.H.S.

[Densitometric studies by means of the photon absorption technic in renal osteopathy] Samizadeh A, et al. **Verh Dtsch Ges Inn Med** (84):1113-5, 1978 **(Ger)**
*DENSITOMETRY, methods/ HUMAN/ KIDNEY FAILURE, CHRONIC, complications/ *RADIUS, pathology/ RENAL OSTEODYSTROPHY, etiology/ *RENAL OSTEODYSTROPHY, pathology

DENSITOMETRY, X-RAY

METHODS

Quantitative histology of bone: a computerized method of measuring the total mineral content of bone. Phillips HB, et al. **Calcif Tissue Res** 26(1):85-9, 10 Nov 78
*BONE AND BONES, anatomy & histology/ BONE AND BONES, radiography/ DENSITOMETRY, X-RAY, methods/ HUMAN/ MANDIBLE, anatomy & histology

[Quantitative mineral estimations in vertebral bodies by computer tomography (author's transl)] Banzer D, et al. **ROEFO** 130(1):77-80, Jan 79 **(Ger)**
CALCIUM CHLORIDE, analysis/ *CALCIUM, analysis/ DENSITOMETRY, X-RAY, methods/ HYDROXYAPATITES, analysis/ MODELS, STRUCTURAL/ *SPINE, analysis/ *TOMOGRAPHY, COMPUTERIZED AXIAL

FLUORESCENCE

Simultaneous and consecutive histochemical demonstration of glyoxylic acid-induced fluorescence of catecholamines and cholinesterase reactions. Waris T, et al. **Cell Mol Biol** 23(3):215-24, 1978
ANIMAL/ *CATECHOLAMINES, analysis/ *CHOLINESTERASES, analysis/ FEMALE/ FLUORESCENCE/ GLYOXYLATES/ HISTOCYTOCHEMISTRY/ MALE/ METHODS/ PERIPHERAL NERVES, analysis/ RATS

FLUOROMETRY

Rapid fluorometry of estrogens in nonpregnancy urine, with use of chloroform extraction and purification by anion-exchange chromatography. Goutte-Coussieu C, et al. **Clin Chem** 25(2):230-4, Feb 79
CHLOROFORM/ CHROMATOGRAPHY, ION EXCHANGE/ ESTROGENIC SUBSTANCES, CONJUGATED, urine/ ESTROGENS, isolation & purification/ *ESTROGENS, urine/ FEMALE/ FLUOROMETRY/ HUMAN/ HYDROLYSIS/ METHODS

The fluorometric assay of rat plasma corticosterone: evaluation of nonspecific fluorescence. Butte JC, et al. **Steroids** 32(5):607-14, Dec 78
AGING/ ANIMAL/ *CORTICOSTERONE, blood/ EVALUATION STUDIES/ FLUOROMETRY/ HISTAMINE, diagnostic use/ MALE/ METHODS/ RATS/ STRESS, blood/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

METHODS

Microfluorimetric scanning of sympathetic nerve fibers. An improved method to quantitate formaldehyde induced

fluorescence of biogenic amines. Schipper J, et al. **J Histochem Cytochem** 26(12):1057–66, Dec 78
*ADRENERGIC FIBERS, analysis/ ADRENERGIC FIBERS, drug effects/ ANIMAL/ COMPUTERS/ *FLUOROMETRY, methods/ FORMALDEHYDE/ *IRIS, innervation/ LEVODOPA, pharmacodynamics/ MALE/ *NOREPINEPHRINE, analysis/ RATS/ RESERPINE, pharmacodynamics

[Histofluorometric study of catecholamines of the external layer of median eminence in the rabbit (author's transl)] Bensch C, et al. **Ann Endocrinol (Paris)** 39(4):281–302, Jul–Aug 78 (Eng. Abstr.) **(Fre)**
ANIMAL/ COPULATION, physiology/ *DOPAMINE, analysis/ ENGLISH ABSTRACT/ FEMALE/ FLUOROMETRY, methods/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, analysis/ *MEDIAN EMINENCE, analysis/ MEDIAN EMINENCE, physiology/ *OVARY, physiology/ OVULATION/ PREGNANCY/ RABBITS

HISTOCYTOCHEMISTRY

Simultaneous and consecutive histochemical demonstration of glyoxylic acid-induced fluorescence of catecholamines and cholinesterase reactions. Waris T, et al. **Cell Mol Biol** 23(3):215–24, 1978
ANIMAL/ *CATECHOLAMINES, analysis/ *CHOLINESTERASES, analysis/ FEMALE/ FLUORESCENCE/ GLYOXYLATES/ HISTOCYTOCHEMISTRY/ MALE/ METHODS/ PERIPHERAL NERVES, analysis/ RATS

METHODS

[The catecholaminergic connections of the visual system of the albino rat (author's transl)] Lüth HJ, et al. **Acta Histochem (Jena)** 63(1):114–26, 1978 (Eng. Abstr.) **(Ger)**
ANIMAL/ *AXONS, analysis/ *CATECHOLAMINES, analysis/ ENGLISH ABSTRACT/ FEMALE/ *GENICULATE BODIES, anatomy & histology/ HISTOCYTOCHEMISTRY, methods/ MALE/ *NERVE ENDINGS, analysis/ RATS/ *VISUAL CORTEX, anatomy & histology

IMMUNOASSAY

METHODS

Immunoassay for serum thyroxine monitored by chemiluminescence. Schroeder HR, et al. **J Immunol Methods** 25(3):275–82, 1979
CHROMATOGRAPHY, GEL/ HUMAN/ IMMUNOASSAY, methods/ *LUMINESCENCE/ THYROXINE, blood/ *THYROXINE, immunology

MASS FRAGMENTOGRAPHY

METHODS

Simultaneous determination of endogenous norepinephrine and dopamine-beta-hydroxylase activity in biological materials by chemical ionization mass fragmentography. Hashimoto Y, et al. **J Chromatogr** 168(1):59–68, 11 Jan 79
ADRENAL GLANDS, analysis/ ANIMAL/ BIOGENIC AMINES, analysis/ DOPAMINE BETA-HYDROXYLASE, blood/ *DOPAMINE BETA-HYDROXYLASE, metabolism/ HUMAN/ MALE/ MASS FRAGMENTOGRAPHY, methods/ METHODS/ *NOREPINEPHRINE, analysis/ NOREPINEPHRINE, blood/ RATS

POLAROGRAPHY

A spectropolarimetric assay of (-)-adrenaline in compendial formulations. Davidson AG. **J Pharm Pharmacol** 31(2):77–82, Feb 79
AEROSOLS, analysis/ ATROPINE, analysis/ CHEMISTRY/ DRUG COMBINATIONS/ *EPINEPHRINE, analysis/ HYDROGEN-ION CONCENTRATION/ METHODS/ OPHTHALMIC SOLUTIONS, analysis/ OPTICAL ROTATION/ POLAROGRAPHY/ SPECTROMETRY, FLUORESCENCE/ SPECTROPHOTOMETRY, ULTRAVIOLET/ ZINC

INSTRUMENTATION

Differential pulse polarographic determination of adrenaline at the glassy carbon electrode [proceedings] Ballantine J, et al. **J Pharm Pharmacol** 30 Suppl:46P, Dec 78
ELECTRODES/ *EPINEPHRINE, analysis/ POLAROGRAPHY, instrumentation/ POLAROGRAPHY, methods

METHODS

Differential pulse polarographic determination of adrenaline at the glassy carbon electrode [proceedings] Ballantine J, et al. **J Pharm Pharmacol** 30 Suppl:46P, Dec 78
ELECTRODES/ *EPINEPHRINE, analysis/ POLAROGRAPHY, instrumentation/ POLAROGRAPHY, methods

PROTEIN BINDING

Radioimmunological determination of apparent free cortisol concentration: some physiological and clinical applications. Clerico A, et al. **Clin Chim Acta** 91(3):227–31, 1 Feb 79
ADOLESCENCE/ ADULT/ AGED/ BLOOD PROTEINS, metabolism/ CIRCADIAN RHYTHM/ FEMALE/ GESTATIONAL AGE/ HUMAN/ *HYDROCORTISONE, blood/ KIDNEY DISEASES, blood/ LIVER CIRRHOSIS, blood/ MALE/ METHODS/ MIDDLE AGE/ PREGNANCY/ PROTEIN BINDING/ RADIOIMMUNOASSAY

Time saving protein binding assay for the simultaneous determination of guanosine 3':5'-monophosphate (cGMP) and adenosine 3':5'-monophosphate (cAMP) in human urine. Kleine TO, et al. **J Clin Chem Clin Biochem** 16(12):657–61, Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ BUFFERS/ CATTLE/ COMPARATIVE STUDY/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ HUMAN/ LOBSTERS/ METHODS/ MUSCLE PROTEINS/ PHOSPHODIESTERASE INHIBITORS/ PROTEIN BINDING

RADIOIMMUNOASSAY

Development and validation of a specific radioimmunoassay for somatostatin in human plasma. Penman E, et al. **Ann Clin Biochem** 16(1):15–25, Jan 79
ANTIBODY SPECIFICITY/ FEMALE/ HUMAN/ MALE/ METHODS/ NORMAL VALUES/ RADIOIMMUNOASSAY/ *SOMATOTROPIN RELEASE INHIBITING HORMONE, blood/ SOMATOTROPIN RELEASE INHIBITING HORMONE, immunology/ SOMATOTROPIN RELEASE INHIBITING HORMONE, isolation & purification

Radioimmunological determination of apparent free cortisol concentration: some physiological and clinical applications. Clerico A, et al. **Clin Chim Acta** 91(3):227–31, 1 Feb 79
ADOLESCENCE/ ADULT/ AGED/ BLOOD PROTEINS, metabolism/ CIRCADIAN RHYTHM/ FEMALE/ GESTATIONAL AGE/ HUMAN/ *HYDROCORTISONE, blood/ KIDNEY DISEASES, blood/ LIVER CIRRHOSIS, blood/ MALE/ METHODS/ MIDDLE AGE/ PREGNANCY/ PROTEIN BINDING/ RADIOIMMUNOASSAY

Correction for the presence of cross-reactants in saturation assays: application to thyroxine cross-reactivity in 3,3',5'-(reverse)-triiodothyronine radioimmunoassay. Mathur H, et al. **Clin Chim Acta** 91(3):317–27, 1 Feb 79
BINDING SITES, ANTIBODY/ CROSS REACTIONS/ HUMAN/ IMMUNE SERUMS, standards/ METHODS/ MODELS, BIOLOGICAL/ RADIOIMMUNOASSAY/ *THYROXINE, blood/ THYROXINE, immunology/ *TRIIODOTHYRONINE, blood/ *TRIIODOTHYRONINE, REVERSE, blood/ TRIIODOTHYRONINE, REVERSE, immunology

Enzyme-immunoassay of human placental lactogen. van Hell H, et al. **Clin Chim Acta** 91(3):309–16, 1 Feb 79
FEMALE/ GESTATIONAL AGE/ HORSERADISH PEROXIDASE, diagnostic use/ HUMAN/ IMMUNOENZYME TECHNICS/ METHODS/ NORMAL VALUES/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ RADIOIMMUNOASSAY

Studies on the bioassayable growth hormone-like activity of plasma. Ellis S, et al. **Recent Prog Horm Res** 34:213–38, 1978 (33 ref.)
ANIMAL/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY, GEL/ HUMAN/ METHODS/ PLASMAPHERESIS/ RADIOIMMUNOASSAY/ RATS/ REVIEW/ *SOMATOTROPIN, blood/ SOMATOTROPIN, isolation & purification/ TIBIA

INSTRUMENTATION

[Comparative studies of commercially available T4-RIA-kits (author's transl)] Schmidt HA, et al. **Nuklearmedizin** 17(6):270–2, Dec 78 (Eng. Abstr.) **(Ger)**
ENGLISH ABSTRACT/ HUMAN/ *RADIOIMMUNOASSAY, instrumentation/ RADIOIMMUNOASSAY, methods/ *THYROID FUNCTION TESTS, instrumentation/ THYROID FUNCTION TESTS, methods/ *THYROXINE, blood

[Comparative studies of commercially available T4-RIA-Kits (author's transl)] Schmidt HA, et al. **Nuklearmedizin** 17(6):273–6, Dec 78 (Eng. Abstr.) **(Ger)**
ENGLISH ABSTRACT/ HUMAN/ *RADIOIMMUNOASSAY, instrumentation/ RADIOIMMUNOASSAY, methods/ *THYROID FUNCTION TESTS, instrumentation/ THYROID FUNCTION TESTS, methods/ *THYROXINE, blood

METHODS

A methodological study in measuring T3 and T4 concentration in red and white skeletal muscle and plasma of euthyroid rats. Janssen JW, et al. **Acta Endocrinol (Copenh)** 90(1):81–9, Jan 79
ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL/ FEMALE/ *MUSCLE, SMOOTH, analysis/ *MUSCLES, analysis/ *RADIOIMMUNOASSAY, methods/ RATS/ *THYROXINE, analysis/ THYROXINE, blood/ *TRIIODOTHYRONINE, analysis/ TRIIODOTHYRONINE, blood

Total urine oestriol by a modification of a commercial plasma oestriol kit. Seddon RM, et al. **Ann Clin Biochem** 15(6):338–9, Nov 78
ESTRIOL, blood/ *ESTRIOL, urine/ HUMAN/ KINETICS/ QUALITY CONTROL/ RADIOIMMUNOASSAY, methods/ REAGENT KITS, DIAGNOSTIC

Discrete modular system for automation of radioimmunoassay of serum choriomammotropin. Hammond GL, et al. **Clin Chem** 25(1):129–31, Jan 79
ALCOHOL, ETHYL/ AUTOANALYSIS/ FEMALE/ HUMAN/ *PLACENTAL LACTOGEN, blood/ POLYETHYLENE GLYCOLS/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ RADIOIMMUNOASSAY, methods

Improved radioimmunoassay of urinary estriol. Jawad MJ, et al. **Clin Chem** 25(1):99–102, Jan 79
COMPARATIVE STUDY/ CROSS REACTIONS/ *ESTRIOL, urine/ FEMALE/ HUMAN/ MALE/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ RADIOIMMUNOASSAY, methods

Determination of serum cortisol and 11-deoxycortisol by liquid chromatography. Reardon GE, et al. **Clin Chem** 25(1):122–6, Jan 79
CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ COMPARATIVE STUDY/ *CORTODOXONE, blood/ HUMAN/ *HYDROCORTISONE, blood/ HYPOPITUITARISM, blood/ METYRAPONE, diagnostic use/ RADIOIMMUNOASSAY, methods/ *17-HYDROXYCORTICOSTEROIDS, blood

Spironolactone-associated digoxin radioimmunoassay interference. Silber B, et al. **Clin Chem** 25(1):48–50, Jan 79
COMPARATIVE STUDY/ *DIGOXIN, blood/ HUMAN/ IODINE RADIOISOTOPES/ MALE/ RADIOIMMUNOASSAY, methods/ *SPIRONOLACTONE, blood/ TRITIUM/ UNITED STATES GOV'T SUPPORTED, P.H.S.

Evaluation of a commercial enzyme immunoassay for insulin in human serum, and its clinical application. Yoshioka M, et al. **Clin Chem** 25(1):35–8, Jan 79
C-PEPTIDE, blood/ COMPARATIVE STUDY/ EVALUATION STUDIES/ HEMOGLOBINS/ HUMAN/ IMMUNOENZYME TECHNICS/ *INSULIN, blood/ PROINSULIN, blood/ RADIOIMMUNOASSAY, methods/ REAGENT KITS, DIAGNOSTIC

Evaluation of a competitive binding assay for cortisol using horse transcortin. Stahl F, et al. **Endokrinologie** 72(2):214–22, May 78
AMNIOTIC FLUID, analysis/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ DIETHYLSTILBESTROL, therapeutic use/ ENDOCRINE DISEASES, metabolism/ FEMALE/ FETAL BLOOD, analysis/ HORSES/ HUMAN/ *HYDROCORTISONE, analysis/ HYDROCORTISONE, blood/ HYDROCORTISONE, urine/ INFANT, NEWBORN/ MALE/ NORMAL VALUES/ PREGNANCY/ PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, metabolism/ RADIOIMMUNOASSAY, methods/ *TRANSCORTIN

Development and validation of a 'direct' radioimmunoassay for plasma testosterone in the fowl (Gallus domesticus). Driot FJ, et al. **Gen Comp Endocrinol** 36(2):244–9, Oct 78
ANIMAL/ CHICKENS/ COMPARATIVE STUDY/ CROSS REACTIONS/ MALE/ RADIOIMMUNOASSAY, methods/ *TESTOSTERONE, blood

Radioimmunoassay of turkey growth hormone. Proudman JA, et al. **Gen Comp Endocrinol** 36(2):194–200, Oct 78
AGING/ ANIMAL/ CHICKENS/ DOSE-RESPONSE RELATIONSHIP, IMMUNOLOGIC/ HYPOPHYSECTOMY/ PITUITARY GLAND, analysis/ QUAIL/ RADIOIMMUNOASSAY, methods/ *SOMATOTROPIN, analysis/ SOMATOTROPIN, blood/ SPECIES SPECIFICITY/ TURKEYS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

A simple technique for determining the sex of fish by radioimmunoassay using 11-ketotestosterone antiserum. Sangalang GB, et al. **Gen Comp Endocrinol** 36(2):187–93, Oct 78
AGING/ ANIMAL/ COMPARATIVE STUDY/ FEMALE/ FISHES/ MALE/ RADIOIMMUNOASSAY, methods/ *SEX DETERMINATION/ SPECIES SPECIFICITY/ *TESTOSTERONE, analogs & derivatives/ TESTOSTERONE, blood/ TROUT

Combined batchwise and continuous flow mechanization of solid-phase radioimmunoassays. Schweer HH, et al. **J Clin Chem Clin Biochem** 16(11):625–9, Nov 78
AUTOANALYSIS/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ *PLACENTAL LACTOGEN, blood/ POLYVINYL CHLORIDE/ PREGNANCY TRIMESTER, FIRST/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ RADIOIMMUNOASSAY, methods

Amino-terminal labelled antibody assay for human parathyroid hormone [proceedings] Papapoulos SE, et al. **J Endocrinol** 79(2):33P–34P, Nov 78
HUMAN/ *PARATHYROID HORMONE, analysis/ PARATHYROID HORMONE, blood/ RADIOIMMUNOASSAY, methods

Increased levels of a nerve-growth-factor cross-reacting protein in 'central' neurofibromatosis. Fabricant RN, et al. **Lancet** 1(8106):4–7, 6 Jan 79
ADOLESCENCE/ ADULT/ ANTIGENS, immunology/ BINDING, COMPETITIVE/ CELL DIVISION/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ MALE/ *NERVE GROWTH FACTOR, blood/ *NEUROFIBROMATOSIS, blood/ NEUROFIBROMATOSIS, familial & genetic/ NEUROFIBROMATOSIS, immunology/ *NEUROMA, ACOUSTIC, blood/ NEUROMA, ACOUSTIC, familial & genetic/ NEUROMA, ACOUSTIC, immunology/ PERIPHERAL NERVE NEOPLASMS, blood/ RADIOIMMUNOASSAY, methods/ THROMBOSIS, enzymology

A charcoal--agar disc to adsorb free steroid in radioimmunoassay. Boarer CD, et al. **Med Lab Sci** 35(4):379–86, Oct 78
ADSORPTION/ *AGAR/ ANIMAL/ CATTLE/ *CHARCOAL/ COMPARATIVE STUDY/ PROGESTERONE, blood/ PROGESTERONE, isolation & purification/ *RADIOIMMUNOASSAY, methods/ SHEEP/ *STEROIDS, isolation & purification

Method for determining oxytocin concentrations in unextracted sera; characterization in lactating cattle. Gorewit RC. **Proc Soc Exp Biol Med** 160(1):80–7, Jan 79
ANIMAL/ CATTLE/ FEMALE/ *LACTATION/ MAMMAE, physiology/ MILK EJECTION/ *OXYTOCIN, blood/ PREGNANCY/ PRESSURE/ *RADIOIMMUNOASSAY, methods

Radioimmunoassay of 8-arginine-vasopressin (antidiuretic hormone) in human plasma. Hammer M. **Scand J Clin Lab Invest** 38(8):707–16, Dec 78
ADULT/ AMINO ACID SEQUENCE/ *ARGIPRESSIN, blood/ BINDING SITES, ANTIBODY/ FEMALE/ HUMAN/ IMMUNE SERUMS/ MALE/ MIDDLE AGE/ OSMOLAR CONCENTRATION/ *RADIOIMMUNOASSAY, methods

[Early detection of congenital hypothyroidism--determination of total thyroxine using the RIA T4 spot-ostion method (author's transl)] Kračmar P, et al. **Cas Lek Cesk** 117(46):1436–9, 1978 (Eng. Abstr.) **(Cze)**
ENGLISH ABSTRACT/ HUMAN/ *HYPOTHYROIDISM, blood/ HYPOTHYROIDISM, congenital/ RADIOIMMUNOASSAY, methods/ *THYROXINE, blood/ TIME FACTORS

[Comparative studies of commercially available T4-RIA-kits (author's transl)] Schmidt HA, et al. **Nuklearmedizin** 17(6):270–2, Dec 78 (Eng. Abstr.) **(Ger)**
ENGLISH ABSTRACT/ HUMAN/ *RADIOIMMUNOASSAY, instrumentation/ RADIOIMMUNOASSAY, methods/ *THYROID FUNCTION TESTS, instrumentation/ THYROID FUNCTION TESTS, methods/ *THYROXINE, blood

[Comparative studies of commercially available T4-RIA-Kits (author's transl)] Schmidt HA, et al. **Nuklearmedizin** 17(6):273–6, Dec 78 (Eng. Abstr.) **(Ger)**
ENGLISH ABSTRACT/ HUMAN/ *RADIOIMMUNOASSAY, instrumentation/ RADIOIMMUNOASSAY, methods/ *THYROID FUNCTION TESTS, instrumentation/ THYROID FUNCTION TESTS, methods/ *THYROXINE, blood

[Evaluation of TSH 'Eiken'] Makino E, et al. **Horumon To Rinsho** 26(10):1067–70, Oct 78 **(Jpn)**
HUMAN/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC/ THYROID DISEASES, blood/ *THYROTROPIN, blood

[Serum growth hormone determination with Phadebas hGH PRIST---experimental and clinical studies] Matsuura H, et al. **Horumon To Rinsho** 26(10):1055–8, Oct 78 **(Jpn)**
ACROMEGALY, blood/ DWARFISM, PITUITARY, blood/ FEMALE/ HUMAN/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC/ *SOMATOTROPIN, blood

[Clinical results of serum cortisol determination with 'Cortisol-Eiken'] Shimizu T, et al. **Horumon To Rinsho** 26(10):1051–3, Oct 78 **(Jpn)**
ADULT/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ MALE/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC

[Studies of TSH radioimmunoassay kit, 'Eiken'] Shizume K, et al. **Horumon To Rinsho** 26(10):1063–6, Oct 78 **(Jpn)**
HUMAN/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC/ THYROID DISEASES, blood/ *THYROTROPIN, blood

[Prolactin secretion tests] Ueda T, et al. **Horumon To Rinsho** 26(10):999–1006, Oct 78 **(Jpn)**
*ADENOMA, blood/ ADENOMA, CHROMOPHOBE, blood/ ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/ MALE/ *PITUITARY NEOPLASMS, blood/ *PROLACTIN, blood/ *RADIOIMMUNOASSAY, methods

[Serum growth hormone determination with a radioimmunoassay kit] Yonezawa K, et al. **Horumon To Rinsho** 26(10):1059–62, Oct 78 **(Jpn)**
ADULT/ FEMALE/ HUMAN/ MALE/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC/ *SOMATOTROPIN, blood/ THYROID DISEASES, blood

[Measurement of reverse triiodothyronine (rT3) by direct radioimmunoassay: Serum rT3 distribution and correlation with triiodothyronine (T3), thyroxine (T4) and free thyroxine index (FTI) in various thyroid economy (author's transl)] Bunko H, et al. **Kaku Igaku** 15(7):1033–41, Oct 78 **(Jpn)**
HUMAN/ *RADIOIMMUNOASSAY, methods/ REAGENT KITS, DIAGNOSTIC/ *THYROID DISEASES, blood/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood/ *TRIIODOTHYRONINE, REVERSE, blood

[Radioimmunoassay of thyroxine with polyethylene glycol (PEG) (author's transl)] Fuke T, et al. **Kaku Igaku** 15(7):1013–8, Oct 78 **(Jpn)**
HUMAN/ *POLYETHYLENE GLYCOLS/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC/ *THYROXINE, blood

[Assessment of radioimmunoassay kit without extraction for ACTH, and reformation of the procedure (author's transl)] Kitsunai Y, et al. **Kaku Igaku** 15(7):1025–31, Oct 78 **(Jpn)**
*CORTICOTROPIN, blood/ HUMAN/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC

[Fundamental and clinical studies on the measurement of serum thyroxine by CK-R4A kit (author's transl)] Shigemasa C, et al. **Kaku Igaku** 15(7):1043–8, Oct 78 **(Jpn)**
HUMAN/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC/ THYROID DISEASES, blood/ *THYROXINE, blood

[Measurement of prostaglandin E and F2alpha in human serum and burn blister fluid by radioimmunoassay method (author's transl)] Sugiyama S, et al. **Kaku Igaku** 15(7):1019–23, Oct 78 **(Jpn)**
ADULT/ AGED/ *BURNS, metabolism/ *EXUDATES AND TRANSUDATES, analysis/ HUMAN/ MALE/ MIDDLE AGE/ *PROSTAGLANDINS E, analysis/ PROSTAGLANDINS E, blood/ *PROSTAGLANDINS F, analysis/ PROSTAGLANDINS F, blood/ *RADIOIMMUNOASSAY, methods/ REAGENT KITS, DIAGNOSTIC

[Determination of thyroxine in serum by gammacoat T4 (author's transl)] Kinoshita F, et al. **Radioisotopes** 27(8):470–3, Aug 78 **(Jpn)**
HUMAN/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC/ THYROID DISEASES, blood/ *THYROXINE, blood

[Determination of triiodothyronine in serum by gammacoat T3 (author's transl)] Kinoshita F, et al. **Radioisotopes** 27(8):466–9, Aug 78 **(Jpn)**
HUMAN/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC/ THYROID DISEASES, blood/ *TRIIODOTHYRONINE, blood

SPECTROMETRY, FLUORESCENCE

A spectropolarimetric assay of (-)-adrenaline in compendial formulations. Davidson AG. **J Pharm Pharmacol** 31(2):77–82, Feb 79
AEROSOLS, analysis/ ATROPINE, analysis/ CHEMISTRY/ DRUG COMBINATIONS/ *EPINEPHRINE, analysis/ HYDROGEN-ION CONCENTRATION/ METHODS/ OPHTHALMIC SOLUTIONS, analysis/ OPTICAL ROTATION/ POLAROGRAPHY/ SPECTROMETRY, FLUORESCENCE/ SPECTROPHOTOMETRY, ULTRAVIOLET/ ZINC

METHODS

A simplified method for the estimation of urinary oestrogens during pregnancy. Durham BH. **Med Lab Sci** 35(4):321–4, Oct 78
*ESTROGENS, urine/ FEMALE/ HUMAN/

INDICATORS AND REAGENTS/ PREGNANCY TRIMESTER, THIRD/ *PREGNANCY/ SPECTROMETRY, FLUORESCENCE, methods

[Fluorophotometric determination of dehydroepiandrosterone sulfate in urine by ion-pair extraction (author's transl)] Maeda M, et al. **Yakugaku Zasshi** 98(11):1556-60, Nov 78 (Eng. Abstr.) **(Jpn)**

*DEHYDROEPIANDROSTERONE, urine/ ENGLISH ABSTRACT/ IONS/ *SPECTROMETRY, FLUORESCENCE, methods

SPECTROPHOTOMETRY

[Bamifylline. Conditions of its interference in the estimation of urinary 17-oxosteroids. Method of estimation using Zimmermann's reaction (author's transl)] Thévenet M, et al. **Ann Biol Clin (Paris)** 36(4):369-74, 1978 (Eng. Abstr.) **(Fre)**

BRONCHODILATOR AGENTS/ ENGLISH ABSTRACT/ ETHANOLAMINES, isolation & purification/ ETHANOLAMINES, therapeutic use/ ETHANOLAMINES, urine/ HUMAN/ METHODS/ SPECTROPHOTOMETRY/ *THEOPHYLLINE, analogs & derivatives/ THEOPHYLLINE, isolation & purification/ THEOPHYLLINE, therapeutic use/ THEOPHYLLINE, urine/ *17-KETOSTEROIDS, urine

SPECTROPHOTOMETRY, ULTRAVIOLET

A spectropolarimetric assay of (-)-adrenaline in compendial formulations. Davidson AG. **J Pharm Pharmacol** 31(2):77-82, Feb 79

AEROSOLS, analysis/ ATROPINE, analysis/ CHEMISTRY/ DRUG COMBINATIONS/ *EPINEPHRINE, analysis/ HYDROGEN-ION CONCENTRATION/ METHODS/ OPHTHALMIC SOLUTIONS, analysis/ OPTICAL ROTATION/ POLAROGRAPHY/ SPECTROMETRY, FLUORESCENCE/ SPECTROPHOTOMETRY, ULTRAVIOLET/ ZINC

SPECTRUM ANALYSIS

METHODS

Combined cortical thickness and bone density determination by photon absorptiometry. Kraner HW, et al. **Phys Med Biol** 23(6):1101-14, Nov 78

ANIMAL/ *BONE AND BONES/ *BONE DISEASES, diagnosis/ BONE DISEASES, etiology/ CALCIUM, deficiency/ CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ *DENSITOMETRY, methods/ FEMALE/ *MINERALS/ RATS/ *SPECTRUM ANALYSIS, methods/ UNITED STATES GOV'T SUPPORTED, P.H.S.

AUTHOR SECTION

A

1. **Aarkrog A, Jensen LB, Dahlgaard H, et al:** Environmental radioactivity in Denmark in 1977. Riso Rep 386:1–133, Jun 78
   AIR POLLUTANTS, RADIOACTIVE, analysis/ ANIMAL/ BONE AND BONES, analysis/ CEREALS, analysis/ CESIUM RADIOISOTOPES/ DAIRY PRODUCTS, analysis/ DENMARK/ FISHES/ FOOD CONTAMINATION, RADIOACTIVE, analysis/ FRUIT, analysis/ GRASSES, analysis/ HUMAN/ IODINE RADIOISOTOPES/ MARINE BIOLOGY/ MEAT, analysis/ MILK, analysis/ PLANTS, analysis/ RADIOACTIVE FALLOUT/ *RADIOACTIVE POLLUTANTS, analysis/ SEASONS/ SOIL POLLUTANTS, RADIOACTIVE, analysis/ STRONTIUM RADIOISOTOPES/ TRITIUM, analysis/ VEGETABLES, analysis/ WATER POLLUTANTS, RADIOACTIVE, analysis

2. **Aarli JA, Heimann P, Matre R, et al:** Lymphocyte subpopulations in thymus and blood from patients with myasthenia gravis. J Neurol Neurosurg Psychiatry 42(1):29–34, Jan 79
   B-LYMPHOCYTES, immunology/ HUMAN/ IMMUNOGLOBULINS, FC, analysis/ IMMUNOGLOBULINS, SURFACE, analysis/ LEUKOCYTE COUNT/ *LYMPHOCYTES, immunology/ *MYASTHENIA GRAVIS, immunology/ ROSETTE FORMATION/ T-LYMPHOCYTES, immunology/ THYMECTOMY/ THYMOMA, immunology/ *THYMUS GLAND, immunology/ THYMUS HYPERPLASIA, immunology/ THYMUS NEOPLASMS, immunology

3. **Abbassi V, Linseheid T, Coleman M:** Triiodothyronine (T3) concentration and therapy in autistic children. J Autism Child Schizophr 8(4):383–7, Dec 78
   ADOLESCENCE/ ADULT/ AGE DETERMINATION BY SKELETON/ *AUTISM, EARLY INFANTILE, drug therapy/ AUTISM, EARLY INFANTILE, physiopathology/ CHILD/ HUMAN/ HYPERTHYROIDISM, chemically induced/ THYROID GLAND, physiopathology/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, adverse effects/ *TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, therapeutic use

4. **Abbrederis K, Michlmayr G, Schmalzl F, et al:** Prolymphozytäre Leukämie. Dtsch Med Wochenschr 104(1):11–6, 5 Jan 79 (Eng. Abstr.) **(Ger)**
   AGED/ B-LYMPHOCYTES, analysis/ CASE REPORT/ CHLORAMBUCIL, therapeutic use/ DAUNOMYCIN, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LEUKEMIA, LYMPHOCYTIC, diagnosis/ LEUKEMIA, LYMPHOCYTIC, drug therapy/ LEUKEMIA, LYMPHOCYTIC, therapy/ METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE/ SPLENECTOMY/ T-LYMPHOCYTES, analysis/ VINCRISTINE, therapeutic use

5. **Abdel-Dayem HM:** Congenital absence of submaxillary gland detected on 99mTc-pertechnetate thyroid imaging. Clin Nucl Med 3(11):442, Nov 78
   CASE REPORT/ FEMALE/ HUMAN/ MIDDLE AGE/ *SUBMANDIBULAR GLAND, abnormalities/ SUBMANDIBULAR GLAND, radionuclide imaging/ *TECHNETIUM, diagnostic use/ *THYROID GLAND, radionuclide imaging

6. **Abe H, Kato Y, Iwasaki Y, et al:** Central effect of somatostatin on the secretion of growth hormone in the anesthetized rat. Proc Soc Exp Biol Med 159(3):346–9, Dec 78
   ANIMAL/ *BRAIN, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HYPOTHALAMUS, physiology/ INJECTIONS, INTRAVENTRICULAR/ MALE/ RATS/ SOMATOTROPIN RELEASE INHIBITING HORMONE, administration & dosage/ *SOMATOTROPIN RELEASE INHIBITING HORMONE, pharmacodynamics/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion

7. **Abe K, Yasujima M, Irokawa N, et al:** The role of intrarenal vasoactive substances in the pathogenesis of essential hypertension. Clin Sci Mol Med 55 Suppl 4:363s–366s, Dec 78
   ADOLESCENCE/ ADULT/ AGED/ *ALDOSTERONE, blood/ ANGIOTENSIN II, antagonists & inhibitors/ DIET, SALT-FREE/ FEMALE/ FUROSEMIDE, pharmacodynamics/ HUMAN/ *HYPERTENSION, metabolism/ INDOMETHACIN, pharmacodynamics/ *KALLIKREIN, urine/ MALE/ MIDDLE AGE/ NATRIURESIS/ *PROSTAGLANDINS E, urine/ *RENIN, blood

8. **Abeatici S, Remonda G, Palestini N:** Rapporti tra ipercalcemia e ulcera peptica. Minerva Chir 33(23–24):1697–704, 15–31 Dec 78 (Eng. Abstr.) **(Ita)**
   CALCIUM, blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERCALCEMIA, complications/ HYPERPARATHYROIDISM, complications/ MALE/ *PEPTIC ULCER, blood/ PEPTIC ULCER, etiology/ PHOSPHORUS, blood

9. **Aberg A, Holmberg G:** Preliminary clinical test of zimelidine (H 102/09), a new 5-HT uptake inhibitor. Acta Psychiatr Scand 59(1):45–58, Jan 79
   ADULT/ AGED/ ALLYLAMINE, analogs & derivatives/ ALLYLAMINE, therapeutic use/ ANTIDEPRESSIVE AGENTS, administration & dosage/ *ANTIDEPRESSIVE AGENTS, therapeutic use/ BRAIN, metabolism/ CASE REPORT/ CHEMISTRY/ CLINICAL RESEARCH/ DRUG EVALUATION/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ NOREPINEPHRINE, metabolism/ PLACEBOS/ *PYRIDINES, therapeutic use/ SEROTONIN ANTAGONISTS/ *SEROTONIN, metabolism

10. **Aberg G, Kopp U:** Haemodynamic effects of the quaternary ammonium compound QX 572 in anaesthetized cats. II. Studies on the mechanism for the cardiac chronotropic effects. Acta Pharmacol Toxicol (Copenh) 44(2):95–8, Feb 79
    ADRENALECTOMY/ *AMMONIUM COMPOUNDS, pharmacodynamics/ ANIMAL/ *ANTI-ARRHYTHMIA AGENTS, pharmacodynamics/ CATS/ ELECTRIC STIMULATION/ FEMALE/ *HEART RATE, drug effects/ HEART, innervation/ HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ MALE/ SYMPATHECTOMY/ SYMPATHETIC NERVOUS SYSTEM, physiology/ VAGOTOMY

11. **Abramowitz J, Chavin W:** In vitro effects of hormonal stimuli upon tyrosinase and peroxidase activities in murine melanomas. Biochem Biophys Res Commun 85(3):1067–73, 14 Dec 78
    ANIMAL/ COMPARATIVE STUDY/ *CORTICOSTERONE, pharmacodynamics/ *CORTICOTROPIN, pharmacodynamics/ *DIPHENOL OXIDASES, metabolism/ *MELANOMA, enzymology/ MICE/ NEOPLASMS, EXPERIMENTAL, enzymology/ *PEROXIDASES, metabolism/ *TYROSINASE, metabolism

12. **Abrams CA:** Endocrinologic aspects of failure to thrive. Pediatr Ann 7(11):760–6, Nov 78
    ADRENAL GLAND HYPOFUNCTION, complications/ CATECHOLAMINES, physiology/ CHILD/ CHILD, PRESCHOOL/ CORTICOTROPIN, physiology/ DIABETES INSIPIDUS, complications/ EMOTIONS/ *ENDOCRINE DISEASES, complications/ *GROWTH DISORDERS, etiology/ *HORMONES, physiology/ HUMAN/ HYPERTHYROIDISM, complications/ HYPOPITUITARISM, complications/ HYPOTHYROIDISM, complications/ INFANT/ INFANT, NEWBORN/ PROTEIN-CALORIE MALNUTRITION, complications/ VASOPRESSINS, physiology

13. **Abrams JJ, Sandler JA:** Recurrent Graves disease spanning 24 years. West J Med 129(6):504–6, Dec 78
    ADULT/ CASE REPORT/ *GOITER, EXOPHTHALMIC, radiotherapy/ HUMAN/ *IODINE RADIOISOTOPES, therapeutic use/ MALE/ RECURRENCE/ TIME FACTORS

14. **Achari NK, Al-Ubaidy SS, Downman CB:** Spinal sympathoexcitatory pathways activated by stimulating fastigial nuclei, hypothalamus, and lower brain stem in cats. Exp Neurol 62(1):230–40, Oct 78
    ANIMAL/ *BRAIN STEM, physiology/ CATS/ *CEREBELLAR NUCLEI, physiology/ ELECTRIC STIMULATION/ EVOKED POTENTIALS/ *HYPOTHALAMUS, physiology/ MEDULLA

OBLONGATA, physiology/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ SPINAL CORD, physiology/ *SYMPATHETIC NERVOUS SYSTEM, physiology

15. **Acuña D, García del Río C, Alba F, et al:** Efectos del cambio postural y de la depleción de volumen sobre el sistema renina-angiotensina-aldosterona. Rev Esp Fisiol 34(4):411-6, Dec 78 (Eng. Abstr.) **(Spa)**
ADULT/ ALDOSTERONE, blood/ ALDOSTERONE, urine/ ANGIOTENSINOGEN, blood/ ANGIOTENSINOGEN, urine/ COMPARATIVE STUDY/ ELECTROLYTES, analysis/ ENGLISH ABSTRACT/ FEMALE/ *FUROSEMIDE, pharmacodynamics/ GAIT/ HUMAN/ *JUXTAGLOMERULAR APPARATUS, physiology/ MALE/ *POSTURE/ *RENIN, blood/ RENIN, urine

16. **Adachi H, Nagatomo K, Takehara Y, et al:** [The comparison of antishock effect of dexamethasone disodium phosphate (DM-P) and dexamethasone sodium sulfate (DM-5) on the survival rate of mice in endotoxin shock (author's transl)] Masui 28(1):27-32, Jan 79 **(Jpn)**
ANIMAL/ COMPARATIVE STUDY/ *DEXAMETHASONE, analogs & derivatives/ DEXAMETHASONE, therapeutic use/ MALE/ MICE/ *SHOCK, SEPTIC, drug therapy

17. **Adam BA:** An open clinical trial comparing (paired comparisons) desoximetasone with betamethasone 17-valerate. Med J Malaysia 32(4):302-3, Jun 78
*BETAMETHASONE 17-VALERATE, therapeutic use/ *BETAMETHASONE, analogs & derivatives/ COMPARATIVE STUDY/ *DESOXIMETASONE, therapeutic use/ *DEXAMETHASONE, analogs & derivatives/ DRUG EVALUATION/ ECZEMA, drug therapy/ HUMAN/ PSORIASIS, drug therapy

18. **Adam WR:** Enhancement by L-dopa of the renal action of aldosterone in the rat. Clin Exp Pharmacol Physiol 6(1):87-96, Jan-Feb 79
*ALDOSTERONE, pharmacodynamics/ ANIMAL/ CREATININE, blood/ CREATININE, urine/ DRUG INTERACTIONS/ FEMALE/ *KIDNEY, drug effects/ KIDNEY, metabolism/ *LEVODOPA, pharmacodynamics/ NATRIURESIS, drug effects/ POTASSIUM, blood/ POTASSIUM, urine/ RATS/ SODIUM, blood

19. **Adelstein RS, Conti MA, Barylko B:** The role of myosin phosphorylation in regulating actin-myosin interaction in human blood platelets. Thromb Haemost 40(2):241-4, 31 Oct 78 (18 ref.)
*ACTIN, metabolism/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *BLOOD PLATELETS, metabolism/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HUMAN/ MOLECULAR WEIGHT/ *MYOSIN, metabolism/ PHOSPHORYLATION/ REVIEW

20. **Adler CP, Brendlein F, Limberg J, et al:** Vitamin-D-Mangelrachitis. Med Welt 30(4):141-6, 26 Jan 79 **(Ger)**
CASE REPORT/ FANCONI SYNDROME, physiopathology/ FEMALE/ HUMAN/ HYPOPHOSPHATASIA, physiopathology/ INFANT/ LARYNGISMUS, etiology/ MALABSORPTION SYNDROMES, physiopathology/ *RICKETS, etiology/ *VITAMIN D DEFICIENCY, complications

21. **Agarwal MK, Lazar G:** Metabolic basis of endotoxicosis. Microbios 20(81-82):183-214, 1977 (166 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *BACTERIAL TOXINS, toxicity/ BLOOD SUGAR, metabolism/ CARBOHYDRATES, metabolism/ DNA, biosynthesis/ *ENDOTOXINS, toxicity/ ENZYME INDUCTION/ HUMAN/ LIPIDS, blood/ LIVER GLYCOGEN, metabolism/ LIVER, drug effects/ LIVER, enzymology/ LIVER, metabolism/ RETICULOENDOTHELIAL SYSTEM, drug effects/ RETICULOENDOTHELIAL SYSTEM, metabolism/ REVIEW/ RNA, biosynthesis/ *SHOCK, SEPTIC, metabolism

22. **Agboola A:** Correlates of human umbilical cord length. Int J Gynaecol Obstet 16(3):238-9, 1978-79
BIRTH WEIGHT/ FEMALE/ HUMAN/ INFANT, NEWBORN/ NIGERIA/ ORGAN WEIGHT/ PLACENTA, physiology/ PREGNANCY/ PROSPECTIVE STUDIES/ *UMBILICAL CORD, anatomy & histology

23. **Agrawal AK, Gupta ML, Bhargava KP, et al:** Correlation between antiestrogenic and antiovulatory activity of some newer substituted coumarins.
Res Commun Chem Pathol Pharmacol 22(3):625-8, Dec 78
ANIMAL/ *COUMARINS, pharmacodynamics/ COUMARINS, toxicity/ DEPRESSION, CHEMICAL/ *ESTROGEN ANTAGONISTS/ MICE/ *OVULATION, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

24. **Aguilera S, Godoy G, Carvajal P:** Crioglobulinemias mixtas tipo II asociadas a mesenquimopatás. Parte I: estudio clinico y de laboratorio. Rev Med Chil 106(10):768-74, Oct 78 (Eng. Abstr.) **(Spa)**
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ *COLLAGEN DISEASES, immunology/ COMPLEMENT, analysis/ *CRYOGLOBULINS, analysis/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IGG, analysis/ IGM, analysis/ LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ MALE/ MIDDLE AGE/ RHEUMATOID FACTOR, analysis/ SCLERODERMA, SYSTEMIC, immunology/ SJOGREN'S SYNDROME, immunology

25. **Ahmad N, Warren DW, Haltmeyer GC:** The effects of 5alpha-reduced androgens on maintenance and regeneration of prostate glands and seminal vesicles in castrated and hypophysectomized rats. Anat Rec 192(4):543-54, Dec 78
*ANDROSTANEDIOL, pharmacodynamics/ *ANDROSTANES, pharmacodynamics/ ANIMAL/ *CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *HYPOPHYSECTOMY/ MALE/ ORGAN WEIGHT, drug effects/ OXIDATION-REDUCTION/ *PROSTATE, drug effects/ PROSTATE, ultrastructure/ RATS/ *REGENERATION, drug effects/ *SEMINAL VESICLES, drug effects/ SEMINAL VESICLES, ultrastructure/ SPERMATOGENESIS, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

26. **Ahmed FE, Setlow RB:** Excision repair in ataxia telangiectasia, Fanconi's anemia, Cockayne syndrome, and Bloom's syndrome after treatment with ultraviolet radiation and N-acetoxy-2-acetylaminofluorene. Biochim Biophys Acta 521(2):805-17, 21 Dec 78
*ATAXIA TELANGIECTASIA, metabolism/ BROMODEOXYURIDINE, pharmacodynamics/ CELL LINE/ DEOXYRIBONUCLEASE/ *DWARFISM, metabolism/ *DNA REPAIR/ DNA, biosynthesis/ *DNA, radiation effects/ ENDONUCLEASES/ *FANCONI SYNDROME, metabolism/ FIBROBLASTS/ HUMAN/ PHOTOLYSIS/ *ULTRAVIOLET RAYS/ UNITED STATES GOV'T SUPPORTED

27. **Ahn HS, Gardner E, Makman MH:** Anterior pituitary adenylate cyclase: stimulation by dopamine and other monoamines. Eur J Pharmacol 53(3):313-7, 15 Jan 79
*ADENYL CYCLASE, metabolism/ ANIMAL/ *BIOGENIC AMINES, pharmacodynamics/ CATECHOLAMINES, pharmacodynamics/ *DOPAMINE, pharmacodynamics/ FEMALE/ IN VITRO/ MALE/ MONKEYS/ *PITUITARY GLAND, ANTERIOR, drug effects/ PITUITARY GLAND, ANTERIOR, enzymology/ RABBITS/ RATS/ RECEPTORS, DOPAMINE, drug effects/ RHESUS MONKEYS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

28. **Ahn HS, Makman MH:** Interaction of LSD and other hallucinogens with dopamine-sensitive adenylate cyclase in primate brain: regional differences. Brain Res 162(1):77-88, 16 Feb 79
*ADENYL CYCLASE, metabolism/ ANIMAL/ AUDITORY CORTEX, enzymology/ *BRAIN, enzymology/ CAUDATE NUCLEUS, enzymology/ *DOPAMINE, pharmacodynamics/ DRUG INTERACTIONS/ FLUPHENAZINE, pharmacodynamics/ FRONTAL LOBE, enzymology/ HALOPERIDOL, pharmacodynamics/ LIMBIC SYSTEM, enzymology/ *LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ *MESCALINE, pharmacodynamics/ *METHAMPHETAMINE, pharmacodynamics/ MONKEYS/ PHENTOLAMINE, pharmacodynamics/ RECEPTORS, DOPAMINE, drug effects/ RETINA,

enzymology/ RHESUS MONKEYS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

29. **Ahuja MM, Karmarkar MG, Gopinath PG:** Tests of thyroid function. J Assoc Physicians India 26(2):109–18, Feb 78
HUMAN/ IODINE RADIOISOTOPES/ PROTEIN-BOUND IODINE TEST/ TECHNETIUM, diagnostic use/ THYROID DISEASES, immunology/ THYROID DISEASES, metabolism/ *THYROID FUNCTION TESTS/ THYROID GLAND, metabolism/ THYROID GLAND, radionuclide imaging/ THYROID HORMONES, blood

30. **Aiman J, Griffin JE, Gazak JM, et al:** Androgen insensitivity as a cause of infertility in otherwise normal men. N Engl J Med 300(5):223–7, 1 Feb 79
ADULT/ *ANDROGENS, physiology/ ANDROSTENEDIONE, blood/ CASE REPORT/ ESTRADIOL, blood/ ESTRONE, blood/ HUMAN/ LH, blood/ MALE/ OLIGOSPERMIA, etiology/ RECEPTORS, ANDROGEN, metabolism/ SPERMATOGENESIS/ *STERILITY, MALE, etiology/ STERILITY, MALE, metabolism/ TESTOSTERONE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

31. **Aire TA, Malmquist M:** Intraepithelial lymphocytes in the excurrent ducts of the testis of the domestic fowl (Gallus domesticus). Acta Anat (Basel) 103(2):142–9, 1979
ANIMAL/ CELL NUCLEUS, ultrastructure/ *CHICKENS, anatomy & histology/ EPIDIDYMIS, cytology/ EPIDIDYMIS, ultrastructure/ EPITHELIUM, cytology/ EPITHELIUM, ultrastructure/ GOLGI APPARATUS, ultrastructure/ LIGATION/ *LYMPHOCYTES, cytology/ LYMPHOCYTES, ultrastructure/ MALE/ MITOCHONDRIA, ultrastructure/ ORGANOIDS, ultrastructure/ RETE TESTIS, cytology/ RETE TESTIS, ultrastructure/ STAINS AND STAINING/ *TESTIS, cytology/ TESTIS, ultrastructure/ VACUOLES, ultrastructure/ VAS DEFERENS, physiology

32. **Aita JF, Wanamaker WM:** Body computerized tomography and the thymus. Arch Neurol 36(1):20–1, Jan 79
ADULT/ AGED/ CASE REPORT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ MYASTHENIA GRAVIS, radiography/ THYMOMA, radiography/ *THYMUS GLAND, radiography/ THYMUS NEOPLASMS, radiography/ *TOMOGRAPHY, COMPUTERIZED AXIAL

33. **Akerman KE, Wikström MK:** (Ca2+ + Mg2+)-stimulated ATPase activity of rabbit myometrium plasma membrane is blocked by oxytocin. FEBS Lett 97(2):283–7, 15 Jan 79
*ADENOSINE TRIPHOSPHATASE, CALCIUM, metabolism/ ANIMAL/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ ESTRADIOL, pharmacodynamics/ FEMALE/ KINETICS/ MAGNESIUM, pharmacodynamics/ MYOMETRIUM, drug effects/ *MYOMETRIUM, enzymology/ OXYTOCIN, pharmacodynamics/ RABBITS/ *UTERUS, enzymology

34. **Akhrem AA, Lapko VN, Lapko AG, et al:** N-kontsevaia aminokislotnaia posledovatel'nost' 20S, 22R-kholesterongidroksiliruiushchego tsitokhroma P-450 iz mitokhondriikory nadpochechnikov byka. Dokl Akad Nauk SSSR 243(2):505–7, 1978 **(Rus)**
*ADRENAL CORTEX, enzymology/ ADRENAL CORTEX, metabolism/ AMINO ACID SEQUENCE/ AMINO ACIDS/ ANIMAL/ CATALYSIS/ CATTLE/ CHEMISTRY/ *CHOLESTEROL, metabolism/ *CYTOCHROME P-450/ MITOCHONDRIA, enzymology/ *PREGNENOLONE, biosynthesis

35. **Akhtar R:** Goitre zonation in the Kumaon region: a geo-medical study. Soc Sci Med 12(3D–4D):157–63, Dec 78
CALCIUM, analysis/ FOOD HABITS/ *GEOLOGY/ GOITER, ENDEMIC, etiology/ *GOITER, ENDEMIC, occurrence/ GOITER, ENDEMIC, prevention & control/ HUMAN/ INDIA/ IODINE, deficiency/ LIFE STYLE/ SOCIOECONOMIC FACTORS/ WATER POLLUTANTS, analysis

36. **Akiguchi I, Horie R, Yamori Y:** Clinical application of stroke-prone SHR: evaluation of laboratory data and of a therapeutic attempt. Jpn Heart J 19(4):589–91, Jul 78
ANIMAL/ *BETAMETHASONE, therapeutic use/ *CEREBROVASCULAR DISORDERS, drug therapy/ *HYPERTENSION, drug therapy/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

37. **Akil H, Richardson DE, Barchas JD, et al:** Appearance of beta-endorphin-like immunoreactivity in human ventricular cerebrospinal fluid upon analgesic electrical stimulation. Proc Natl Acad Sci USA 75(10):5170–2, Oct 78
ANALGESIA/ *BRAIN, metabolism/ ELECTRIC STIMULATION/ *ENDORPHINS, cerebrospinal fluid/ ENDORPHINS, immunology/ HUMAN/ MALE/ RADIOIMMUNOASSAY/ THALAMUS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

38. **Akmaev IG, Rabkina AE:** Experimental aspects of the cns-insular system. Neurosci Behav Physiol 8(4):275–80, Oct–Dec 77
ANIMAL/ BRAIN MAPPING/ CELL NUCLEUS, ultrastructure/ CELL NUMBER/ *DIABETES MELLITUS, EXPERIMENTAL, pathology/ *HYPOTHALAMUS, pathology/ HYPOTHALAMUS, physiology/ HYPOTHALAMUS, MEDIAL, pathology/ ISLANDS OF LANGERHANS, physiology/ KARYOMETRY/ MALE/ RATS/ SUPRAOPTIC NUCLEUS, pathology

39. **Akopyan TN, Arutunyan AA, Oganisyan AL, et al:** Breakdown of hypothalamic peptides by hypothalamic neutral endopeptidase. J Neurochem 32(2):629–31, Feb 79
AMINO ACID SEQUENCE/ ANIMAL/ CATTLE/ *HYPOTHALAMUS, enzymology/ KINETICS/ NERVE TISSUE PROTEINS/ PEPTIDE PEPTIDOHYDROLASES, isolation & purification/ *PEPTIDE PEPTIDOHYDROLASES, metabolism/ *PEPTIDES/ SUBSTRATE SPECIFICITY

40. **Akzhigitov GN, Krapivenko VT:** Oshibki v diagnostike i lechenii deteĭ s simptomaticheskoĭ gipertonieĭ. Khirurgiia (Mosk) (12):108–10, Dec 78 **(Rus)**
ADRENAL GLAND NEOPLASMS, complications/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ DIAGNOSTIC ERRORS/ FEMALE/ HUMAN/ HYPERTENSION, diagnosis/ *HYPERTENSION, etiology/ HYPERTENSION, therapy/ KIDNEY, abnormalities/ MALE/ PHEOCHROMOCYTOMA, complications

41. **Alain JL, Lassalle JL, Alain J, et al:** Le syndrome de Beckwith Wiedemann (à propos de 4 observations). Chir Pediatr 19(4):239–45, Jul–Aug 78 (Eng. Abstr.) **(Fre)**
*ABNORMALITIES, MULTIPLE/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ *GIGANTISM, complications/ HEART ENLARGEMENT, complications/ HUMAN/ *HYPOGLYCEMIA, complications/ INFANT, NEWBORN/ KIDNEY, abnormalities/ LIVER, abnormalities/ *MACROGLOSSIA, complications/ MALE/ SYNDROME/ THYMUS GLAND, abnormalities/ *UMBILICAL HERNIA, complications

42. **Albert DJ, Brayley KN, Milner J:** Killing of mice by rats: suppression by medial hypothalamic stimulation. Physiol Behav 21(4):667–70, Oct 78
*AGGRESSION, physiology/ ANIMAL/ ELECTRIC STIMULATION/ FOOD DEPRIVATION/ GYRUS CINGULI, physiology/ *HYPOTHALAMUS, physiology/ *HYPOTHALAMUS, MEDIAL, physiology/ MALE/ RATS/ TIME FACTORS

43. **Albertsson-Wirkland K, Edén S, Isaksson O:** In vitro effects of growth hormone on protein synthesis and amino acid transport in the rat diaphragm after acute hypophysectomy. Acta Physiol Scand 105(2):215–21, Feb 79
*AMINO ACIDS, metabolism/ ANIMAL/ BLOOD SUGAR, analysis/ DIAPHRAGM, metabolism/ FEMALE/ *HYPOPHYSECTOMY/ *MUSCLE PROTEINS, biosynthesis/ *MUSCLES, metabolism/ RATS/ SOMATOTROPIN, blood/ *SOMATOTROPIN, pharmacodynamics/ TIME FACTORS

44. **Albrecht K, Weigert SR:** Der ADTA-Test zur Diagnostik der relativen Nebenschilddrüseninsuffizienz im Kindesalter. Kinderaerztl Prax 46(12):658–62, Dec 78 **(Ger)**
CALCIUM, blood/ CHILD/ *EDTA, diagnostic use/ FEMALE/ HUMAN/ MALE/ METHODS/ *PARATHYROID DISEASES, diagnosis/ TETANY, diagnosis

45. **Albukerk JN, Berlin M, Palladino VC, et al:** Endometriosis in peritoneal gliomatosis [letter] Arch Pathol Lab Med 103(2):98–9, Feb 79
ADULT/ CASE REPORT/ ENDOMETRIOSIS, complications/ *ENDOMETRIOSIS, pathology/ FEMALE/ HUMAN/ *NEUROGLIA, pathology/ OVARIAN NEOPLASMS, complications/ OVARIAN NEOPLASMS, pathology

46. **Alexander GJ, Kopeloff LM:** Effect of 6-hydroxydopamine: delayed motor manifestations associated with high mortality in sound-induced seizures in mice. Neurochem Res 3(6):821–5, Dec 78
ANIMAL/ BRAIN, metabolism/ *HYDROXYDOPAMINE, pharmacodynamics/ MICE/ MICE, NEUROLOGIC MUTANTS/ MOTOR ACTIVITY, drug effects/ NOREPINEPHRINE, metabolism/ SEIZURES, mortality/ *SEIZURES, physiopathology/ SEROTONIN, metabolism/ SOUND

47. **Algate DR, Leach GD:** Hypertension: its effect on the stimulated release of dopamine-beta-hydroxylase in the rat.
J Pharm Pharmacol 30(12):766–70, Dec 78
ANIMAL/ DESOXYCORTICOSTERONE, pharmacodynamics/ *DOPAMINE BETA-HYDROXYLASE, blood/ ELECTRIC STIMULATION/ FEMALE/ HEART, physiology/ HYPERTENSION, chemically induced/ *HYPERTENSION, enzymology/ MESENTERY, physiology/ RATS/ RENAL ARTERY, physiology/ SPLEEN, physiology

48. **Alizadeh J, Ward JA:** Comparative follow-up of patients with hyperthyroidism treated with 131 or surgery.
J Med Assoc Ga 68(2):101–4, Feb 79
ADULT/ AGED/ COMPARATIVE STUDY/ FEMALE/ FOLLOW-UP STUDIES/ GOITER, EXOPHTHALMIC, radiotherapy/ GOITER, EXOPHTHALMIC, surgery/ *GOITER, EXOPHTHALMIC, therapy/ HUMAN/ HYPOTHYROIDISM, etiology/ *IODINE RADIOISOTOPES, therapeutic use/ MALE/ MIDDLE AGE

49. **Allag IS, Kumari GL, Roy S, et al:** Effect of CuT-200 on urinary steroid hormone patterns in women.
Indian J Med Res 68:614–9, Oct 78
ADULT/ *ESTROGENS, urine/ FEMALE/ HUMAN/ *INTRAUTERINE DEVICES, COPPER/ *PREGNANEDIOL, urine

50. **Allen AW Jr, Moon JB, Hovland KR, et al:** Ocular findings in thoracic-pelvic-phalangeal dystrophy.
Arch Ophthalmol 97(3):489–92, Mar 79
*ABNORMALITIES, MULTIPLE/ ABNORMALITIES, MULTIPLE, diagnosis/ *BONE AND BONES, abnormalities/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ FINGERS, abnormalities/ FLUORESCEIN ANGIOGRAPHY/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ PELVIC BONES, abnormalities/ *RETINAL DEGENERATION, complications/ RETINAL DEGENERATION, diagnosis/ RETINAL DEGENERATION, pathology/ STRABISMUS, complications/ SYNDROME/ *THORAX, abnormalities/ TOES, abnormalities/ UNITED STATES GOV'T SUPPORTED, P.H.S.

51. **Allen DJ, Reimers HJ:** Storage Pool Disease--Untersuchungen zum Defekt der Serotoninspeicherfähigkeit.
Verh Dtsch Ges Inn Med (84):187–90, 1978 **(Ger)**
ADENOSINE DIPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ BLOOD PLATELETS, metabolism/ CHILD/ HUMAN/ MALE/ *METABOLISM, INBORN ERRORS/ *SEROTONIN, metabolism

52. **Allen DO, Gardner RM, Yount RA, et al:** Increased cyclic GMP in the end-plate region of denervated frog muscle.
J Neurobiol 9(6):445–51, Nov 78
ACETYLCHOLINE, metabolism/ ACETYLCHOLINE, pharmacodynamics/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ FROGS/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *MOTOR ENDPLATE, metabolism/ *MUSCLE DENERVATION/ *NEUROMUSCULAR JUNCTION, metabolism/ RECEPTORS, CHOLINERGIC, metabolism

53. **Allen LH, Raynolds WL, Margen S:** Polyethylene glycol as a quantitative fecal marker in human nutrition experiments.
Am J Clin Nutr 32(2):427–40, Feb 79
CALCIUM, metabolism/ CHROMIUM, diagnostic use/ COMPARATIVE STUDY/ DEFECATION/ *FECES/ FEMALE/ HUMAN/ IRON, metabolism/ MAGNESIUM, metabolism/ MALE/ NITROGEN, metabolism/ *NUTRITION/ *POLYETHYLENE GLYCOLS, diagnostic use/ SODIUM, metabolism/ TIME FACTORS/ ZINC, metabolism

54. **Allen RG, Herbert E, Hinman M, et al:** Coordinate control of corticotropin, beta-lipotropin, and beta-endorphin release in mouse pituitary cell cultures.
Proc Natl Acad Sci USA 75(10):4972–6, Oct 78
CELLS, CULTURED/ *CORTICOTROPIN, secretion/ DEXAMETHASONE, pharmacodynamics/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *ENDORPHINS, secretion/ HYPOTHALAMUS, physiology/ *LIPOTROPIN, secretion/ *PITUITARY GLAND, secretion/ RADIOIMMUNOASSAY/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASOPRESSINS, pharmacodynamics

55. **Allolio B, Winkelmann W, Fricke U, et al:** Cortisol-Plasmakonzentrationen bei Patienten mit primärer Nebennierenrinden-Insuffizienz unter einer Substitutionstherapie mit Cortisonacetat.
Verh Dtsch Ges Inn Med (84):1456–8, 1978 **(Ger)**
*ADRENAL CORTEX DISEASES, drug therapy/ ADRENAL GLAND HYPOFUNCTION, drug therapy/ ADULT/ AGED/ *CORTISONE, therapeutic use/ HUMAN/ *HYDROCORTISONE, blood/ MIDDLE AGE

56. **Alonso G, Assenmacher I:** Electron microscopic study of the orthograde axonal transport of horseradish peroxidase in the supraoptico-neurohypophysial tract of the rat.
Cell Tissue Res 194(3):525–31, 12 Dec 78
ANIMAL/ *AXOPLASMIC FLOW/ ENDOPLASMIC RETICULUM, metabolism/ HORSERADISH PEROXIDASE, metabolism/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ *HYPOTHALAMUS, metabolism/ *PITUITARY GLAND, POSTERIOR, metabolism/ RATS/ *SUPRAOPTIC NUCLEUS, metabolism

57. **Altenburg BC, Steiner S:** Cytochalasin B-induced multinucleation of murine sarcoma virus-transformed cells. Inhibition by sodium butyrate. Exp Cell Res 118(1):31–7, Jan 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analogs & derivatives/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *BUTYRATES, pharmacodynamics/ *CELL DIVISION, drug effects/ CELL LINE/ *CELL NUCLEUS, drug effects/ *CELL TRANSFORMATION, VIRAL/ *CYTOCHALASIN B, antagonists & inhibitors/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DNA, biosynthesis/ *KARYOKINESIS, drug effects/ MOUSE SARCOMA VIRUS

58. **Althoff PH, Neubauer M, Böttger B, et al:** Zur Langzeitbehandlung der Akromegalie mit Bromocriptin--Ergebnise und Erfahrungen nach 3 Jahren Therapie. Verh Dtsch Ges Inn Med (84):1441–6, 1978 **(Ger)**
*ACROMEGALY, drug therapy/ DRUG EVALUATION/ HUMAN/ *2-BROMOERGOCRYPTINE, therapeutic use

59. **Altman J, Bayer SA:** Development of the diencephalon in the rat. II. Correlation of the embryonic development of the hypothalamus with the time of origin of its neurons.
J Comp Neurol 182(4 Pt 2):973–93, 15 Dec 78
ANIMAL/ DIENCEPHALON, embryology/ GESTATIONAL AGE/ *HYPOTHALAMUS, embryology/ MALE/ MAMMILLARY BODIES, embryology/ PARAVENTRICULAR NUCLEUS, embryology/ PREOPTIC AREA, embryology/ RATS

60. **Altman J, Bayer SA:** Development of the diencephalon in the rat. III. Ontogeny of the specialized ventricular linings of the hypothalamic third ventricle. J Comp Neurol 182(4 Pt 2):995–1015, 15 Dec 78
ANIMAL/ AUTORADIOGRAPHY/ CELL DIFFERENTIATION/ *CEREBRAL VENTRICLES, growth & development/ EPENDYMA, cytology/ *HYPOTHALAMUS, growth & development/ MALE/ ONTOGENY/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

61. **Altman J, Bayer SA:** Development of the diencephalon in the rat. I. Autoradiographic study of the time of origin and settling patterns of neurons of the hypothalamus.
J Comp Neurol 182(4 Pt 2):945–71, 15 Dec 78
ANIMAL/ AUTORADIOGRAPHY/ COMPARATIVE STUDY/ GESTATIONAL AGE/ *HYPOTHALAMUS, embryology/ HYPOTHALAMUS, growth & development/ MAMMILLARY BODIES, embryology/ PARAVENTRICULAR NUCLEUS, embryology/ PREOPTIC AREA, embryology/ RATS/ SUPRAOPTIC NUCLEUS, embryology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

62. **Altura BM, Altura BT:** Interactions of locally produced humoral substances in regulation of the microcirculation. pp. 98–106.
In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977. (33 ref.)
ACETYLCHOLINE, pharmacodynamics/ ANGIOTENSINS, pharmacodynamics/ ANIMAL/ BRADYKININ, pharmacodynamics/ FEMALE/ GLUCOCORTICOIDS, pharmacodynamics/ HISTAMINE, pharmacodynamics/ INDOMETHACIN, pharmacodynamics/ KININS, pharmacodynamics/ MALE/ *MICROCIRCULATION, physiology/ MONOGRAPH/ NOREPINEPHRINE, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ RATS/ REVIEW/ SEROTONIN, pharmacodynamics/ *VASODILATION, drug effects/ VASOPRESSINS, pharmacodynamics

63. **Alurkar VM, Cherian G:** Corticosteroid therapy in acute myocardial infarction. J Assoc Physicians India 26(8):721–5, Aug 78
ACUTE DISEASE/ *ADRENAL CORTEX HORMONES, therapeutic use/ HUMAN/ *MYOCARDIAL INFARCTION, drug therapy

64. **Amano S, Hazama F, Haebara H, et al:** Ectopic ACTH-MSH producing carcinoid tumor with multiple endocrine hyperplasia in a child. Acta Pathol Jpn 28(5):721–30, Sep 78
*ADENOMA, pathology/ ADRENAL GLAND NEOPLASMS, pathology/ CARCINOID TUMOR, metabolism/ *CARCINOID TUMOR, pathology/ CASE REPORT/ CHILD/ *CORTICOTROPIN, biosynthesis/ DUODENAL NEOPLASMS, metabolism/ *DUODENAL NEOPLASMS, pathology/ *ENDOCRINE DISEASES, pathology/ FEMALE/ *HORMONES, ECTOPIC, biosynthesis/ HUMAN/ HYPERTROPHY/ *MSH, biosynthesis/ *NEOPLASMS, MULTIPLE PRIMARY, pathology/ PANCREATIC NEOPLASMS, pathology/ PARATHYROID NEOPLASMS, pathology/ PITUITARY NEOPLASMS, pathology/ THYROID NEOPLASMS, pathology

65. **Amano T:** [Neuronal cells in culture (author's transl)]
Tanpakushitsu Kakusan Koso 23(13):1312–21, 1978 (32 ref.) **(Jpn)**
ANIMAL/ CELL MEMBRANE, analysis/ CELLS, CULTURED/ CLONE CELLS/ CULTURE MEDIA/ GLIOMA, metabolism/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ MEMBRANE POTENTIALS/ MICE/ NEOPLASMS, EXPERIMENTAL, metabolism/ NEUROBLASTOMA, metabolism/ *NEURONS, cytology/ RATS/ RECEPTORS, ADRENERGIC, ALPHA, metabolism/ RECEPTORS, MUSCARINIC, metabolism/ REVIEW

66. **Amaresan MS, Muthu J, Bellarmine, et al:** Renal tubular acidosis with osteo dystrophy and metabolic myopathy (report of fifteen cases). J Assoc Physicians India 26(4):249–56, Apr 78
*ACIDOSIS, RENAL TUBULAR, complications/ FEMALE/ HUMAN/ MALE/ *MUSCULAR DISEASES, complications/ *RENAL OSTEODYSTROPHY, complications/ SYNDROME

67. **Ambach G, Palkovits M:** Blood supply of the rat hypothalamus. V. The medial hypothalamus (nucleus ventromedialis, nucleus dorsomedialis, nucleus perifornicalis).
Acta Morphol Acad Sci Hung 25(4):259–78, 1977
ANIMAL/ ARTERIES, anatomy & histology/ *HYPOTHALAMUS, blood supply/ *HYPOTHALAMUS, MEDIAL, blood supply/ RATS/ VEINS, anatomy & histology

68. **Ambach G, Kivovics P, Palkovits M:** The arterial and venous blood supply of the preoptic region in the rat.
Acta Morphol Acad Sci Hung 26(1):21–41, 1978
ANIMAL/ *ARTERIES, anatomy & histology/ *HYPOTHALAMUS, blood supply/ *PREOPTIC AREA, blood supply/ RATS, anatomy & histology/ *VEINS, anatomy & histology

69. **Amenta F, Caporuscio D, Ferrante F, et al:** Cholinergic nerves in the thyroid gland. Cell Tissue Res 195(2):367–70, 28 Dec 78
ACETYLCHOLINESTERASE, analysis/ *CHOLINERGIC FIBERS, anatomy & histology/ CHOLINERGIC FIBERS, enzymology/ HISTOCYTOCHEMISTRY/ HUMAN/ *THYROID GLAND, innervation

70. **Ames RP, Hill P:** Raised serum lipid concentrations during diuretic treatment of hypertension: a study of predictive indexes. Clin Sci Mol Med 55 Suppl 4:311s–314s, Dec 78
ADULT/ *CHOLESTEROL, blood/ DIURETICS, adverse effects/ FEMALE/ HUMAN/ *HYDROCHLOROTHIAZIDE, therapeutic use/ HYPERTENSION, complications/ *HYPERTENSION, drug therapy/ MALE/ MIDDLE AGE/ MYOCARDIAL INFARCTION, etiology/ RISK/ *SPIRONOLACTONE, therapeutic use/ *TRIGLYCERIDES, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

71. **Amino N, Yabu Y, Kuro R, et al:** T3/T4 ratio in thyroid disease [letter] Lancet 1(8107):107, Jan 79
COMPARATIVE STUDY/ DIAGNOSIS, DIFFERENTIAL/ FALSE NEGATIVE REACTIONS/ FEMALE/ GOITER, EXOPHTHALMIC, complications/ GOITER, EXOPHTHALMIC, diagnosis/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, etiology/ PREGNANCY/ PUERPERAL DISORDERS, diagnosis/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood

72. **Amiranoff B, Laburthe M, Dupont C, et al:** Characterization of a vasoactive intestinal peptide-sensitive adenylate cyclase in rat intestinal epithelial cell membranes.
Biochim Biophys Acta 544(3):474–81, 18 Dec 78
ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, antagonists & inhibitors/ *ADENYL CYCLASE, metabolism/ ANIMAL/ CALCIUM, pharmacodynamics/ CELL MEMBRANE, enzymology/ ENZYME ACTIVATION, drug effects/ *GASTROINTESTINAL HORMONES, pharmacodynamics/ *INTESTINAL MUCOSA, enzymology/ INTESTINAL MUCOSA, ultrastructure/ KINETICS/ MAGNESIUM, pharmacodynamics/ MALE/ RATS/ SUBSTRATE SPECIFICITY/ *VASOACTIVE INTESTINAL PEPTIDE, pharmacodynamics

73. **Ammon J, Frik W, Karstens JH, et al:**
Ganzkörper-computertomographie bei Erkrankungen des Urogenitalsystems. Urologe [A] 18(1):1–13, Jan 79 (Eng. Abstr.) **(Ger)**
ADENOCARCINOMA, radiography/ AORTIC ANEURYSM, radiography/ BLADDER NEOPLASMS, radiography/ COLONIC NEOPLASMS, radiography/ DYSGERMINOMA, radiography/ ENGLISH ABSTRACT/ HUMAN/ *KIDNEY DISEASES, radiography/ KIDNEY NEOPLASMS, radiography/ KIDNEY, injuries/ KIDNEY, CYSTIC, radiography/ LIPOSARCOMA, radiography/ LIVER NEOPLASMS, radiography/ LYMPHATIC METASTASIS/ LYMPHOMA, radiography/ MALE/ NEOPLASM METASTASIS/ *PROSTATIC NEOPLASMS, radiography/ *RETROPERITONEAL NEOPLASMS, radiography/ RHABDOMYOSARCOMA, radiography/ *TOMOGRAPHY, COMPUTERIZED AXIAL/ *UROLOGIC NEOPLASMS, radiography

74. **Amortegui AJ, Buffenmyer C:** Comparison of the antiseptic effect of two Iodophor preparations on hand washing in a well-baby nursery. JOGN Nurs 7(6):35–8, Nov-Dec 78
*ANTI-INFECTIVE AGENTS, LOCAL, standards/ EVALUATION STUDIES/ *HAND, microbiology/ HUMAN/ INFANT, NEWBORN/ *IODINE, therapeutic use/ *NURSERIES, HOSPITAL, standards/ PENNSYLVANIA/ *UMBILICUS,

microbiology

75. **Amsterdam A, Nimrod A, Lamprecht SA, et al:** Internalization and degradation of receptor-bound hCG in granulosa cell cultures. Am J Physiol 236(2):E129-38, Feb 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ CELLS, CULTURED/ FEMALE/ *GONADOTROPINS, CHORIONIC, metabolism/ *GRANULOSA CELLS, metabolism/ RATS/ RECEPTORS, HORMONE, metabolism/ TIME FACTORS

76. **Amstutz HE:** Experiences of a veterinary consultant to electric companies. Mod Vet Pract 59(10):767-9, Oct 78
ANIMAL/ ARSENICALS, poisoning/ CATTLE DISEASES, chemically induced/ *CATTLE DISEASES, etiology/ CATTLE, genetics/ CATTLE, physiology/ ELECTRIC INJURIES, veterinary/ *ELECTRICITY/ FEMALE/ LACTATION/ MALE/ PREGNANCY/ 2,4-DICHLOROPHENOXYACETIC ACID, poisoning

77. **Andahl RO:** The examination of saw marks. J Forensic Sci Soc 18(1-2):31-46, Jan-Apr 78
BONE AND BONES/ CRIMINOLOGY/ *FORENSIC MEDICINE/ *HOMICIDE/ HUMAN/ MALE

78. **Anderson DC:** The effect of alcohol on the hepatic metabolism of hormones. Eur J Clin Invest 8(5):267-8, Oct 78
*ALCOHOL, ETHYL, pharmacodynamics/ *ALCOHOLISM, metabolism/ *HORMONES, metabolism/ HUMAN/ LIVER, drug effects/ *LIVER, metabolism/ MALE

79. **Anderson DM, Smith LD:** Patterns of synthesis and accumulation of heterogeneous RNA in lampbrush stage oocytes of Xenopus laevis (Daudin). Dev Biol 67(2):274-85, Dec 78
ANIMAL/ CELL NUCLEUS, metabolism/ COMPARATIVE STUDY/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ OOCYTES, drug effects/ *OOCYTES, metabolism/ OOGENESIS/ *OVUM, metabolism/ *RNA, biosynthesis/ RNA, RIBOSOMAL, biosynthesis/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ XENOPUS

80. **Anderson NC Jr:** Physiologic basis of myometrial function. Semin Perinatol 2(3):211-22, Jul 78 (58 ref.)
ACTION POTENTIALS/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ CELL MEMBRANE PERMEABILITY/ ELECTROPHYSIOLOGY/ ESTROGENS, pharmacodynamics/ FEMALE/ MEMBRANE POTENTIALS/ MODELS, BIOLOGICAL/ *MYOMETRIUM, physiology/ OXYTOCIN, pharmacodynamics/ POTASSIUM, physiology/ PROGESTERONE, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS G, pharmacodynamics/ RABBITS/ RATS/ REVIEW/ SODIUM, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UTERINE CONTRACTION/ UTERINE CONTRACTION, drug effects/ *UTERUS, physiology

81. **Anderson RL, Kanerva RL:** Effect of nitrilotriacetate (NTA) on cation balance in the rat. Food Cosmet Toxicol 16(6):563-8, Dec 78
*ACETIC ACIDS, pharmacodynamics/ ANIMAL/ CALCIUM, metabolism/ *CATIONS, metabolism/ KIDNEY, drug effects/ MAGNESIUM, metabolism/ MALE/ *NITRILOTRIACETIC ACID, pharmacodynamics/ POTASSIUM, metabolism/ RATS/ SODIUM, metabolism/ *WATER-ELECTROLYTE BALANCE, drug effects/ ZINC, metabolism

82. **Anderson WP, Korner PI, Johnston CI, et al:** Intrarenal action of angiotensin II in restoring renal artery pressure after acute renal artery stenosis. Clin Exp Pharmacol Physiol 5(5):529-33, Sep-Oct 78
ANGIOTENSIN II, blood/ *ANGIOTENSIN II, physiology/ ANIMAL/ *BLOOD PRESSURE/ DOGS/ GLOMERULAR FILTRATION RATE/ KIDNEY, physiology/ RENAL ARTERY OBSTRUCTION/ RENIN, blood/ SARALASIN, pharmacodynamics/ SQ 20881, pharmacodynamics

83. **Andjelkovic S:** Odnos lečenja habitualnih i spontanih pobačaja Gestanonom na težinu ploda dece. Srp Arh Celok Lek 106(1):53-5, 1978 (Eng. Abstr.) **(Sec)**
*ABORTION, HABITUAL, prevention & control/ ADULT/ ALLYLESTRENOL, pharmacodynamics/ *ALLYLESTRENOL, therapeutic use/ *BIRTH WEIGHT, drug effects/ ENGLISH ABSTRACT/ *ESTRENES, therapeutic use/ FEMALE/ HUMAN/ INFANT, NEWBORN/ PREGNANCY

84. **Andler W, Zachmann M:** Spontaneous breast development in an adolescent girl with testicular feminization after castration in early childhood. J Pediatr 94(2):304-5, Feb 79
ADOLESCENCE/ ADRENAL GLANDS, secretion/ *BREAST, growth & development/ CASE REPORT/ *CASTRATION/ ESTRADIOL, blood/ HUMAN/ MALE/ TESTICULAR FEMINIZATION, blood/ *TESTICULAR FEMINIZATION, physiopathology

85. **Andor J:** Pharmakologie und klinische Anwendung von Gestagen-Depot-Präparaten. Gynaekol Rundsch 18(3-4):163-71, 1978 **(Ger)**
BODY WEIGHT, drug effects/ CERVIX MUCUS, drug effects/ *CONTRACEPTIVE AGENTS, FEMALE, administration & dosage/ DELAYED-ACTION PREPARATIONS/ ENDOMETRIUM, drug effects/ FEMALE/ HUMAN/ *MEDROXYPROGESTERONE, administration & dosage/ MEDROXYPROGESTERONE, adverse effects/ MENORRHAGIA, chemically induced/ MENSTRUATION, drug effects/ *NORETHINDRONE, administration & dosage/ NORETHINDRONE, adverse effects/ OVULATION, drug effects

86. **Andrews AH:** Warble fly: the life cycle, distribution, economic losses and control. Vet Rec 103(16):348-53, 14 Oct 78 (52 ref.)
ANIMAL/ CATTLE DISEASES, prevention & control/ CATTLE/ DEER/ DIPTERA, growth & development/ *DIPTERA, physiology/ ECONOMICS/ HORSE DISEASES, prevention & control/ HORSES/ HUMAN/ HYPODERMYIASIS, prevention & control/ HYPODERMYIASIS, veterinary/ *INSECT CONTROL/ INSECTICIDES, ORGANOTHIOPHOSPHATE/ LACTATION/ MEAT/ REVIEW/ ROTENONE/ SKIN, parasitology

87. **Angelov E:** Ranen efekt na adrenalektomiiata i kastratsiiata vurkhu demetilirashtata aktivnost na chernodrobna mikrozomna fraktsiia ot muzhki plukhove. Eksp Med Morfol 17(4):182-6, 1978 (Eng. Abstr.) **(Bul)**
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL/ CASTRATION/ CYTOCHROME P-450, metabolism/ CYTOCHROMES, metabolism/ ENGLISH ABSTRACT/ MALE/ *MICROSOMES, LIVER, metabolism/ RATS/ *TESTIS, physiology/ TIME FACTORS

88. **Anhut H, Peskar BA, Bernauer W:** Release of 15-keto-13, 14-dihydro-thromboxane B2 and prostaglandin D2 during anaphylaxis as measured by radioimmunoassay. Naunyn Schmiedebergs Arch Pharmacol 305(3):247-52, 27 Dec 78
*ANAPHYLAXIS, metabolism/ ANIMAL/ GUINEA PIGS/ IN VITRO/ LUNG, metabolism/ MYOCARDIUM, metabolism/ *PROSTAGLANDINS D, metabolism/ *PROSTAGLANDINS, metabolism/ RADIOIMMUNOASSAY/ THROMBOXANE B2, analogs & derivatives/ *THROMBOXANE B2, metabolism/ *THROMBOXANES, metabolism

89. **Ani M, Butterworth PJ, Thomas PJ:** Role of dopamine-sensitive adenylate cyclase in the sexual differentiation of the brain [proceedings] J Endocrinol 79(2):31P-32P, Nov 78
*ADENYL CYCLASE, physiology/ ANIMAL/ *ANIMALS, NEWBORN, growth & development/ *BRAIN, growth & development/ ESTRADIOL, physiology/ FEMALE/ MALE/ RATS/ *SEX DIFFERENTIATION

90. **Anne L, Bekhor I:** Induction of cleft palates: effects of triamcinolone acetonide on transcription in isolated nuclei. Teratology 18(3):343-52, Dec 78
ANIMAL/ CELL NUCLEUS, enzymology/ CELL NUCLEUS, metabolism/ *CLEFT PALATE, chemically induced/ FEMALE/ LIVER, enzymology/ LIVER, metabolism/ MATERNAL-FETAL EXCHANGE/ *MAXILLA, embryology/ MAXILLA,

enzymology/ MAXILLA, metabolism/ MICE/ MICE, INBRED A/ PREGNANCY/ RNA POLYMERASES, metabolism/ *TRANSCRIPTION, GENETIC, drug effects/ *TRIAMCINOLONE ACETONIDE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

91. **Anthony CJ:** Risk factors associated with breast cancer. Nurse Pract 3(4):31–2, Jul–Aug 78
ADULT/ AGE FACTORS/ BREAST DISEASES, complications/ BREAST NEOPLASMS, chemically induced/ BREAST NEOPLASMS, etiology/ BREAST NEOPLASMS, familial & genetic/ *BREAST NEOPLASMS, occurrence/ CYSTS, complications/ ESTROGENS, adverse effects/ FEMALE/ HUMAN/ MEDICAL HISTORY TAKING/ MIDDLE AGE/ PARITY/ RISK

92. **Antipenko AE, Bubeev IuA, Korovkin BF, et al:** Sistema tsAMF v myshechnoĭ tkani pri dlitel'noĭ gipokinezii. Vopr Med Khim 24(6):765–8, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ ADENYL CYCLASE, metabolism/ ANIMAL/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ EPINEPHRINE, pharmacodynamics/ *MUSCLES, analysis/ MUSCLES, enzymology/ RATS/ *RESTRAINT, PHYSICAL/ TIME FACTORS/ 3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism

93. **Anton E:** Early ultrastructural changes in the rat testis after ductuli efferentes ligation. Fertil Steril 31(2):187–94, Feb 79
ANIMAL/ LEYDIG CELLS, ultrastructure/ LIGATION, adverse effects/ MALE/ RATS/ SERTOLI CELLS, ultrastructure/ *STERILIZATION, SEXUAL, adverse effects/ *TESTIS, surgery/ *TESTIS, ultrastructure

94. **Antoni H:** Entstehungsursachen des elektrischen Feldes der Herzmuskelfaser. Verh Dtsch Ges Kreislaufforsch 44:1–8, 1978 **(Ger)**
ACTION POTENTIALS/ CALCIUM, metabolism/ ELECTROPHYSIOLOGY/ *HEART, physiology/ HUMAN/ ION CHANNELS, physiology/ MYOCARDIAL CONTRACTION/ SODIUM, metabolism

95. **Antonucci F, Vezzadini P, Cecchettin M, et al:** Gastric acid secretion, calcitonin and secondary hyperparathyroidism in uremic patients undergoing regular dialysis therapy (RDT). Int J Artif Organs 1(6):260–5, Nov 78
ADULT/ ALKALINE PHOSPHATASE, blood/ ANTIGENS/ CALCITONIN, blood/ *CALCITONIN, secretion/ CALCIUM, blood/ *GASTRIC JUICE, secretion/ GASTRINS, blood/ GASTRINS, immunology/ *HEMODIALYSIS/ HUMAN/ *HYPERPARATHYROIDISM, SECONDARY, metabolism/ MAGNESIUM, blood/ MALE/ MIDDLE AGE/ PARATHYROID HORMONE, blood/ PENTAGASTRIN, diagnostic use/ PHOSPHATES, blood/ *UREMIA, metabolism/ UREMIA, therapy

96. **Antony P, Schimassek H:** Ornithine decarboxylase activity in rat liver during phalloidin poisoning. Cytobiologie 18(2):244–53, Dec 78
ANIMAL/ ANIMALS, NEWBORN/ *CARBOXY-LYASES, metabolism/ COMPARATIVE STUDY/ DIAMINES, pharmacodynamics/ FEMALE/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ *OLIGOPEPTIDES, poisoning/ *ORNITHINE DECARBOXYLASE, metabolism/ *PHALLOIDINE, poisoning/ RATS/ S-ADENOSYLMETHIONINE DECARBOXYLASE, metabolism/ SOMATOTROPIN, pharmacodynamics/ *SOMATOTROPIN, therapeutic use

97. **Aono T, Shioji T, Kurachi K:** [Hyperprolactinemia and gonadal functions] Horumon To Rinsho 26(10):1021–7, Oct 78 **(Jpn)**
*AMENORRHEA, blood/ AMENORRHEA, complications/ FEMALE/ FSH, blood/ *GALACTORRHEA, blood/ GALACTORRHEA, complications/ HUMAN/ *LACTATION DISORDERS, blood/ LH, blood/ PREGNANCY/ *PROLACTIN, blood

98. **Apinyacharti P, Baxter RC:** Comparison of three iodination methods for human somatotropin. Clin Chem 25(1):161–3, Jan 79
COMPARATIVE STUDY/ HUMAN/ IODINE RADIOISOTOPES/ ISOTOPE LABELING, methods/ RADIOIMMUNOASSAY/ *SOMATOTROPIN

99. **Apitz-Castro R, De Murciano A:** Modulation of platelet responsiveness through selective phosphorylation of plasma membrane proteins. Biochim Biophys Acta 544(3):529–39, 18 Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *BLOOD PLATELETS, metabolism/ CELL MEMBRANE, metabolism/ GLYCOPROTEINS, metabolism/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ HUMAN/ *MEMBRANE PROTEINS, blood/ MEMBRANE PROTEINS, metabolism/ MOLECULAR WEIGHT/ PHOSPHORYLATION/ PLATELET AGGREGATION, drug effects/ PROSTAGLANDINS E, pharmacodynamics/ PROTEIN KINASE, metabolism

100. **Arai S, Uno M:** [A case of Bartter's syndrome with various psychotic symptoms (author's transl)] Seishin Shinkeigaku Zasshi 80(10):583–93, 1978 (Eng. Abstr.) **(Jpn)**
ACID-BASE EQUILIBRIUM/ ADULT/ BARTTER'S DISEASE, blood/ *BARTTER'S DISEASE, complications/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM, complications/ POTASSIUM, blood/ *PSYCHOSES, ORGANIC, etiology

101. **Arch JR, Newsholme EA:** The control of the metabolism and the hormonal role of adenosine. Essays Biochem 14:82–123, 1978 (198 ref.) (Eng. Abstr.)
ADENOSINE DEAMINASE, metabolism/ ADENOSINE KINASE/ ADENOSINE MONOPHOSPHATE, metabolism/ ADENOSINE, metabolism/ *ADENOSINE, physiology/ ANIMAL/ BIOLOGICAL TRANSPORT/ CELL MEMBRANE, metabolism/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ *HORMONES/ HUMAN/ KINETICS/ NUCLEOTIDASES, metabolism/ RATS/ REVIEW/ SPECIES SPECIFICITY/ TISSUE DISTRIBUTION

102. **Archibald SD, Jirsch DW, Bear RA:** Gastrointestinal complications of renal transplantation. 1. The upper gastrointestinal tract. Can Med Assoc J 119(11):1291–6, 9 Dec 78
ADOLESCENCE/ ADULT/ ANTI-ULCER AGENTS, therapeutic use/ CADAVER/ DUODENAL ULCER, drug therapy/ DUODENAL ULCER, etiology/ DUODENAL ULCER, surgery/ FEMALE/ FOLLOW-UP STUDIES/ *GASTROINTESTINAL DISEASES, etiology/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, administration & dosage/ *KIDNEY, transplantation/ MALE/ MIDDLE AGE/ PEPTIC ULCER, drug therapy/ PEPTIC ULCER, etiology/ PEPTIC ULCER, surgery/ *POSTOPERATIVE COMPLICATIONS/ PREDNISONE, adverse effects/ TRANSPLANTATION, ALLOGENEIC

103. **Arendash GW, Gallo RV:** A characterization of the effects of pentobarbital on episodic LH release in ovariectomized rats. Neuroendocrinology 27(5–6):204–15, 1978
ANIMAL/ *CASTRATION/ FEMALE/ KINETICS/ *LH, blood/ *PENTOBARBITAL, pharmacodynamics/ PERIODICITY/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

104. **Arendt J, Symons AM, Wirz-Justice A, et al:** Radioimmunoassayable melatonin in various species [proceedings] J Endocrinol 79(2):25P–26P, Nov 78
ANIMAL/ CIRCADIAN RHYTHM/ FEMALE/ HUMAN/ *MELATONIN, blood/ RADIOIMMUNOASSAY/ RATS/ SHEEP/ SPECIES SPECIFICITY

105. **Arie R, Hoogervorst-Spalter H, Kaufmann H, et al:** Metabolism of cortisol by human thrombocytes. Metabolism 28(1):67–9, Jan 79
*BLOOD PLATELETS, metabolism/ CHROMATOGRAPHY, THIN LAYER/ HUMAN/ *HYDROCORTISONE, blood/ NAD/ NADP

106. **Aringer L:** 7-Hydroxylation of 3-oxygenated C27-, C28-, and C29-steroids in rat liver 18,000 g supernate. J Lipid Res 19(8):933–44, Nov 78
ANIMAL/ CARBON RADIOISOTOPES/

CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ HYDROXYLATION/ MALE/ *MICROSOMES, LIVER, metabolism/ RATS/ SPECTRUM ANALYSIS, MASS/ *STEROIDS, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRITIUM

107. **Arinze IJ, Raghunathan R, Russell JD:** Induction of mitochondrial phosphoenolpyruvate carboxykinase in cultured human fibroblasts. Biochim Biophys Acta 521(2):792–804, 21 Dec 78
CELLS, CULTURED/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ ENZYME INDUCTION, drug effects/ HUMAN/ HYDROCORTISONE, pharmacodynamics/ INSULIN, pharmacodynamics/ MITOCHONDRIA, drug effects/ *MITOCHONDRIA, enzymology/ *PHOSPHOENOLPYRUVATE CARBOXYKINASES, biosynthesis/ THEOPHYLLINE, pharmacodynamics

108. **Arlart I, Rosenthal J, Pal S, et al:** Einfluss von Somatostatin auf Renin, Aldosteron und Blutdruck bei unilateraler renovaskulärer Hypertonie. Verh Dtsch Ges Inn Med (84):824–7, 1978 **(Ger)**
ADULT/ *ALDOSTERONE, analysis/ FEMALE/ HUMAN/ *HYPERTENSION, RENAL, metabolism/ *HYPERTENSION, RENOVASCULAR, metabolism/ MALE/ MIDDLE AGE/ *RENIN, analysis/ *SOMATOTROPIN RELEASE INHIBITING HORMONE, pharmacodynamics

109. **Arlart IP, Rosenthal J, Wagner H, et al:** Effect of saralasin on plasma renin activity and arginine-vasopressin in hypertensive man. Proc Eur Dial Transplant Assoc 15:412–7, 1978
ADOLESCENCE/ ADULT/ *ANGIOTENSIN II, analogs & derivatives/ *ARGIPRESSIN, blood/ FEMALE/ HUMAN/ *HYPERTENSION, blood/ HYPERTENSION, RENOVASCULAR, blood/ MALE/ MIDDLE AGE/ RECEPTORS, ANGIOTENSIN, drug effects/ *RENIN, blood/ *SARALASIN, pharmacodynamics

110. **Armario A, Flos R, Balasch J:** Stress simulation: ACTH and zinc effect on trace metals in liver and spleen. Rev Esp Fisiol 34(4):395–9, Dec 78
ANIMAL/ *CORTICOTROPIN, pharmacodynamics/ INJECTIONS, SUBCUTANEOUS/ LIVER, analysis/ *LIVER, metabolism/ MALE/ RATS/ SPLEEN, analysis/ *SPLEEN, metabolism/ *TRACE ELEMENTS, analysis/ *ZINC, pharmacodynamics

111. **Armijo M, Herrera E, Naranjo R, et al:** Tricofoliculoma. Actas Dermosifiliogr 69(9–10):265–72, Sep–Oct 78 (Eng. Abstr.) **(Spa)**
ADULT/ CASE REPORT/ CHILD, PRESCHOOL/ *EAR NEOPLASMS, pathology/ ENGLISH ABSTRACT/ FEMALE/ *GRANULOSA CELL TUMOR, pathology/ HUMAN/ MALE/ *NOSE NEOPLASMS, pathology/ *SKIN NEOPLASMS, pathology

112. **Armstrong RW, McCallion DJ, YoungLai EV:** Morphological changes in the rabbit ovary after active immunization to testosterone. Cell Tissue Res 193(3):533–42, 30 Oct 78
ANIMAL/ ANTIBODY FORMATION/ FEMALE/ GRAAFIAN FOLLICLE, growth & development/ IMMUNIZATION/ ORGAN WEIGHT/ OVARY, anatomy & histology/ *OVARY, growth & development/ RABBITS/ *TESTOSTERONE, immunology/ UTERUS, anatomy & histology

113. **Arner P, Engfeldt P, Ostman J:** Relationship between lipolysis, cyclic AMP, and fat-cell size in human adipose tissue during fasting and in diabetes mellitus. Metabolism 28(3):198–209, Mar 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ADIPOSE TISSUE, pathology/ ADULT/ *DIABETES MELLITUS, metabolism/ DIABETES MELLITUS, pathology/ *DIABETES MELLITUS, JUVENILE, metabolism/ DIABETES MELLITUS, JUVENILE, pathology/ FASTING/ FEMALE/ HUMAN/ ISOPROTERENOL, pharmacodynamics/ *LIPID MOBILIZATION/ LIPID MOBILIZATION, drug effects/ MALE/ NOREPINEPHRINE, pharmacodynamics

114. **Aronstam RS, Kellogg C, Abood LG:** Development of muscarinic cholinergic receptors in inbred strains of mice: identification of receptor heterogeneity and relation to audiogenic seizure susceptibility. Brain Res 162(2):231–41, 23 Feb 79
*ACOUSTIC STIMULATION, adverse effects/ AGING/ ANIMAL/ *ANIMALS, NEWBORN/ BRAIN STEM, metabolism/ *BRAIN, metabolism/ CARBACHOL, metabolism/ CARBACHOL, pharmacodynamics/ CEREBRAL CORTEX, metabolism/ *CONVULSIONS, metabolism/ CORPUS STRIATUM, metabolism/ HYPOTHALAMUS, metabolism/ MICE/ MICE, INBRED C57BL/ MICE, INBRED DBA/ QUINUCLIDINES, metabolism/ *RECEPTORS, CHOLINERGIC, metabolism/ RECEPTORS, MUSCARINIC, drug effects/ *RECEPTORS, MUSCARINIC, metabolism/ THALAMUS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

115. **Arslan M, Lobo J, Zaidi AA, et al:** Annual androgen rhythm in the spiny-tailed lizard, Uromastix hardwicki. Gen Comp Endocrinol 36(1):16–22, Sep 78
ANIMAL/ *LIZARDS, physiology/ MALE/ ORGAN WEIGHT/ PERIODICITY/ SEASONS/ SPERMATOGENESIS/ TESTIS, physiology/ *TESTOSTERONE, physiology

116. **Arulanantham K, Dwyer JM, Genel M:** Evidence for defective immunoregulation in the syndrome of familial candidiasis endocrinopathy. N Engl J Med 300(4):164–8, 25 Jan 79
ADOLESCENCE/ ADRENAL GLAND HYPOFUNCTION, complications/ ADRENAL GLAND HYPOFUNCTION, familial & genetic/ ADULT/ *AUTOIMMUNE DISEASES/ CHILD/ CHILD, PRESCHOOL/ CHRONIC DISEASE/ *ENDOCRINE DISEASES, complications/ ENDOCRINE DISEASES, familial & genetic/ ENDOCRINE DISEASES, immunology/ FEMALE/ HEPATITIS, complications/ HEPATITIS, familial & genetic/ HEPATITIS, immunology/ HUMAN/ HYPOPARATHYROIDISM, complications/ HYPOPARATHYROIDISM, familial & genetic/ IMMUNITY, CELLULAR/ *IMMUNOLOGIC DEFICIENCY SYNDROMES, familial & genetic/ MALE/ *MONILIASIS, CUTANEOUS, complications/ MONILIASIS, CUTANEOUS, familial & genetic/ MONILIASIS, CUTANEOUS, immunology/ PEDIGREE/ SYNDROME/ T-LYMPHOCYTES, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

117. **Asch RH, Bryner J, Watatani H, et al:** Dynamic hormonal tests in a case of premature ovarian failure. South Med J 72(1):72–4, Jan 79
ADULT/ CASE REPORT/ FEMALE/ *GONADOTROPINS, CHORIONIC, diagnostic use/ HUMAN/ *MENOPAUSE/ *MENOPAUSE, PREMATURE/ OVARY, drug effects/ *OVARY, metabolism/ OVARY, physiopathology/ PROLACTIN, diagnostic use/ *SEX HORMONES, metabolism

118. **El-Asfouri S, McInnis BC, Kapadia AS:** Stochastic compartmental modeling and parameter estimation with application to cancer treatment follow-up studies. Bull Math Biol 41(2):203–15, 1979
FOLLOW-UP STUDIES/ HUMAN/ *MODELS, BIOLOGICAL/ NEOPLASMS, mortality/ *NEOPLASMS, therapy/ *PROBABILITY/ *STOCHASTIC PROCESSES/ TESTICULAR NEOPLASMS, mortality/ TESTICULAR NEOPLASMS, therapy/ UNITED STATES GOV'T SUPPORTED

119. **Ashe JR, Schofield FA, Gram MR:** The retention of calcium, iron, phosphorus, and magnesium during pregnancy: the adequacy of prenatal diets with and without supplementation. Am J Clin Nutr 32(2):286–91, Feb 79
ADULT/ *CALCIUM, metabolism/ CALCIUM, therapeutic use/ DIET/ FEMALE/ HUMAN/ *IRON, metabolism/ IRON, therapeutic use/ *MAGNESIUM, metabolism/ NITROGEN, metabolism/ NUTRITIONAL REQUIREMENTS/ *PHOSPHORUS, metabolism/ *PREGNANCY/ PRENATAL CARE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

120. **Ashida S, Abiko Y:** Effect of ticlopidine and acetylsalicylic acid on generation of prostaglandin I2-like substance in rat

arterial tissue. Thromb Res 13(5):901–8, Nov 78
ANIMAL/ *ASPIRIN, pharmacodynamics/ *CAROTID ARTERIES, drug effects/ MALE/ *PLATELET AGGREGATION/ *PROSTAGLANDINS X, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ *PYRIDINES, pharmacodynamics/ RATS/ *THIOPHENES, pharmacodynamics/ TISSUE EXTRACTS, pharmacodynamics

121. **Ashmarin IP, Eropkin MIu, Kovaleva TA, et al:** Oligopeptidy mozga--anal'getiki, stimuliatory pamiati i sna. Mol Biol (Mosk) 12(5):965–79, Sep–Oct 78 (80 ref.) (Eng. Abstr.) **(Rus)**
*ANALGESICS/ ANIMAL/ *BRAIN, physiology/ ENDORPHINS, physiology/ ENGLISH ABSTRACT/ ENKEPHALINS, physiology/ *MEMORY/ MEMORY, drug effects/ OLIGOPEPTIDES, pharmacodynamics/ *OLIGOPEPTIDES, physiology/ REVIEW/ *SLEEP/ SLEEP, drug effects

122. **A:son Berg A, Helmius G, Johansson I, et al:** Skolgynekologisk mottagning--bra komplement till övrig skolhälsovård. Lakartidningen 76(7):516–8, 14 Feb 79 (Eng. Abstr.) **(Swe)**
ADOLESCENCE/ ADULT/ AMBULATORY CARE/ CONTRACEPTIVE DEVICES/ CONTRACEPTIVES, ORAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ PREGNANCY IN ADOLESCENCE/ PREGNANCY/ *SCHOOL HEALTH SERVICES/ SCHOOL HEALTH SERVICES, economics/ SCHOOL HEALTH SERVICES, organization & administration/ SWEDEN

123. **Asratian EA, Simonov PV:** Sostoianie i perspektivy izucheniia zakonomernostei vysshei nervnoi deiatel'nosti po dolgosrochnoi programme 'Mozg'. Zh Vyssh Nerv Deiat 28(6):1143–50, Nov–Dec 78 **(Rus)**
ANIMAL/ BRAIN MAPPING/ *BRAIN, physiology/ CONDITIONING, CLASSICAL, physiology/ DISEASE MODELS, ANIMAL/ EMOTIONS, physiology/ GENETICS, BEHAVIORAL/ *HIGHER NERVOUS ACTIVITY/ HUMAN/ HYPOTHALAMUS, physiology/ LIMBIC SYSTEM, physiology/ MONKEYS/ MOTIVATION, physiology/ NEUROHUMORS, pharmacodynamics/ NEUROSES, physiopathology

124. **Astaldi A, Astaldi GC, Wijermans P, et al:** Experiences with thymosin in primary immunodeficiency disease. Cancer Treat Rep 62(11):1779–85, Nov 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ IMMUNOLOGIC DEFICIENCY SYNDROMES, blood/ *IMMUNOLOGIC DEFICIENCY SYNDROMES, drug therapy/ IMMUNOLOGIC DEFICIENCY SYNDROMES, immunology/ IN VITRO/ INFANT/ INFANT, NEWBORN/ MALE/ MICE/ *T-LYMPHOCYTES, drug effects/ T-LYMPHOCYTES, immunology/ T-LYMPHOCYTES, metabolism/ *THYMOSIN, pharmacodynamics/ *THYMUS HORMONES, pharmacodynamics

125. **Aston SR, Brazier PH:** Endemic goitre, the factors controlling iodine deficiency in soils. Sci Total Environ 11(1):99–104, Jan 79
CARBON, analysis/ ENGLAND/ *GOITER, ENDEMIC, etiology/ HUMAN/ *IODINE, analysis/ METHODS/ *SOIL, analysis

126. **Al-Aswad BI, Weinger JM, Schneider AB:** Slipped capital femoral epiphysis in a 35-year-old man (a case report). Clin Orthop (134):131–4, Jul–Aug 78
ADULT/ CASE REPORT/ EPIPHYSES, SLIPPED, etiology/ EPIPHYSES, SLIPPED, radiography/ *EPIPHYSES, SLIPPED, surgery/ *FEMUR HEAD/ HIP JOINT, radiography/ HIP JOINT, surgery/ HUMAN/ HYPOTHYROIDISM, complications/ HYPOTHYROIDISM, diagnosis/ MALE

127. **Atakhanova BA, Turakulov IaKh, Tashmukhamedova M, et al:** Biosintez belkov v beskletochnoi beloksinteziruiushcheĭ sisteme iz kletok raka shchitovidnoĭ zhelezy. Vopr Med Khim 24(6):802–6, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
*ADENOCARCINOMA, metabolism/ *ALBUMINS, biosynthesis/ CASE REPORT/ CELL-FREE SYSTEM/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ *NEOPLASM PROTEINS, biosynthesis/ THYROGLOBULIN, biosynthesis/ *THYROID NEOPLASMS, metabolism

128. **Atanasov N, Ianakieva M, Chakurov S, et al:** Sovremenni nasoki v lechenieto na kartsinoma na prostatnata zhleza. Khirurgiia (Sofiia) 31(5):392–8, 1978 **(Bul)**
ANDROGEN ANTAGONISTS, therapeutic use/ ANTINEOPLASTIC AGENTS, therapeutic use/ CARCINOMA, pathology/ *CARCINOMA, therapy/ CASTRATION/ DRUG THERAPY, COMBINATION/ HUMAN/ MALE/ PALLIATIVE TREATMENT/ PROSTATECTOMY/ PROSTATIC NEOPLASMS, pathology/ *PROSTATIC NEOPLASMS, therapy

129. **Atkinson RN, Paterson DC, Morris LL, et al:** Bone scintigraphy in discitis and related disorders in children. Aust NZ J Surg 48(4):374–7, Aug 78
ADOLESCENCE/ *BONE AND BONES, radionuclide imaging/ CHILD/ CHILD, PRESCHOOL/ EOSINOPHILIC GRANULOMA, radionuclide imaging/ FEMALE/ HUMAN/ INFANT/ *INTERVERTEBRAL DISK/ INTERVERTEBRAL DISK, radionuclide imaging/ MALE/ OSTEOMA, OSTEOID, radionuclide imaging/ SCHEUERMANN'S DISEASE, radionuclide imaging/ *SPINAL DISEASES, radionuclide imaging/ SPINAL NEOPLASMS, radionuclide imaging/ SPONDYLITIS, radionuclide imaging

130. **Atlas SA, Laragh JH, Sealey JE:** Activation of inactive plasma renin: evidence that both cryoactivation and acid-activation work by liberating a neutral serine protease from endogenous inhibitors. Clin Sci Mol Med 55 Suppl 4:135s–138s, Dec 78
COLD/ ENZYME ACTIVATION, drug effects/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERTENSION, blood/ KINETICS/ *PEPTIDE HYDROLASES, blood/ PROTEASE INHIBITORS, blood/ PROTEASE INHIBITORS, pharmacodynamics/ *RENIN, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

131. **Attwood EC, Seddon RM, Probert DE:** The T4/TBG ratio and the investigation of thyroid function. Clin Biochem 11(5):218–21, Oct 78
COMPARATIVE STUDY/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ MALE/ MYXEDEMA, blood/ PREGNANCY/ SEX FACTORS/ THYROID FUNCTION TESTS, methods/ *THYROID GLAND, physiology/ *THYROXINE BINDING PROTEIN, analysis/ *THYROXINE, blood

132. **Attwood EC, Probert DE:** An assessment under routine conditions of an immunoelectrophoretic assay for thyroxine-binding globulin. Clin Biochem 11(6):226–9, Dec 78
ADOLESCENCE/ ADULT/ AGED/ AGING/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IMMUNOELECTROPHORESIS/ INFANT/ INFANT, NEWBORN/ MALE/ METHODS/ MIDDLE AGE/ *SERUM GLOBULINS, analysis/ SEX FACTORS/ *THYROXINE BINDING PROTEIN, analysis/ TRIIODOTHYRONINE, diagnostic use

133. **Audhya TK, Walter R:** Neurophysin.lipid complexes. Characterization of lipid-containing neurophysin from rat posterior pituitary, delipidation, and reaggregation. J Biol Chem 254(2):291–8, 25 Jan 79
ANIMAL/ CHOLESTEROL, analysis/ FATTY ACIDS, NONESTERIFIED, analysis/ GEL DIFFUSION TESTS/ *LIPIDS, analysis/ *NEUROPHYSINS, analysis/ PHOSPHOLIPASE/ PHOSPHOLIPIDS, analysis/ *PITUITARY GLAND, POSTERIOR, analysis/ PROTEIN BINDING/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

134. **Audy MC:** Variations saisonnières de la testostérone plasmatique chez la fouine. C R Acad Sci [D] (Paris) 287(7):721–4, 2 Oct 78 (Eng. Abstr.) **(Fre)**
ANIMAL/ ENGLISH ABSTRACT/ FEMALE/ PERIODICITY/ REPRODUCTION/ SEASONS/ *TESTOSTERONE, blood

135. **Aupetit B, Duchier J, Legrand JC:** Action des spironolactones sur la synthèse de l'aldostérone et sur le métabolisme surrénalien. Ann Endocrinol (Paris) 39(5):355–72, 1978 (Eng. Abstr.) **(Fre)**
ADRENAL GLANDS, drug effects/ *ADRENAL

GLANDS, metabolism/ *ALDOSTERONE ANTAGONISTS, pharmacodynamics/ *ALDOSTERONE, biosynthesis/ ANIMAL/ CANRENOATE POTASSIUM, pharmacodynamics/ CANRENONE, pharmacodynamics/ DUCKS/ ENGLISH ABSTRACT/ HYDROXYLATION/ MITOCHONDRIA, drug effects/ MITOCHONDRIA, metabolism/ MITOCHONDRIA, ultrastructure/ MITOCHONDRIA, LIVER, drug effects/ OXIDATIVE PHOSPHORYLATION, drug effects/ SHEEP/ SPIRONOLACTONE, pharmacodynamics/ STEROID HYDROXYLASES, metabolism

136. **Austin GA, Shires GT 3d, Johnson SM, et al:** The effect of abdominal evisceration or adrenalectomy on insulin choleresis. Proc Soc Exp Biol Med 160(1):50–4, Jan 79
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL/ BILE ACIDS AND SALTS, secretion/ *BILE, secretion/ BLOOD SUGAR, metabolism/ DOGS/ *GASTROINTESTINAL SYSTEM, physiology/ HYDROCORTISONE, blood/ *INSULIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

137. **Averback P, Wight DG:** Seminiferous tubule hypercurvature: A newly recognised common syndrome of human male infertility. Lancet 1(8109):181–3, 27 Jan 79
ANIMAL/ ANTHROPOMETRY, methods/ CELL COUNT/ HUMAN/ MALE/ RATS/ *SEMINIFEROUS TUBULES, abnormalities/ SEMINIFEROUS TUBULES, pathology/ *STERILITY, MALE, etiology/ STERILITY, MALE, pathology/ *TESTIS, abnormalities

138. **Averback P, Olivier A:** Metastatic intracranial seminoma. Arch Neurol 36(1):40, Jan 79
ADULT/ *BRAIN NEOPLASMS, pathology/ BRAIN NEOPLASMS, surgery/ CASE REPORT/ *DYSGERMINOMA, pathology/ DYSGERMINOMA, surgery/ HUMAN/ MALE/ NEOPLASM METASTASIS/ TESTICULAR NEOPLASMS, therapy

139. **Avioli LV:** Childhood renal osteodystrophy. Kidney Int 14(4):355–60, Oct 78 (45 ref.)
BONE AND BONES, pathology/ BONE DEVELOPMENT/ CHILD/ COMPARATIVE STUDY/ FEMALE/ GROWTH DISORDERS, etiology/ HUMAN/ OSTEOBLASTS, physiology/ OSTEOCLASTS, physiology/ PREGNANCY/ RENAL OSTEODYSTROPHY, enzymology/ RENAL OSTEODYSTROPHY, etiology/ *RENAL OSTEODYSTROPHY, physiopathology/ REVIEW/ RICKETS, pathology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

140. **Avioli LV:** Management of osteomalacia. Hosp Pract 14(1):109–14, Jan 79
ADOLESCENCE/ ADULT/ ANTACIDS, adverse effects/ ANTICONVULSANTS, adverse effects/ CELIAC DISEASE, complications/ CHILD/ CHRONIC DISEASE/ DIET/ HUMAN/ INTESTINAL DISEASES, complications/ KIDNEY DISEASES, complications/ LIVER DISEASES, complications/ MALE/ OSTEOMALACIA, chemically induced/ *OSTEOMALACIA, etiology/ OSTEOMALACIA, therapy/ RICKETS, VITAMIN D RESISTANT, complications/ SODIUM FLUORIDE, adverse effects/ VITAMIN D DEFICIENCY, complications

141. **Avioli LV:** An appraisal of bone cellular function in senescence. pp. 21–5.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.
*AGING/ BONE AND BONES, physiology/ *BONE DEVELOPMENT/ HUMAN/ MONOGRAPH/ OSTEOBLASTS, physiology/ OSTEOCLASTS, physiology/ OSTEOCYTES, physiology

142. **Avioli LV:** What to do with 'postmenopausal osteoporosis?' [editorial] Am J Med 65(6):881–4, Dec 78
AGED/ ANDROGENS, therapeutic use/ BIOPSY/ BONE AND BONES, pathology/ CALCIUM, DIETARY, administration & dosage/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ MALE/ *MENOPAUSE/ MIDDLE AGE/ OSTEOPOROSIS, diagnosis/ *OSTEOPOROSIS, drug therapy/ PHOSPHATES, therapeutic use/ SODIUM FLUORIDE, therapeutic use/ SOMATOTROPIN, therapeutic use/ VITAMIN D, therapeutic use

143. **Avram MM:** Renin, growth hormone and insulin in hemodialyzed uremic diabetics. Artif Organs 2(4):382–5, Nov 78
ADOLESCENCE/ ADULT/ BLOOD SUGAR, analysis/ COMPARATIVE STUDY/ *DIABETES MELLITUS, blood/ DIABETES MELLITUS, JUVENILE, blood/ *HEMODIALYSIS/ HUMAN/ *INSULIN, blood/ *RENIN, blood/ *SOMATOTROPIN, blood/ *UREMIA, blood/ UREMIA, therapy

144. **Aw TY, Grigor MR:** Effect of intramolecular fatty acid distribution on aspects of triacylglycerol digestion and absorption studied in vitro. Biochim Biophys Acta 531(3):257–65, 22 Dec 78
BILE, metabolism/ CALCIUM, metabolism/ *DIETARY FATS, metabolism/ *DIGESTION/ FATTY ACIDS, metabolism/ *INTESTINAL ABSORPTION/ LIPASE, metabolism/ PANCREAS, enzymology/ STRUCTURE-ACTIVITY RELATIONSHIP/ *TRIGLYCERIDES, metabolism

145. **Ayad SR, Burns GR:** Prostaglandin E1–induced desensitization of prostaglandin–sensitive adenylate cyclase of cultured mammalian cells. Studies with broken and intact cell preparations. Exp Cell Res 118(2):229–35, Feb 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ CELL FRACTIONATION/ CELL LINE/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GUANOSINE TRIPHOSPHATE, pharmacodynamics/ KINETICS/ *PROSTAGLANDINS E, pharmacodynamics

146. **Aylward M, Maddock J, Parker A, et al:** Endometrial factors under treatment with oestrogen and oestrogen/progestogen combinations. Postgrad Med J 54(2):74–81, 1978
*CLIMACTERIC, drug effects/ DRUG THERAPY, COMBINATION/ ENDOMETRIAL HYPERPLASIA, chemically induced/ ENDOMETRIAL HYPERPLASIA, prevention & control/ *ESTROGENS, adverse effects/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ *PROGESTATIONAL HORMONES, SYNTHETIC, therapeutic use/ PROSPECTIVE STUDIES/ UTERINE HEMORRHAGE, chemically induced/ UTERINE HEMORRHAGE, prevention & control

147. **Aylward M:** Coagulation factors in opposed and unopposed oestrogen treatment at the climacteric. Postgrad Med J 54(2):31–7, 1978
BLOOD COAGULATION TESTS/ *BLOOD COAGULATION, drug effects/ *CLIMACTERIC, drug effects/ DRUG THERAPY, COMBINATION/ *ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ *PLATELET AGGREGATION, drug effects/ PROGESTATIONAL HORMONES, SYNTHETIC, pharmacodynamics

148. **Azzollini CV, Cugini A, Tempo B, et al:** Nuovi orientamenti terapeutici nella sindrome di Mendelson. Descrizione di un caso clinico. Minerva Anestesiol 44(5):339–47, May 78 (Eng. Abstr.) **(Ita)**
ADULT/ BARBITURATES, poisoning/ CASE REPORT/ COMA, therapy/ CYTIDINE DIPHOSPHATE CHOLINE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCORTISONE, therapeutic use/ INTERMITTENT POSITIVE PRESSURE VENTILATION/ KALLIKREIN, therapeutic use/ KALLIKREIN-TRYPSIN INACTIVATOR, therapeutic use/ OXYGEN INHALATION THERAPY/ PNEUMONIA, ASPIRATION, etiology/ PNEUMONIA, ASPIRATION, metabolism/ *PNEUMONIA, ASPIRATION, therapy/ *PULMONARY SURFACTANT, biosynthesis/ S-ADENOSYLMETHIONINE, therapeutic use/ STIMULATION, CHEMICAL

B

149. **Baba A, Lee E, Matsuda T, et al:** Reversible inhibition of adenylate cyclase activity of rat brain caudate nucleus by oxidized glutathione. Biochem Biophys Res Commun 85(3):1204–10, 14 Dec 78

*ADENYL CYCLASE, antagonists & inhibitors/ ANIMAL/ *CAUDATE NUCLEUS, enzymology/ DISULFIDES/ ENZYME ACTIVATION/ *GLUTATHIONE, pharmacodynamics/ KINETICS/ MALE/ OXIDATION-REDUCTION/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ SULFHYDRYL COMPOUNDS, pharmacodynamics

150. **Babaeva AG, Shubnikova EA:** K voprosu ob éndokrinnoĭ funktsii sliunnykh zhelez. Usp Sovrem Biol 86(3):373–86, Nov–Dec 78 (86 ref.) **(Rus)**
ANIMAL/ ENDOCRINE GLANDS/ EPIDERMAL GROWTH FACTORS, isolation & purification/ EPIDERMAL GROWTH FACTORS, pharmacodynamics/ FEMALE/ GROWTH SUBSTANCES, isolation & purification/ GROWTH SUBSTANCES, pharmacodynamics/ HORMONES, analysis/ HYBRIDIZATION/ INSULIN, analysis/ MALE/ MICE/ MICE, INBRED BALB C/ MICE, INBRED CBA/ MICE, INBRED C57BL/ NERVE GROWTH FACTOR, isolation & purification/ NERVE GROWTH FACTOR, pharmacodynamics/ PAROTIN, isolation & purification/ PAROTIN, pharmacodynamics/ RATS/ RENIN, analysis/ REVIEW/ *SALIVARY GLANDS, physiology/ SALIVARY GLANDS, surgery/ SEX FACTORS/ TOXINS, analysis/ TOXINS, poisoning

151. **Bablok L, Janczewski Z, Kwiatkowska Z, et al:** The relationship between plasma FSH, testosterone levels and testicular histology in males with azoospermia. Andrologia 10(6):502–5, Nov–Dec 78
ADULT/ *FSH, blood/ HUMAN/ MALE/ *OLIGOSPERMIA, blood/ OLIGOSPERMIA, diagnosis/ OLIGOSPERMIA, pathology/ *TESTIS, pathology/ *TESTOSTERONE, blood

152. **Baccarani M, Guolo ML, Tura S:** Effect of early splenectomy and cyclic acute leukemia-like chemotherapy on the course of chronic myeloid leukemia. Boll Ist Sieroter Milan 57(3):360–9, 31 Jul 78
ADULT/ AGED/ *ANTINEOPLASTIC AGENTS, therapeutic use/ CYTARABINE, therapeutic use/ DAUNOMYCIN, therapeutic use/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ LEUKEMIA, MYELOCYTIC, drug therapy/ *LEUKEMIA, MYELOCYTIC, therapy/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use/ *SPLENECTOMY/ THIOGUANINE, therapeutic use/ VINCRISTINE, therapeutic use

153. **Bachmann K, Shapiro R, Fulton R, et al:** Smoking and warfarin disposition. Clin Pharmacol Ther 25(3):309–15, Mar 79
ADULT/ FEMALE/ HALF-LIFE/ HUMAN/ KINETICS/ MALE/ MIDDLE AGE/ PROTHROMBIN TIME/ *SMOKING/ THIOCYANATES, blood/ WARFARIN, blood/ *WARFARIN, metabolism

154. **Bachmann W, Böttger I, Allgayer H, et al:** Insulin-, Glucagonbindung und Adenylatzyklase-Aktivität von Leberplasmamembranen Streptozotocin-diabetischer Ratten. Verh Dtsch Ges Inn Med (84):1217–20, 1978 **(Ger)**
ADENYL CYCLASE, metabolism/ ANIMAL/ CELL MEMBRANE/ *DIABETES MELLITUS, EXPERIMENTAL, metabolism/ GLUCAGON, metabolism/ *LIVER, enzymology/ RATS/ *RECEPTORS, INSULIN, metabolism/ STREPTOZOTOCIN

155. **Bacigalupo A, Giordano D, Van Lint MT, et al:** Bolus methylprednisolone in severe aplastic anemia [letter] N Engl J Med 300(9):501–2, 1 Mar 79
*ANEMIA, APLASTIC, drug therapy/ HUMAN/ *METHYLPREDNISOLONE, administration & dosage

156. **Badano AR, Miechi HR, Mirkin A, et al:** Bromocriptine in the treatment of hyperolactinemic amenorrhea. Fertil Steril 31(2):124–9, Feb 79
ADOLESCENCE/ ADULT/ *AMENORRHEA, drug therapy/ CLOMIPHENE, therapeutic use/ FEMALE/ GALACTORRHEA, drug therapy/ HUMAN/ *PROLACTIN, blood/ STERILITY, FEMALE, drug therapy/ STERILITY, FEMALE, etiology/ *2-BROMOERGOCRYPTINE, therapeutic use

157. **Badawy SZ, Elliott LJ, Elbadawi A, et al:** Plasma levels of oestrone and oestradiol-17beta in postmenopausal women. Br J Obstet Gynaecol 86(1):56–63, Jan 79
ADULT/ AGE FACTORS/ AGED/ BODY WEIGHT/ ENDOMETRIAL HYPERPLASIA, blood/ *ESTRADIOL, blood/ ESTROGENS, analysis/ *ESTRONE, blood/ FEMALE/ HUMAN/ *MENOPAUSE/ MIDDLE AGE/ UTERINE HEMORRHAGE, blood/ VAGINAL SMEARS

158. **Baer PG, Kauker ML, McGiff JC:** Prostacyclin effects on renal hemodynamic and excretory functions in the rat. J Pharmacol Exp Ther 208(2):294–7, Feb 79
ANIMAL/ BLOOD PRESSURE, drug effects/ DIURESIS, drug effects/ GLOMERULAR FILTRATION RATE, drug effects/ KIDNEY, blood supply/ *KIDNEY, drug effects/ KIDNEY, metabolism/ MALE/ *PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ REGIONAL BLOOD FLOW, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S./ URINE, analysis/ URINE, drug effects/ VASCULAR RESISTANCE, drug effects

159. **Bagshawe KD, Lequin RM, Sizaret PH:** Pregnancy beta1 glycoprotein and chorionic gonadotrophin in the serum of patients with trophoblastic and non-trophoblastic tumours. Eur J Cancer 14(12):1331–5, Dec 78
BETA GLOBULINS, metabolism/ FEMALE/ *GLYCOPROTEINS, blood/ *GONADOTROPINS, CHORIONIC, blood/ HUMAN/ PREGNANCY/ TERATOID TUMOR, blood/ *TROPHOBLASTIC TUMOR, blood/ *UTERINE NEOPLASMS, blood

160. **Bailer P, Gips H, Korte K:** Die Diagnostik des plazentaren Sulfatasemangels. Z Geburtshilfe Perinatol 182(5):384–8, Oct 78 (Eng. Abstr.) **(Ger)**
ADULT/ ALPHA FETOPROTEINS, analysis/ CASE REPORT/ DEHYDROEPIANDROSTERONE, blood/ *DEHYDROEPIANDROSTERONE, diagnostic use/ ENGLISH ABSTRACT/ ESTRADIOL, blood/ ESTRIOL, blood/ *ESTROGENS, blood/ ESTRONE, blood/ FEMALE/ HUMAN/ INFANT, NEWBORN/ MALE/ PLACENTA DISORDERS, diagnosis/ *PLACENTA, enzymology/ PREGNANCY/ PROGESTERONE, blood/ *SULFATASES, deficiency

161. **Bailey WH, Weiss JM:** Evaluation of a 'memory deficit' in vasopressin-deficient rats. Brain Res 162(1):174–8, 16 Feb 79
ANIMAL/ AVOIDANCE LEARNING, physiology/ HETEROZYGOTE/ HOMOZYGOTE/ *MEMORY, physiology/ RATS/ REACTION TIME, physiology/ *RETENTION (PSYCHOLOGY), physiology/ *VASOPRESSINS, physiology

162. **Bain J, Moskowitz JP, Clapp JJ:** LH and FSH response to gonadotropin releasing hormone (GnRH) in normospermic, oligospermic and azoospermic men. Arch Androl 1(2):147–52, 1978
ADULT/ CELL NUMBER/ *FSH, secretion/ HUMAN/ *LH, secretion/ MALE/ MIDDLE AGE/ OLIGOSPERMIA, pathology/ *OLIGOSPERMIA, physiopathology/ *PITUITARY HORMONE RELEASING HORMONES, pharmacodynamics/ SPERMATOZOA, pathology

163. **Baird GD, Lomax MA, Symonds HW, et al:** Differences in hepatic extraction of lactate in lactating and non-lactating dairy cows [proceedings] Proc Nutr Soc 37(3):94A, Dec 78
ANIMAL/ CATTLE/ COMPARATIVE STUDY/ FEMALE/ GLUCOSE, metabolism/ *LACTATES, metabolism/ *LACTATION/ *LIVER, metabolism

164. **Baker AA, Jillella D:** Techniques of surgical and non-surgical ova collection of superovulated cows. Vet Rec 103(25):558–62, 16 Dec 78
ANIMAL/ CATHETERIZATION, instrumentation/ CATHETERIZATION, veterinary/ *CATTLE, physiology/ CATTLE, surgery/ COMPARATIVE STUDY/ FEMALE/ FERTILIZATION/ LAPAROTOMY, veterinary/ *OVULATION/ *OVUM/ SPECIMEN HANDLING, instrumentation/ SPECIMEN HANDLING, methods/ *SPECIMEN HANDLING, veterinary/ *SUPEROVULATION

165. **Baker JB, Cunningham DD:** Glucocorticoid-mediated alteration in growth factor binding and action: analysis of the binding change. J Supramol Struct 9(1):69–77, 1978
CELL DIVISION, drug effects/ CELL MEMBRANE, metabolism/ CELLS, CULTURED/ *DEXAMETHASONE, pharmacodynamics/ *EPIDERMAL GROWTH FACTORS, metabolism/ EPIDERMAL GROWTH FACTORS, pharmacodynamics/ KINETICS/ *PEPTIDES,

metabolism/ *RECEPTORS, HORMONE, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

166. **Baker PC, Hoff KM, Buda RE:** The effects of exogenous melatonin upon the gut of larval Xenopus laevis. Gen Pharmacol 9(6):431–2, 1978
ACETYLSEROTONIN METHYLTRANSFERASE, metabolism/ ANIMAL/ CARBOXY-LYASES, metabolism/ DEFECATION, drug effects/ DIGESTIVE SYSTEM, enzymology/ *DIGESTIVE SYSTEM, physiology/ EMBRYO, metabolism/ HYDROXYTRYPTOPHAN/ IN VITRO/ LARVA/ *MELATONIN, pharmacodynamics/ MONOAMINE OXIDASE, metabolism/ TIME FACTORS/ *XENOPUS, physiology

167. **Baker PF, Knight DE:** A high-voltage technique for gaining rapid access to the interior of secretory cells [proceedings] J Physiol (Lond) 284:30P-31P, Nov 78
ADRENAL MEDULLA, cytology/ ADRENAL MEDULLA, secretion/ ANIMAL/ CALCIUM, physiology/ CATECHOLAMINES, secretion/ CATTLE/ *EXOCYTOSIS/ METHODS

168. **Bakhle YS, Youdim MB:** The metabolism of 5-hydroxytryptamine and beta-phenylethylamine in perfused rat lung and in vitro. Br J Pharmacol 65(1):147–54, Jan 79
ANIMAL/ CLORGYLINE, pharmacodynamics/ DEPRENYL, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ KINETICS/ *LUNG, metabolism/ LUNG, ultrastructure/ MALE/ MITOCHONDRIA, enzymology/ MONOAMINE OXIDASE, metabolism/ *PHENETHYLAMINES, metabolism/ RATS/ *SEROTONIN, metabolism/ SUBSTRATE SPECIFICITY

169. **Bakker CP, van der Plank-van Winsen MP, van der Molen HJ:** Effect of cytosol fractions from lutropin-stimulated rat testes on pregnenolone production by mitochondria from normal rat testes. Biochim Biophys Acta 543(2):235–42, 3 Oct 78
ANIMAL/ CHOLESTEROL, metabolism/ CYANOKETONE, pharmacodynamics/ CYTOSOL, metabolism/ IN VITRO/ *LH, pharmacodynamics/ MALE/ MITOCHONDRIA, metabolism/ *PREGNENOLONE, biosynthesis/ PYRIDINES, pharmacodynamics/ RATS/ TESTIS, drug effects/ *TESTIS, metabolism/ TETRAHYDRONAPHTHALENES, pharmacodynamics

170. **Baksi SN, Kenny AD:** Acute effect of estradiol on the renal vitamin D hydroxylases in Japanese quail. Biochem Pharmacol 27(24):2765–8, 1978
ANIMAL/ CALCIUM, blood/ COTURNIX/ DIHYDROXYCHOLECALCIFEROLS, metabolism/ *ESTRADIOL, pharmacodynamics/ FEMALE/ KIDNEY, drug effects/ *KIDNEY, enzymology/ OXIDATION-REDUCTION/ PERIODIC ACIDS, diagnostic use/ *STEROID HYDROXYLASES, metabolism/ TESTOSTERONE, pharmacodynamics/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *25-HYDROXYCHOLECALCIFEROL-1-HYDROX metabolism

171. **Bakurdzhiev K, Krustev Kh:** Izsledvaniia vurkhu ultrastrukturnite promeni pri testis i epididimis na kochove sus zarazen epididimit. Vet Med Nauki 15(5):44–52, 1978 (Eng. Abstr.) **(Bul)**
ANIMAL/ ENGLISH ABSTRACT/ *EPIDIDYMIS, ultrastructure/ *EPIDIDYMITIS, veterinary/ MALE/ MICROSCOPY, ELECTRON/ *SHEEP DISEASES, pathology/ SHEEP/ SPERMATOZOA, ultrastructure/ *TESTIS, ultrastructure

172. **Balazs I, Szabo P, Siniscalco M:** Hybridization properties of human X-chromosomal RNA transcripts from murine--human hybrids. Somatic Cell Genet 4(6):617–31, Nov 78
ANIMAL/ CELL LINE/ DNA, genetics/ DNA, isolation & purification/ HELA CELLS/ HUMAN/ HYBRID CELLS/ MICE/ NUCLEIC ACID HYBRIDIZATION/ *RNA, genetics/ *SEX CHROMOSOMES/ *TRANSCRIPTION, GENETIC/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *X CHROMOSOME

173. **Balázs M, Loczka B, Kovács I:** A Whipple-kórról fény- és elektronmikroszkóppal diagnosztizált és kontrollált eset kapcsán. Orv Hetil 120(5):279–82, 4 Feb 79 **(Hun)**
BIOPSY/ CASE REPORT/ INTESTINAL MUCOSA, pathology/ INTESTINE, SMALL, pathology/ *LIPODYSTROPHY, INTESTINAL, diagnosis/ LIPODYSTROPHY, INTESTINAL, drug therapy/ LIPODYSTROPHY, INTESTINAL, pathology/ LYMPH NODES, pathology/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ STEROIDS, therapeutic use/ TETRACYCLINE, therapeutic use

174. **Balázs M:** Comparative electron-microscopic studies of benign hepatoma and icterus in patients on oral contraceptives. Virchows Arch [Pathol Anat] 381(1):97–109, 12 Dec 78
ADULT/ CELL MEMBRANE, ultrastructure/ COMPARATIVE STUDY/ *CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ ENDOTHELIUM, ultrastructure/ FEMALE/ *HEPATOMA, ultrastructure/ HUMAN/ *JAUNDICE, chemically induced/ JAUNDICE, pathology/ *LIVER NEOPLASMS, ultrastructure/ LIVER, ultrastructure/ MICROSCOPY, ELECTRON

175. **Baldwin GB:** The McCormick Family Planning Program in Chiang Mai, Thailand. Stud Fam Plann 9(12):300–13, Dec 78
ADOLESCENCE/ ADULT/ AMENORRHEA, chemically induced/ COST BENEFIT ANALYSIS/ DELAYED-ACTION PREPARATIONS/ *FAMILY PLANNING/ FEMALE/ HUMAN/ MALE/ MEDROXYPROGESTERONE, analogs & derivatives/ MEDROXYPROGESTERONE, adverse effects/ MOBILE HEALTH UNITS/ ORGANIZATION AND ADMINISTRATION/ PERSONNEL STAFFING AND SCHEDULING/ STERILIZATION, SEXUAL/ THAILAND

176. **Balemans MG, Bary FA, Legerstee WC, et al:** Circadian rhythmicity in the methylation of 5-hydroxyindoles and norepinephrine in the pineal gland of 10 day old rats. J Neural Transm 43(2):167–75, 1978
ACETYLSEROTONIN METHYLTRANSFERASE, metabolism/ ANIMAL/ CATECHOL METHYLTRANSFERASE, metabolism/ *CIRCADIAN RHYTHM/ *HYDROXYINDOLEACETIC ACID, metabolism/ *HYDROXYTRYPTOPHAN, metabolism/ *HYDROXYTRYPTOPHOL, metabolism/ *INDOLES, metabolism/ METHYLATION/ *NOREPINEPHRINE, metabolism/ *PINEAL BODY, enzymology/ RATS/ SEROTONIN, metabolism

177. **Baleydier C, Magnin M:** Afferent and efferent connections of the parabigeminal nucleus in cat revealed by retrograde axonal transport of horseradish peroxidase. Brain Res 161(2):187–98, 2 Feb 79
AFFERENT PATHWAYS, anatomy & histology/ ANIMAL/ AUTORADIOGRAPHY/ *AXOPLASMIC FLOW/ *BRAIN STEM, anatomy & histology/ CATS/ CEREBRAL AQUEDUCT, anatomy & histology/ EFFERENT PATHWAYS, anatomy & histology/ *HORSERADISH PEROXIDASE/ HYPOGLOSSAL NERVE, anatomy & histology/ HYPOTHALAMUS, anatomy & histology/ *PEROXIDASES/ SUPERIOR COLLICULUS, anatomy & histology/ TEGMENTUM MESENCEPHALI, anatomy & histology/ THALAMUS, anatomy & histology

178. **Balis JU, Paterson JF, Shelley SA, et al:** Glucocorticoid and antibiotic effects on hepatic microcirculation and associated host responses in lethal gram-negative bacteremia. Lab Invest 40(1):55–65, Jan 79
ANIMAL/ *ANTIBIOTICS, pharmacodynamics/ ANTIBIOTICS, therapeutic use/ BILIRUBIN, blood/ DISSEMINATED INTRAVASCULAR COAGULATION, pathology/ DRUG THERAPY, COMBINATION/ *ESCHERICHIA COLI INFECTIONS, drug therapy/ ESCHERICHIA COLI INFECTIONS, physiopathology/ GENTAMICINS, pharmacodynamics/ GENTAMICINS, therapeutic use/ *GLUCOCORTICOIDS, pharmacodynamics/ GLUCOCORTICOIDS, therapeutic use/ HYPOGLYCEMIA, etiology/ *LIVER CIRCULATION, drug effects/ LIVER GLYCOGEN/ *LIVER, drug effects/ LIVER, pathology/ MALE/ METHYLPREDNISOLONE, pharmacodynamics/ METHYLPREDNISOLONE, therapeutic use/ MICROCIRCULATION, drug effects/ NECROSIS/ RATS/ *SEPTICEMIA, drug therapy/ SHOCK,

SEPTIC, drug therapy/ UNITED STATES GOV'T SUPPORTED

179. **Balkin MS, Hoffman R, Willner J:** Idiopathic diabetes insipidus occurring in a patient with Turner's syndrome.
Mt Sinai J Med (NY) 45(6):742–7, Nov–Dec 78
ADULT/ CASE REPORT/ *DIABETES INSIPIDUS, etiology/ FEMALE/ HUMAN/ *TURNER'S SYNDROME, complications

180. **Ballad RV, Tan SH, Johnson JE, et al:** Iodine–129 in man, cow and deer. Health Phys 34(6):691–6, Jun 78
ANIMAL/ CATTLE/ DEER/ DIET/ ECOLOGY/ ENVIRONMENTAL EXPOSURE/ HUMAN/ *IODINE RADIOISOTOPES, analysis/ MISSOURI/ RADIOACTIVE POLLUTANTS, analysis/ *THYROID GLAND, analysis/ UNITED STATES GOV'T SUPPORTED

181. **Ballenger JC, Goodwin FK, Major LF, et al:** Alcohol and central serotonin metabolism in man.
Arch Gen Psychiatry 36(2):224–7, Feb 79
ADULT/ *ALCOHOLISM, cerebrospinal fluid/ ALCOHOLISM, rehabilitation/ *BRAIN, metabolism/ DOPAMINE, metabolism/ HOMOVANILLIC ACID, cerebrospinal fluid/ HUMAN/ HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ MALE/ MIDDLE AGE/ *SEROTONIN, cerebrospinal fluid

182. **Ballet JJ, Griscelli C:** Lymphoid cell transplantation in human osteopetrosis. pp. 399–414.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.
*BONE MARROW, transplantation/ BONE RESORPTION/ CASE REPORT/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MONOGRAPH/ *OSTEOPETROSIS, surgery/ TRANSPLANTATION, HOMOLOGOUS

183. **Balmaceda J, Asch RH, Fernandez EO, et al:** Prostaglandin production by rhesus monkey corpora lutea in vitro.
Fertil Steril 31(2):214–6, Feb 79
ANIMAL/ *CORPUS LUTEUM, metabolism/ FEMALE/ IN VITRO/ MENSTRUATION, LUTEAL PHASE/ MONKEYS/ PROGESTERONE, biosynthesis/ PROSTAGLANDINS E, biosynthesis/ PROSTAGLANDINS F, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

184. **Bambach CP, Riley JW, Picker RH, et al:** Preoperative parathyroid identification by ultrasonic scan. Med J Aust 2(6):227–9, 9 Sep 78
AGED/ CASE REPORT/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, surgery/ MALE/ MIDDLE AGE/ *PARATHYROID GLANDS/ *ULTRASONICS, diagnostic use

185. **Bamji MS, Ahmed F:** Effect of oral contraceptive steroids on vitamin A status of women and female rats.
World Rev Nutr Diet 31:135–40, 1978
ANIMAL/ COMPARATIVE STUDY/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ *CONTRACEPTIVES, ORAL, SYNTHETIC, pharmacodynamics/ FEMALE/ HUMAN/ RATS/ *VITAMIN A, blood

186. **Bank N, Su WS, Aynedjian HS:** A micropuncture study of HCO3 reabsorption by the hypertrophied proximal tubule.
Yale J Biol Med 51(3):275–82, May–Jun 78
ANIMAL/ *BICARBONATES, metabolism/ GLOMERULAR FILTRATION RATE/ HYPERPARATHYROIDISM, urine/ *HYPERPARATHYROIDISM, SECONDARY, metabolism/ HYPERTROPHY/ *KIDNEY TUBULES, PROXIMAL, metabolism/ KIDNEY TUBULES, PROXIMAL, pathology/ MALE/ PARATHYROID GLANDS, surgery/ POTASSIUM, urine/ RATS/ SODIUM, urine/ UNITED STATES GOV'T SUPPORTED, P.H.S.

187. **Banks BE, Carstairs JR, Ennis M, et al:** On the mechanism of immunosympathectomy. Experientia 34(10):1371–2, 15 Oct 78
ANIMAL/ ANIMALS, NEWBORN, immunology/ ANTIGEN–ANTIBODY REACTIONS/ COMPLEMENT ACTIVATION/ GANGLIA, AUTONOMIC, cytology/ GANGLIA, AUTONOMIC, immunology/ IMMUNE SERUMS/ MICE/ *NERVE GROWTH FACTOR, immunology/ *SYMPATHETIC NERVOUS SYSTEM, immunology

188. **Banks RO, Fondacaro JD, Schwaiger MM, et al:** Renal histamine H1 and H2 receptors: characterization and functional significance. Am J Physiol 235(6):F570–5, Dec 78
ANIMAL/ CIMETIDINE, pharmacodynamics/ DOGS/ ETHYLAMINES, pharmacodynamics/ FEMALE/ HISTAMINE, pharmacodynamics/ *KIDNEY, blood supply/ KIDNEY, metabolism/ MALE/ *RECEPTORS, HISTAMINE H1, metabolism/ *RECEPTORS, HISTAMINE H2, metabolism/ *RECEPTORS, HISTAMINE, metabolism/ REGIONAL BLOOD FLOW/ THIOUREA, analogs & derivatives/ THIOUREA, pharmacodynamics/ TRIPELENNAMINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASODILATION

189. **Banovac K, Solter M, Sekso M, et al:** Relative increase of serum reverse T3 in patients with hypothyroidism.
Ann Endocrinol (Paris) 39(5):387–91, 1978
ADULT/ AGED/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, blood/ MALE/ MIDDLE AGE/ THYROXINE, blood/ *TRIIODOTHYRONINE, blood/ *TRIIODOTHYRONINE, REVERSE, blood

190. **Bantutova I, Ovcharov R, Koburova K:** Changes in the convulsion threshold and in the level of brain biogenic amines in rats chronically treated with phenobarbital or diazepam.
Acta Physiol Pharmacol Bulg 4(2):26–9, 1978
ANIMAL/ *BIOGENIC AMINES, analysis/ *BRAIN CHEMISTRY, drug effects/ COMPARATIVE STUDY/ *CONVULSIONS, chemically induced/ DIAZEPAM, pharmacodynamics/ *DIAZEPAM, toxicity/ DOPAMINE, analysis/ DRUG SYNERGISM/ MALE/ NOREPINEPHRINE, analysis/ PENTYLENETETRAZOLE, toxicity/ PHENOBARBITAL, pharmacodynamics/ *PHENOBARBITAL, toxicity/ RATS/ SEROTONIN, analysis

191. **Baran DT, Bergfeld MA, Teitelbaum SL, et al:** Effect of testosterone therapy on bone formation in an osteoporotic hypogonadal male. Calcif Tissue Res 26(2):103–6, 8 Dec 78
ADULT/ BONE AND BONES, pathology/ *BONE DEVELOPMENT, drug effects/ HUMAN/ MALE/ OSSIFICATION, PHYSIOLOGIC, drug effects/ *OSTEOPOROSIS, drug therapy/ TESTOSTERONE, pharmacodynamics/ *TESTOSTERONE, therapeutic use/ UNITED STATES GOV'T SUPPORTED, P.H.S.

192. **Baranov VG, Kogan ME, Propp MV, et al:** Effect of clomiphene on the restoration of ovulation in androgen–sterile rats.
Neurosci Behav Physiol 8(4):271–4, Oct–Dec 77
ANIMAL/ ANOVULATION, chemically induced/ *ANOVULATION, drug therapy/ ANOVULATION, metabolism/ *CLOMIPHENE, therapeutic use/ FEMALE/ HYPOTHALAMUS, analysis/ LH, analysis/ LH–FSH RELEASING HORMONE, analysis/ PITUITARY GLAND, analysis/ RATS/ SEX HORMONES, blood/ TESTOSTERONE

193. **Baranowska B, Zgliczyński S:** Enhanced testosterone in female patients with anorexia nervosa: its normalization after weight gain. Acta Endocrinol (Copenh) 90(2):328–35, Feb 79
ADOLESCENCE/ ADULT/ *ANOREXIA NERVOSA, blood/ BODY WEIGHT/ ESTRADIOL, blood/ ESTRIOL, blood/ ESTRONE, blood/ FEMALE/ HUMAN/ LH, blood/ PROGESTERONE, blood/ *TESTOSTERONE, blood

194. **Barbato MP:** Thyroid autoantibodies in an Australian community. Med J Aust 2(11):511–2, 18 Nov 78
ADULT/ AUSTRALIA/ *AUTOANTIBODIES/ CHILD/ FEMALE/ HUMAN/ MALE/ MICROSOMES, immunology/ MIDDLE AGE/ SEX FACTORS/ THYROGLOBULIN, immunology/ *THYROID GLAND, immunology

195. **Barber SG:** Hypopituitarism and artificial ventilation.
Acta Endocrinol (Copenh) 90(2):211–6, Feb 79
ADOLESCENCE/ ADULT/ AGED/ FEMALE/ HUMAN/ HYPOPITUITARISM, diagnosis/ *HYPOPITUITARISM, etiology/ HYPOPITUITARISM, physiopathology/ LH, blood/ MALE/ MIDDLE AGE/ *PITUITARY GLAND, ANTERIOR, physiopathology/ PITUITARY HORMONE RELEASING HORMONES, diagnostic

use/ *RESPIRATION, ARTIFICIAL, adverse effects/ THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, blood

196. **Barbier A, Girard J, Lafille C, et al:** Activité vasoconstrictrice chez l'homme d'un nouvel anti-inflammatoire: le difluprednate. Therapie 33(5):607-14, Sep-Oct 78 (Eng. Abstr.) **(Fre)**
ADULT/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ BETAMETHASONE 17-VALERATE, pharmacodynamics/ COMPARATIVE STUDY/ DEXAMETHASONE, analogs & derivatives/ DEXAMETHASONE, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ FLUOCINOLONE ACETONIDE, analogs & derivatives/ FLUOCINOLONE ACETONIDE, pharmacodynamics/ *FLUPREDNISOLONE, analogs & derivatives/ FLUPREDNISOLONE, pharmacodynamics/ HUMAN/ MALE/ MIDDLE AGE/ TRIAMCINOLONE ACETONIDE, pharmacodynamics/ *VASOCONSTRICTOR AGENTS/ VASOCONSTRICTOR AGENTS, pharmacodynamics

197. **Barbieri RL, Lee H, Ryan KJ:** Danazol binding to rat androgen, glucocorticoid, progesterone, and estrogen receptors: correlation with biologic activity. Fertil Steril 31(2):182-6, Feb 79
ANIMAL/ *DANAZOL, metabolism/ FEMALE/ MALE/ MESTRANOL, metabolism/ METHYLTESTOSTERONE, metabolism/ *PREGNADIENES, metabolism/ RATS/ RECEPTORS, ESTROGEN, metabolism/ *RECEPTORS, GLUCOCORTICOID, metabolism/ RECEPTORS, PROGESTERONE, metabolism/ *RECEPTORS, STEROID, metabolism/ STANOLONE, metabolism/ TESTOSTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

198. **Barbour GL, Straub KD, O'Neal BL, et al:** Vasopressin-resistant nephrogenic diabetes insipidus. A result of amphotericin B therapy. Arch Intern Med 139(1):86-8, Jan 79
*AMPHOTERICIN B, adverse effects/ CASE REPORT/ *DIABETES INSIPIDUS, chemically induced/ HUMAN/ *KIDNEY CONCENTRATING ABILITY, drug effects/ *KIDNEY DISEASES, chemically induced/ MALE/ MIDDLE AGE/ OSMOLAR CONCENTRATION/ URINE, analysis/ *VASOPRESSINS, diagnostic use/ WATER DEPRIVATION

199. **Barkai AI:** Serotonin turnover in the intact rabbit brain: relationship to extracellular proteins and modification by pentobarbital or haloperidol. J Pharmacol Exp Ther 208(1):44-8, Jan 79
ANIMAL/ BRAIN, drug effects/ *BRAIN, metabolism/ CEREBROSPINAL FLUID PROTEINS, metabolism/ *HALOPERIDOL, pharmacodynamics/ HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ MALE/ *NERVE TISSUE PROTEINS, metabolism/ *PENTOBARBITAL, pharmacodynamics/ RABBITS/ *SEROTONIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

200. **Barlock AL, Howser DM, Hubbard SM:** Nursing management of adriamycin extravasation. Am J Nurs 79(1):94-6, Jan 79
*DOXORUBICIN, adverse effects/ EVALUATION STUDIES/ HUMAN/ HYDROCORTISONE, administration & dosage/ INJECTIONS, INTRADERMAL/ *INJECTIONS, INTRAVENOUS, adverse effects/ *INJECTIONS, INTRAVENOUS, nursing/ INJECTIONS, SUBCUTANEOUS/ NEOPLASMS, drug therapy/ *SKIN ULCER, prevention & control/ TIME FACTORS

201. **Barlow SM, Knight AF, Sullivan FM:** Plasma corticosterone responses to stress following chronic oral administration of diazepam in the rat. J Pharm Pharmacol 31(1):23-6, Jan 79
ANIMAL/ BODY WEIGHT, drug effects/ *CORTICOSTERONE, blood/ *DIAZEPAM, pharmacodynamics/ ELECTROSHOCK/ FEEDING BEHAVIOR, drug effects/ FEMALE/ IMMOBILIZATION/ NOISE/ RATS/ *STRESS, PSYCHOLOGICAL, blood

202. **Barnes GD, Brown BL, Gard TG, et al:** Effect of TRH and dopamine on cyclic AMP levels in enriched mammotroph and thyrotroph cells. Mol Cell Endocrinol 12(3):273-84, Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *DOPAMINE, pharmacodynamics/ IN VITRO/ MALE/ PITUITARY GLAND, ANTERIOR, cytology/ PITUITARY GLAND, ANTERIOR, drug effects/ *PITUITARY GLAND, ANTERIOR, metabolism/ PROLACTIN, secretion/ RATS/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics/ THYROTROPIN, secretion/ 1-METHYL-3-ISOBUTYLXANTHINE, pharmacodynamics

203. **Barnhart MI, Baechler CA:** Endothelial cell physiology, perturbations and responses. Semin Thromb Hemostas 5(2):50-86, Fall 78 (212 ref.)
BLOOD CIRCULATION/ BLOOD PLATELETS, physiology/ BLOOD VESSEL PROSTHESIS/ BLOOD VESSELS, physiology/ CELL DIVISION/ CELL MEMBRANE PERMEABILITY/ CELLS, CULTURED/ *ENDOTHELIUM, cytology/ ENDOTHELIUM, metabolism/ ENDOTHELIUM, physiology/ ENDOTHELIUM, ultrastructure/ GLUCOCORTICOIDS, pharmacodynamics/ HEMOSTASIS/ HEPARIN, pharmacodynamics/ HUMAN/ INTERCELLULAR JUNCTIONS, ultrastructure/ LEUKOCYTES, physiology/ MICROSCOPY, ELECTRON, SCANNING/ PROSTAGLANDINS E, metabolism/ PROSTAGLANDINS X, metabolism/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

204. **Barnhart MI, Chen ST:** Vessel wall models for studying interaction capabilities with blood platelets.
Semin Thromb Hemostas 5(2):112-55, Fall 78 (187 ref.)
ANIMAL/ ARTERIOSCLEROSIS, physiopathology/ BLOOD CIRCULATION/ *BLOOD PLATELETS, physiology/ *BLOOD VESSELS, physiology/ BLOOD VESSELS, ultrastructure/ CELLS, CULTURED/ COLLAGEN, physiology/ ENDOTHELIUM, physiology/ ENDOTHELIUM, ultrastructure/ HEMOSTASIS/ HUMAN/ HYALURONIDASE, pharmacodynamics/ IN VITRO/ LIPID A, pharmacodynamics/ MICROSCOPY, ELECTRON, SCANNING/ MODELS, BIOLOGICAL/ NEURAMINIDASE, pharmacodynamics/ PROSTAGLANDINS, physiology/ RABBITS/ REVIEW/ THROMBIN, pharmacodynamics/ THROMBOSIS, physiopathology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VON WILLEBRAND'S DISEASE, physiopathology

205. **Barragry JM, Makin HL, Trafford DJ, et al:** Effect of anticonvulsants on plasma testosterone and sex hormone binding globulin levels. J Neurol Neurosurg Psychiatry 41(10):913-4, Oct 78
*ANTICONVULSANTS, pharmacodynamics/ ANTICONVULSANTS, therapeutic use/ CARBAMAZEPINE, pharmacodynamics/ EPILEPSY, TEMPORAL LOBE, blood/ EPILEPSY, TEMPORAL LOBE, drug therapy/ FEMALE/ HUMAN/ LIVER, drug effects/ LIVER, metabolism/ MALE/ PHENOBARBITAL, pharmacodynamics/ PHENYTOIN, pharmacodynamics/ SEX FACTORS/ *SEX HORMONE BINDING GLOBULIN, analysis/ SEX HORMONE BINDING GLOBULIN, metabolism/ *TESTOSTERONE, blood

206. **Barreca T, Rolandi E, Masturzo P, et al:** Effetto iperprolattinemizzante di farmaci anti-psicotici.
Boll Soc Ital Biol Sper 54(2):205-9, 30 Jan 78 **(Ita)**
CHLORPROMAZINE, pharmacodynamics/ FEMALE/ HALOPERIDOL, pharmacodynamics/ HUMAN/ MALE/ PIMOZIDE, pharmacodynamics/ *PROLACTIN, blood/ STIMULATION, CHEMICAL/ *TRANQUILIZING AGENTS, MAJOR, pharmacodynamics

207. **Barreca T, Gallamini A, Gianrossi R, et al:** Effetti del metadone e della pentazocina sui livelli sierici di prolattina nell'uomo.
Boll Soc Ital Biol Sper 54(2):201-4, 30 Jan 78 **(Ita)**
ADULT/ BREAST NEOPLASMS, physiopathology/ BREAST NEOPLASMS, therapy/ FEMALE/ HUMAN/ *METHADONE, pharmacodynamics/ MIDDLE AGE/ PALLIATIVE TREATMENT/ *PENTAZOCINE, pharmacodynamics/ *PROLACTIN, blood

208. **Barrell GK, Lapwood KR:** Effects of pinealectomy of rams on secretory profiles of luteinizing hormone, testosterone, prolactin and cortisol. Neuroendocrinology 27(5-6):216-27, 1978

ANIMAL/ DARKNESS/ *HYDROCORTISONE, blood/ KINETICS/ LIGHT/ *LH, blood/ MALE/ PERIODICITY/ *PINEAL BODY, physiology/ *PROLACTIN, blood/ SHEEP/ *TESTOSTERONE, blood

209. **Barret MD, Alexander JC, Hill DC:** Effect of linamarin on thiocyanate production and thyroid activity in rats. J Toxicol Environ Health 4(5-6):735-40, Sep-Nov 78
ANIMAL/ DIET/ *GLUCOSIDES, pharmacodynamics/ *GLYCOSIDES, pharmacodynamics/ GROWTH, drug effects/ IODINE, metabolism/ MALE/ *NITRILES, pharmacodynamics/ ORGAN WEIGHT, drug effects/ RATS/ *THIOCYANATES, metabolism/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism

210. **Barrett DI, Brown D, Colston KW, et al:** Regulation of 25-hydroxycholecalciferol metabolism by 1,25-dihydroxycholecalciferol in relation to phosphate concentrations [proceedings] J Endocrinol 79(2):35P-36P, Nov 78
AMANITINS, pharmacodynamics/ CELLS, CULTURED/ *DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ *HYDROXYCHOLECALCIFEROLS, metabolism/ *HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ IN VITRO/ KIDNEY, metabolism/ *PHOSPHATES, pharmacodynamics

211. **Bartke A, Mason M, Dalterio S, et al:** Effects of tamoxifen on plasma concentrations of testosterone and gonadotrophins in the male rat. J Endocrinol 79(2):239-40, Nov 78
ANIMAL/ *FSH, blood/ *LH, blood/ MALE/ RATS/ *TAMOXIFEN, pharmacodynamics/ *TESTOSTERONE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

212. **Barton R, Martiniuk F, Hirschhorn R, et al:** The distribution of adenosine deaminase among lymphocyte populations in the rat. J Immunol 122(1):216-20, Jan 79
*ADENOSINE DEAMINASE, metabolism/ ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL/ ANIMALS, NEWBORN/ BONE MARROW, enzymology/ COMPLEMENT/ CYTOTOXICITY, IMMUNOLOGIC/ FEMALE/ FETUS, enzymology/ *LYMPHOCYTES, enzymology/ MALE/ *NUCLEOSIDE DEAMINASES, metabolism/ PREGNANCY/ RATS/ RATS, INBRED LEW/ T-LYMPHOCYTES, enzymology/ THORACIC DUCT, enzymology/ THYMUS GLAND, enzymology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

213. **Basbaum AI, Fields HL:** Endogenous pain control mechanisms: review and hypothesis. Ann Neurol 4(5):451-62, Nov 78 (96 ref.)
*ANALGESIA/ ANIMAL/ BIOGENIC AMINES, physiology/ BRAIN STEM, physiology/ *BRAIN, physiology/ CATS/ ELECTRIC STIMULATION/ ENKEPHALINS, physiology/ HUMAN/ MODELS, NEUROLOGICAL/ NALOXONE, physiology/ NEURAL INHIBITION/ NEURAL PATHWAYS, physiology/ NEURAL TRANSMISSION/ OPIUM, physiology/ *PAIN, physiopathology/ RAPHE NUCLEI, physiology/ RATS/ REVIEW/ SEROTONIN, physiology/ SPINAL CORD DISEASES, physiopathology/ SPINAL CORD, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

214. **Basile F, Weisz G, Bini P, et al:** Correlazioni clinico-statistiche tra HPL, peso del neonato e indice di Apgar. Minerva Ginecol 30(12):1089-96, Dec 78 (Eng. Abstr.) **(Ita)**
ADULT/ *APGAR SCORE/ *BIRTH WEIGHT/ ENGLISH ABSTRACT/ FEMALE/ GEL DIFFUSION TESTS/ HUMAN/ INFANT, NEWBORN/ PLACENTAL LACTOGEN, analysis/ *PLACENTAL LACTOGEN, blood/ PREGNANCY COMPLICATIONS, blood/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ PREGNANCY, PROLONGED

215. **Baskakov VP, Tsvelev IuV:** Endometrioz kak prichina 'ostrogo zhivota'. Vestn Khir 121(11):8-13, Nov 78 (Eng. Abstr.) **(Rus)**
*ABDOMEN, ACUTE, etiology/ ADULT/ CASE REPORT/ *ENDOMETRIOSIS, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *OVARIAN NEOPLASMS, complications/ *UTERINE NEOPLASMS, complications

216. **Baskin RJ, Hanna S:** Cross-linking of the (Ca2+ + Mg2+)-ATPase protein. Biochim Biophys Acta 576(1):61-70, 25 Jan 79
*ADENOSINE TRIPHOSPHATASE, CALCIUM/ ADENOSINE TRIPHOSPHATASE, CALCIUM, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, metabolism/ *COPPER/ DISULFIDES/ LOBSTERS/ MACROMOLECULAR SYSTEMS/ *MAGNESIUM/ MUSCLES, metabolism/ *PHENANTHROLINES/ PROTEIN BINDING/ SARCOPLASMIC RETICULUM, ultrastructure/ TRITONS

217. **Basset M, Chambaz EM, Defaye G, et al:** Etude en résonance paramagnétique électronique (RPE) des interactions stéroïdes hormonaux-protéines de liaison. Biochimie 60(8):715-24, 1978 (Eng. Abstr.) **(Fre)**
ALPHA GLOBULINS, metabolism/ ANIMAL/ BINDING SITES/ BINDING, COMPETITIVE/ *CARRIER PROTEINS, metabolism/ *DESOXYCORTICOSTERONE, metabolism/ ELECTRON SPIN RESONANCE, methods/ ENGLISH ABSTRACT/ HORMONES, SYNTHETIC, metabolism/ HUMAN/ PROTEIN CONFORMATION/ ROTATION/ SERUM ALBUMIN, BOVINE, metabolism/ TEMPERATURE/ THERMODYNAMICS/ TRANSCORTIN, metabolism

218. **Bassett JM:** Endocrine factors in the control of nutrient utilization: ruminants. Proc Nutr Soc 37(3):273-80, Dec 78
ARTIODACTYLA/ CATTLE/ GLUCAGON, physiology/ *GLUCOSE, metabolism/ *HOMEOSTASIS/ *HORMONES, physiology/ HUMAN/ INSULIN, physiology/ *NUTRITION/ SHEEP/ SOMATOTROPIN, physiology

219. **Bateman DN, Kahn C, Mashiter K, et al:** Pharmacokinetic and concentration-effect studies with intravenous metoclopramide. Br J Clin Pharmacol 6(5):401-7, Nov 78
ADULT/ ALCOHOL, ETHYL, blood/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HALF-LIFE/ HUMAN/ INJECTIONS, INTRAVENOUS/ KINETICS/ MALE/ METOCLOPRAMIDE, administration & dosage/ METOCLOPRAMIDE, blood/ *METOCLOPRAMIDE, metabolism/ PROLACTIN, blood/ TIME FACTORS

220. **Battaglia FC:** Intrauterine growth retardation: an invitational symposium. J Reprod Med 21(5):283-6, Nov 78
ANIMAL/ FEMALE/ *FETAL GROWTH RETARDATION, etiology/ FETUS, physiology/ GROWTH/ HUMAN/ INFARCTION, complications/ MATERNAL-FETAL EXCHANGE/ OXYGEN CONSUMPTION/ PLACENTA DISORDERS, complications/ PLACENTA, blood supply/ PLACENTA, physiopathology/ PREGNANCY/ REGIONAL BLOOD FLOW/ UTERUS, blood supply

221. **Baud CA, Boivin G:** Effects of hormones on osteocyte function and perilacunar wall structure. Clin Orthop (136):270-81, Oct 78 (81 ref.)
CALCITONIN, pharmacodynamics/ CELL WALL, drug effects/ *CELL WALL, ultrastructure/ ESTROGENS, pharmacodynamics/ GLUCOCORTICOIDS, pharmacodynamics/ *HORMONES, pharmacodynamics/ HUMAN/ OSTEOCYTES, drug effects/ *OSTEOCYTES, physiology/ OSTEOCYTES, ultrastructure/ OSTEOLYSIS, drug effects/ PARATHYROID HORMONE, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ REVIEW/ SOMATOTROPIN, pharmacodynamics/ THYROXINE, pharmacodynamics/ VITAMIN D, pharmacodynamics

222. **Bauer HW, Kraus H:** Das schwangerschaftsassoziierte alpha2-Glykoprotein (alpha2-PAG) im Serum von Patientinnen mit gynäkologischen Karzinomen. Onkologie 1(5):180-3, Oct 78 (Eng. Abstr.) **(Ger)**
ADENOCARCINOMA, blood/ ADULT/ AGED/ *ALPHA MACROGLOBULINS, analysis/ CARCINOMA, EPIDERMOID, blood/ CERVIX

NEOPLASMS, blood/ CHORIOCARCINOMA, blood/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ *GENITAL NEOPLASMS, FEMALE, blood/ HUMAN/ OVARIAN NEOPLASMS, blood/ PREGNANCY/ PROGNOSIS/ VAGINAL NEOPLASMS, blood/ VULVAR NEOPLASMS, blood

223. **Baulieu EE:** Cell membrane, a target for steroid hormones. Mol Cell Endocrinol 12(3):247–54, Dec 78 (50 ref.)
ANIMAL/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, metabolism/ MEIOSIS, drug effects/ *OOCYTES, metabolism/ *OVUM, metabolism/ PROGESTERONE, pharmacodynamics/ RECEPTORS, STEROID, metabolism/ REVIEW/ *STEROIDS, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ XENOPUS

224. **Baumann P:** Electrochoc: la pomme de discorde de la psychiatrie moderne. Praxis 68(1):8–16, 3 Jan 79 (57 ref.) (Eng. Abstr.) **(Fre)**
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ AGGRESSION, drug effects/ ANXIETY/ ATROPINE, therapeutic use/ BIOGENIC AMINES/ CONFUSION/ *DEPRESSION, therapy/ DIAZEPAM, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ INTRACRANIAL PRESSURE/ MEMORY/ MENSTRUATION DISORDERS, etiology/ NOREPINEPHRINE, metabolism/ OBESITY, etiology/ PARKINSON DISEASE, therapy/ PREMEDICATION/ PROLACTIN, biosynthesis/ REVIEW/ SCHIZOPHRENIA, therapy/ SEROTONIN, metabolism/ *SHOCK THERAPY, ELECTRIC, standards

225. **Baurmann H, Chioralia G, Kremer F, et al:** Corneapermeabilität für Fluorescein-Natrium im Tierexperiment unter dem Einfluss einiger Medikamente.
Ber Zusammenkunft Dtsch Ophthalmol Ges (75):338–43, 1978 (Eng. Abstr.) **(Ger)**
*ANESTHETICS, pharmacodynamics/ ANIMAL/ CELL MEMBRANE PERMEABILITY, drug effects/ COMPARATIVE STUDY/ *CORNEA, metabolism/ CORNEAL ULCER, metabolism/ *DEXAMETHASONE, pharmacodynamics/ ENGLISH ABSTRACT/ *FLUORESCEINS, metabolism/ *GENTAMICINS, pharmacodynamics/ IN VITRO/ *MYDRIATICS, pharmacodynamics/ OINTMENTS/ RABBITS/ RATS

226. **Bawden JW, Wennberg A:** Ameloblasts--ion transport function. J Dent Res 58 Spec No 8:708–16, Mar 79
*AMELOBLASTS, metabolism/ AMELOGENESIS/ ANIMAL/ *CALCIUM, metabolism/ CATS/ DENTAL ENAMEL, metabolism/ *ENAMEL ORGAN, metabolism/ ION CHANNELS, metabolism/ *PHOSPHORUS, metabolism/ RATS/ *TOOTH GERM, metabolism

227. **Bawin SM, Adey WR, Sabbot IM:** Ionic factors in release of 45Ca2+ from chicken cerebral tissue by electromagnetic fields. Proc Natl Acad Sci USA 75(12):6314–8, Dec 78
ANIMAL/ BICARBONATES, pharmacodynamics/ *BRAIN, metabolism/ *CALCIUM, metabolism/ CHICKENS/ ELECTRIC STIMULATION/ *ELECTROMAGNETIC FIELDS/ *ELECTROMAGNETICS/ IN VITRO/ LANTHANUM, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

228. **Baxter JD:** Mechanisms of glucocorticoid inhibition of growth. Kidney Int 14(4):330–3, Oct 78 (30 ref.)
CHILD/ CHROMATIN, physiology/ DEPRESSION, CHEMICAL/ *GLUCOCORTICOIDS, pharmacodynamics/ *GROWTH INHIBITORS/ *GROWTH, drug effects/ HUMAN/ RECEPTORS, GLUCOCORTICOID, physiology/ REVIEW/ RNA, biosynthesis/ SOMATOMEDIN, biosynthesis/ SOMATOTROPIN, biosynthesis

229. **Baxter MA, Goheer MA, Coore HG:** Absent pyruvate inhibition of pyruvate dehydrogenase kinase in lactating rat mammary gland following various treatments. Removal of circulating insulin and prolactin and exposure to protein synthesis inhibitors. FEBS Lett 97(1):27–31, 1 Jan 79
ANIMAL/ CYCLOHEXIMIDE, pharmacodynamics/ FEMALE/ *INSULIN, blood/ *LACTATION/ MAMMAE, drug effects/ *MAMMAE, enzymology/ MITOCHONDRIA, enzymology/ *PROLACTIN, blood/ PROTEIN KINASE, antagonists & inhibitors/ *PROTEIN KINASE, metabolism/ PUROMYCIN, pharmacodynamics/ PYRUVATE DEHYDROGENASE COMPLEX, antagonists & inhibitors/ *PYRUVATE DEHYDROGENASE COMPLEX, metabolism/ PYRUVATES, pharmacodynamics/ RATS/ STREPTOZOTOCIN, pharmacodynamics/ 2-BROMOERGOCRYPTINE, pharmacodynamics

230. **Beach DH, Jacobson M:** Influences of thyroxine on cell proliferation in the retina of the clawed frog at different ages. J Comp Neurol 183(3):615–23, 1 Feb 79
AGE FACTORS/ ANIMAL/ CELL CYCLE, drug effects/ COMPARATIVE STUDY/ MITOSIS, drug effects/ MITOTIC INDEX, drug effects/ RETINA, cytology/ *RETINA, drug effects/ RETINA, growth & development/ *THYROXINE, pharmacodynamics/ XENOPUS

231. **Beall GN, Chopra IJ, Solomon DH, et al:** Studies of the TSH radioreceptor assay. Acta Endocrinol (Copenh) 90(2):217–26, Feb 79
ANIMAL/ CATTLE/ CELL MEMBRANE, metabolism/ CHROMATOGRAPHY, GEL/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IODINE RADIOISOTOPES, diagnostic use/ PROTEASE INHIBITORS, pharmacodynamics/ *RADIOLIGAND ASSAY/ *THYROID GLAND, metabolism/ *THYROTROPIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

232. **Bean BL, Brown JJ, Casals-Stenzel J, et al:** An altered relation between arterial pressure and plasma angiotensin II concentration resulting from prolonged infusion of angiotensin II. Clin Sci Mol Med 55 Suppl 4:217s–220s, Dec 78
ALDOSTERONE, blood/ ANGIOTENSIN II, blood/ *ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ *BLOOD PRESSURE, drug effects/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ MALE/ STIMULATION, CHEMICAL/ TIME FACTORS

233. **Bean WJ, Aprill CN, Calonje MA, et al:** The 'migrating' placenta: an ultrasound diagnosis. J La State Med Soc 131(1):9–10, Jan 79
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *PLACENTA DISORDERS, diagnosis/ PREGNANCY/ *ULTRASONICS, diagnostic use

234. **Beardsley TR, Hays EF:** Gross murine leukemia virus-induced alterations in the thymus of preleukemic AKR mice. Cancer Res 39(2 Pt 1):480–6, Feb 79
ANIMAL/ GRAFT VS HOST REACTION/ GROSS VIRUS/ *LEUKEMIA, EXPERIMENTAL, etiology/ LYMPHOCYTE TRANSFORMATION/ MICE/ MICE, INBRED AKR/ MITOGENS, pharmacodynamics/ *PRELEUKEMIA, etiology/ T-LYMPHOCYTES, immunology/ THYMUS GLAND, immunology/ THYMUS GLAND, pathology/ *THYMUS NEOPLASMS, etiology/ TUMOR VIRUS INFECTIONS, etiology/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

235. **Beattie D:** Physiological changes in rats exposed to cold/restraint stress. Life Sci 23(23):2307–13, 4 Dec 78
ANIMAL/ BLOOD CELL COUNT/ BLOOD SUGAR, metabolism/ *COLD/ CORTICOSTERONE, blood/ CREATININE, blood/ ELECTROLYTES, blood/ HYDROGEN-ION CONCENTRATION/ INSULIN, blood/ KIDNEY, metabolism/ KIDNEY, physiopathology/ MALE/ RATS/ *RESTRAINT, PHYSICAL/ STRESS, etiology/ STRESS, metabolism/ *STRESS, physiopathology/ THYROXINE, blood/ UREA, blood

236. **Beaudet A, Descarries L:** The monoamine innervation of rat cerebral cortex: synaptic and nonsynaptic axon terminals. Neuroscience 3(10):851–60, 1978
ANIMAL/ AUTORADIOGRAPHY/ AXONS, metabolism/ *BIOGENIC AMINES, metabolism/ *CEREBRAL CORTEX, metabolism/ CEREBRAL CORTEX, ultrastructure/ NEURAL TRANSMISSION/ NOREPINEPHRINE, metabolism/ NOREPINEPHRINE, physiology/ RATS/ SEROTONIN, metabolism/ SEROTONIN, physiology/ SYNAPSES, metabolism

AUTHOR SECTION

237. **Beaudet A, Descarries L:** Radioautographic characterization of a serotonin-accumulating nerve cell group in adult rat hypothalamus. Brain Res 160(2):231-43, 12 Jan 79
ANIMAL/ AUTORADIOGRAPHY/ AXONS, ultrastructure/ AXOPLASMIC FLOW/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *HYPOTHALAMUS, metabolism/ HYPOTHALAMUS, ultrastructure/ HYPOTHALAMUS, MEDIAL, metabolism/ MALE/ NEURONS, metabolism/ NEURONS, ultrastructure/ NOREPINEPHRINE, administration & dosage/ PARAVENTRICULAR NUCLEUS, metabolism/ RATS/ SEROTONIN, administration & dosage/ *SEROTONIN, metabolism/ SYNAPSES, metabolism

238. **Beazley JM, Sells RA, Hipkin LJ, et al:** Failure to suppress adrenal function in congenital adrenal hyperplasia (21-hydroxylase deficiency). Three case reports. Br J Obstet Gynaecol 85(12):965-9, Dec 78
ADOLESCENCE/ *ADRENAL GLAND HYPERFUNCTION, congenital/ ADRENAL GLAND HYPERFUNCTION, drug therapy/ ADRENAL GLAND HYPERFUNCTION, physiopathology/ *ADRENAL GLANDS, physiopathology/ ADRENALECTOMY/ ADULT/ CASE REPORT/ CORTICOTROPIN, secretion/ FEMALE/ *GLUCOCORTICOIDS, SYNTHETIC, therapeutic use/ HUMAN/ SECRETORY RATE, drug effects

239. **Beck LR, Lowry SL:** In vivo evaluation of cholesterol as a matrix for the controlled-release of progesterone. Contraception 18(5):497-505, Nov 78
ANIMAL/ BABOONS/ *CHOLESTEROL, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ MONKEYS/ PROGESTERONE, blood/ *PROGESTERONE, pharmacodynamics

240. **Beck LR, Flowers CE Jr, Blair WD:** The effects of oxytocin on fetal scalp temperature. Obstet Gynecol 53(2):200-2, Feb 79
FEMALE/ *FETUS, drug effects/ FETUS, physiology/ HUMAN/ LABOR, INDUCED/ *OXYTOCIN, pharmacodynamics/ PLACENTA, blood supply/ PREGNANCY/ REGIONAL BLOOD FLOW, drug effects/ SCALP/ *SKIN TEMPERATURE, drug effects/ UTERINE CONTRACTION, drug effects

241. **Beck NF, Tucker HA:** Mammary arterial and venous concentrations of serum insulin in lactating dairy cows. Proc Soc Exp Biol Med 159(3):394-6, Dec 78
ANIMAL/ CATTLE/ FEMALE/ *INSULIN, blood/ INSULIN, metabolism/ *LACTATION/ MAMMAE, blood supply/ *MAMMAE, metabolism/ MAMMARY ARTERIES/ PREGNANCY/ RECEPTORS, INSULIN, metabolism/ REGIONAL BLOOD FLOW/ VEINS

242. **Becker K, Lombeck I, Bremer HJ:** Primäre Hypomagnesiämie. Klinischer Verlauf, diagnostische und therapeutische Untersuchungen bei drei Kindern. Monatsschr Kinderheilkd 127(1):37-42, Jan 79 (Eng. Abstr.) (Ger)
CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOCALCEMIA, complications/ INFANT/ INFANT, NEWBORN/ INTESTINAL ABSORPTION/ *MAGNESIUM, blood/ MAGNESIUM, metabolism/ MAGNESIUM, therapeutic use/ MALE/ TETANY, drug therapy/ *TETANY, etiology

243. **Becker R:** Zur Bioverfügbarkeit von Ossin, einem Natriumfluorid-Dragee für die Osteoporose-Therapie. Fortschr Med 97(1):39-42, 4 Jan 79 (Eng. Abstr.) (Ger)
BIOLOGICAL AVAILABILITY/ ENGLISH ABSTRACT/ *FLUORIDES, metabolism/ HUMAN/ *OSTEOPOROSIS, drug therapy/ SODIUM FLUORIDE, blood/ *SODIUM FLUORIDE, metabolism/ SODIUM FLUORIDE, therapeutic use/ TABLETS

244. **Becker S, Hadding U, Schorlemmer HU, et al:** Demonstration of high-affinity binding sites for C3a anaphylatoxin on guinea-pig platelets. Scand J Immunol 8(6):551-5, 1978
*ANAPHYLATOXINS/ ANIMAL/ BINDING SITES/ *BLOOD PLATELETS, immunology/ CARBOXYPEPTIDASES, pharmacodynamics/ *COMPLEMENT 3/ GUINEA PIGS/ *PEPTIDES/ SEROTONIN, secretion/ TEMPERATURE

245. **Beckstead RM:** An autoradiographic examination of corticocortical and subcortical projections of the mediodorsal-projection (prefrontal) cortex in the rat. J Comp Neurol 184(1):43-62, 1 Mar 79
ANIMAL/ AUTORADIOGRAPHY/ *CEREBRAL CORTEX, anatomy & histology/ CORPUS CALLOSUM, anatomy & histology/ EFFERENT PATHWAYS, anatomy & histology/ FEMALE/ HYPOTHALAMUS, anatomy & histology/ LIMBIC SYSTEM, anatomy & histology/ MALE/ MESENCEPHALON, anatomy & histology/ NERVE FIBERS, ultrastructure/ RATS/ THALAMUS, anatomy & histology/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

246. **Bedarkar S, Blundell TL, Dockerill S, et al:** Polypeptide hormone-receptor interactions: the structure and receptor binding of insulin and glucagon. Ciba Found Symp (60):105-21, 1977
ADIPOSE TISSUE, metabolism/ ANIMAL/ *GLUCAGON, metabolism/ *INSULIN, metabolism/ MOLECULAR MODELS/ PROINSULIN/ PROTEIN BINDING/ PROTEIN CONFORMATION/ RATS/ *RECEPTORS, HORMONE/ RECEPTORS, HORMONE, metabolism/ *RECEPTORS, INSULIN/ RECEPTORS, INSULIN, metabolism/ X-RAY DIFFRACTION

247. **Beer AE:** Possible immunologic bases of preeclampsia/eclampsia. Semin Perinatol 2(1):39-59, Jan 78
ANIMAL/ ABO BLOOD-GROUP SYSTEM/ *ECLAMPSIA, immunology/ ECLAMPSIA, pathology/ FEMALE/ HUMAN/ HL-A ANTIGENS, analysis/ KIDNEY, immunology/ KIDNEY, pathology/ LYMPHOCYTES, immunology/ MICE/ ORGAN WEIGHT/ PLACENTA, immunology/ PLACENTA, pathology/ *PRE-ECLAMPSIA, immunology/ PRE-ECLAMPSIA, pathology/ PREGNANCY/ PREGNANCY, MULTIPLE/ RATS/ RH-HR BLOOD-GROUP SYSTEM/ SEX CHROMOSOME ABNORMALITIES/ SEX RATIO/ TRANSPLANTATION IMMUNOLOGY/ TROPHOBLAST, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

248. **Bégeot M, Dubois MP, Dubois PM:** Immunologic localization of alpha- and beta-endorphins and beta-lipotropin in corticotropic cells of the normal and anencephalic fetal pituitaries. Cell Tissue Res 193(3):413-22, 30 Oct 78
*ANENCEPHALY, embryology/ ANENCEPHALY, metabolism/ *CORTICOTROPIN, isolation & purification/ *ENDORPHINS, isolation & purification/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GESTATIONAL AGE/ HUMAN/ *LIPOTROPIN, isolation & purification/ MALE/ PITUITARY GLAND, analysis/ *PITUITARY GLAND, embryology/ PITUITARY GLAND, ANTERIOR, analysis

249. **Béguin F:** Provocation de l'accouchement par les prostaglandines. Gynaekol Rundsch 18 Suppl 1:16-27, 1978 (Fre)
ANIMAL/ COMPARATIVE STUDY/ FEMALE/ FETAL HEART, drug effects/ HEART RATE, drug effects/ HUMAN/ HYDROGEN-ION CONCENTRATION/ INFANT, NEWBORN/ *LABOR, INDUCED/ MATERNAL-FETAL EXCHANGE/ MONKEYS/ OXYTOCIN, pharmacodynamics/ PREGNANCY/ *PROSTAGLANDINS E/ PROSTAGLANDINS E, pharmacodynamics/ *PROSTAGLANDINS F/ PROSTAGLANDINS F, pharmacodynamics/ RHESUS MONKEYS/ UTERINE CONTRACTION, drug effects

250. **Behari J, Chandra SV, Tandon SK:** Comparative toxicity of trivalent and hexavalent chromium to rabbits. III. Biochemical and histological changes in testicular tissue. Acta Biol Med Ger 37(3):463-8, 1978
ACID PHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL/ *CHROMATES, pharmacodynamics/ *CHROMIUM, pharmacodynamics/ MALE/ *POTASSIUM DICHROMATE, pharmacodynamics/ RABBITS/ SUCCINATE DEHYDROGENASE, metabolism/ TESTIS, drug effects/ TESTIS, enzymology/ *TESTIS, pathology

251. **Belardetti F, Borgia R, Mancia M:** Meccanismi prosencefalici desincronizzanti nel gatto 'cerveau isolé' cronico.
Riv Neurol 48(4):365–71, Jul–Aug 78 **(Ita)**
ANIMAL/ CATS/ *DIENCEPHALON, physiology/ ELECTRIC STIMULATION/ ELECTROENCEPHALOGRAPHY/ HYPOTHALAMUS, physiology/ *TELENCEPHALON, physiology

252. **Belchetz P, Dufy B, Knobil E:** Identification of inhibitory and stimulatory control of prolactin secretion in the rhesus monkey. Neuroendocrinology 27(1–2):32–8, 1978
ANIMAL/ CASTRATION/ FEMALE/ LH, blood/ MONKEYS/ PERIODICITY/ *PROLACTIN, blood/ RESTRAINT, PHYSICAL/ RHESUS MONKEYS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

253. **Belicza M, Ilic J, Križanac S:** Solitarni adenomi kore nadbubrežne žlijezde u rutinskim obdukcijama.
Lijec Vjesn 100(8):478–81, Aug 78 (Eng. Abstr.) **(Scr)**
*ADENOMA, pathology/ *ADRENAL CORTEX NEOPLASMS, pathology/ ADULT/ AGED/ AUTOPSY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE

254. **Bélisle S:** Explorations hormonales dynamiques durant la grossesse: critique et interprétations cliniques.
Can Med Assoc J 119(11):1307–9, 9 Dec 78 (Eng. Abstr.) **(Fre)**
ANDROSTENEDIONE, blood/ *DEHYDROEPIANDROSTERONE, metabolism/ ENGLISH ABSTRACT/ ESTETROL, biosynthesis/ ESTRADIOL, biosynthesis/ FEMALE/ HUMAN/ *PLACENTAL FUNCTION TESTS/ PREGNANCY/ PRENATAL DIAGNOSIS/ SULFATASES, deficiency

255. **Belletti S, Gallini S, Paroli M:** Valutazione della dose assorbita per indagini schermografiche di massa nell'età scolare per la provincia di Brescia. Radiol Med (Torino) 64(10):1142–3, Oct 78 **(Ita)**
AGE FACTORS/ BODY BURDEN/ CHILD/ GONADS, radiation effects/ HUMAN/ *MASS CHEST X-RAY, adverse effects/ *RADIATION DOSAGE

256. **Bellossi A:** Echographie et thermographie en pathologie tumorale thyroïdienne. Etude de 135 nodules hypofixants.
Ann Radiol (Paris) 21(6):409–10, Jul–Sep 78 (Eng. Abstr.) **(Fre)**
ADENOMA, diagnosis/ COMPARATIVE STUDY/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ GOITER, diagnosis/ HUMAN/ HYPERTHYROIDISM, diagnosis/ THERMOGRAPHY/ *THYROID NEOPLASMS, diagnosis/ *ULTRASONICS, diagnostic use

257. **Beloshevskiĭ VA, Taranenko AF:** Sluchaĭ dlitel'noĭ remissii pri ostrom limfoblastnom leĭkoze u vzroslogo bol'nogo.
Probl Gematol Pereliv Krovi 24(1):52, Jan 79 **(Rus)**
ANTINEOPLASTIC AGENTS, administration & dosage/ CASE REPORT/ DRUG THERAPY, COMBINATION/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, drug therapy/ MALE/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ REMISSION/ TIME FACTORS

258. **Beltrán Hernández J, García Triana Y, Millares Cao CM, et al:** Relación entre eritropoyesis, andrógenos y prostaglandinas. Sangre (Barc) 23(5):521–5, 1978 (Eng. Abstr.) **(Spa)**
*ANDROGENS, administration & dosage/ ANIMAL/ ENGLISH ABSTRACT/ *ERYTHROPOIESIS, drug effects/ *PROSTAGLANDINS E, administration & dosage/ *PROSTAGLANDINS F, administration & dosage/ RATS/ SPLEEN, physiology/ STIMULATION, CHEMICAL

259. **Ben-Ari Y, Lagowska J:** Action épileptogène induite par des injections intraamygdaliennes d'acide kainique.
C R Acad Sci [D] (Paris) 287(8):813–6, 9 Oct 78 (Eng. Abstr.) **(Fre)**
AMYGDALOID BODY, pathology/ ANIMAL/ *CONVULSIONS, chemically induced/ CONVULSIONS, drug therapy/ CONVULSIONS, pathology/ DIAZEPAM, therapeutic use/ DISEASE MODELS, ANIMAL/ ENGLISH ABSTRACT/ HIPPOCAMPUS, pathology/ INJECTIONS/ KAINIC ACID, administration & dosage/ *KAINIC ACID, adverse effects/ MALE/ *PYRROLIDINES, adverse effects/ RATS/ STATUS EPILEPTICUS, chemically induced/ STATUS EPILEPTICUS, pathology

260. **Ben-Ari Y, Lagowska Y, Le Gal La Salle G, et al:** Diazepam pretreatment reduces distant hippocampal damage induced by intra-amygdaloid injections of kainic acid.
Eur J Pharmacol 52(3–4):419–20, 1 Dec 78
AMYGDALOID BODY/ ANIMAL/ CONVULSANTS/ *DIAZEPAM, pharmacodynamics/ *HIPPOCAMPUS, drug effects/ INJECTIONS/ KAINIC ACID, administration & dosage/ *KAINIC ACID, antagonists & inhibitors/ KAINIC ACID, pharmacodynamics/ MALE/ NECROSIS, chemically induced/ *PYRROLIDINES, antagonists & inhibitors/ RATS

261. **Ben Ezra D:** Dexamethasone inhibition of cell proliferation [letter] Invest Ophthalmol Vis Sci 18(2):220–1, Feb 79
ANIMAL/ CELL DIVISION, drug effects/ *DEXAMETHASONE, pharmacodynamics/ ENDOTHELIUM, cytology/ ENDOTHELIUM, drug effects/ MICROCIRCULATION/ RATS/ *RETINAL VEIN, cytology

262. **Benallegue A, Tabbakh E:** La leishmaniose viscérale en Algérie.
Med Trop (Mars) 38(4):425–33, Jul–Aug 78 (Eng. Abstr.) **(Fre)**
ALGERIA/ ARTHROPOD VECTORS/ CHILD/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ DRUG ADMINISTRATION SCHEDULE/ ENGLISH ABSTRACT/ HUMAN/ IGG, analysis/ IMMUNOELECTROPHORESIS/ INFANT/ *LEISHMANIASIS, VISCERAL, diagnosis/ LEISHMANIASIS, VISCERAL, immunology/ LEISHMANIASIS, VISCERAL, occurrence/ MEGLUMINE, therapeutic use/ PHLEBOTOMUS, parasitology/ PREDNISONE, therapeutic use

263. **Bendtzen K:** Leukocyte migration inhibitory factor: a serine esterase released by stimulated human lymphocytes. Kinetic analysis and inhibition by cyclic GMP.
Biochim Biophys Acta 566(1):183–91, 12 Jan 79
CONCANAVALIN A, pharmacodynamics/ *ESTERASES, metabolism/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ HUMAN/ IN VITRO/ KINETICS/ *LYMPHOCYTE TRANSFORMATION/ *LYMPHOCYTES, metabolism/ LYMPHOKINES, antagonists & inhibitors/ *LYMPHOKINES, metabolism

264. **Bendtzen K:** Leukocytmigrations-haemmende faktor (LIF). Fra biologisk test til biokemisk karakteristik af dette lymfokin.
Ugeskr Laeger 141(6):377–80, 5 Feb 79 (Eng. Abstr.) **(Dan)**
ANIMAL/ ENGLISH ABSTRACT/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HUMAN/ IMMUNOENZYME TECHNICS/ IMMUNOLOGIC TECHNICS/ *LYMPHOKINES

265. **Benediktov II, Kasiukova OA:** Polovoe razvitie i konstitutsional'nyĭ faktor u devochek, rodivshikhsia nedonoshennymi. Vopr Okhr Materin Det 23(11):46–8, Nov 78 **(Rus)**
ADOLESCENCE/ ADULT/ *BODY CONSTITUTION/ CHILD/ FEMALE/ GENITALIA, FEMALE, physiology/ HUMAN/ INFANT/ INFANT, NEWBORN/ *INFANT, PREMATURE/ *PUBERTY

266. **Beninger RJ, Laferrière A, Milner PM:** An investigation of responding on schedules of electrical brain-stimulation reinforcement. Can J Psychol 32(2):106–15, Jun 78
ANIMAL/ *CONDITIONING, OPERANT, physiology/ FOOD/ HYPOTHALAMUS, physiology/ MALE/ RATS/ *REINFORCEMENT (PSYCHOLOGY)/ *REINFORCEMENT SCHEDULE/ *SELF STIMULATION, physiology

267. **Benjamin M:** Cytological changes in prolactin, ACTH, and growth hormone cells of the pituitary gland of Pungitius pungitius L. in response to increased environmental salinities.
Gen Comp Endocrinol 36(1):48–58, Sep 78
ANIMAL/ *CORTICOTROPIN, physiology/ FEMALE/ *FISHES, physiology/ MALE/ OSMOLAR CONCENTRATION/ *PITUITARY GLAND, cytology/ *PROLACTIN, physiology/ SEAWATER/ *SODIUM CHLORIDE/ *SOMATOTROPIN, physiology/ *STICKLEBACKS, physiology

268. **Benlloch Navarro R:** Algunas consideraciones acerca de las alteraciones endocrinas en los tumores testiculares. Arch Esp Urol 31(5):433–48, Sep–Oct 78 (Eng. Abstr.) **(Spa)**
*ENDOCRINE DISEASES, etiology/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *TESTICULAR NEOPLASMS, complications

269. **Bennett HP, Hudson AM, Kelly L, et al:** A rapid method, using octadecasilyl-silica, for the extraction of certain peptides from tissues. Biochem J 175(3):1139–41, 1 Dec 78
ANIMAL/ CORTICOTROPIN, isolation & purification/ MALE/ METHODS/ *PEPTIDES, isolation & purification/ RATS/ *SILICA, analogs & derivatives/ SOMATOTROPIN RELEASE INHIBITING HORMONE, isolation & purification

270. **Bennett LL:** Herbert Mc Lean Evans, a rare spirit. Perspect Biol Med 22(1):90–103, Autumn 78
ANATOMY, education/ ANATOMY, history/ CALIFORNIA/ *ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 20TH CENT.

271. **Bennett RM, Bong DM, Spargo BH:** Neuropsychiatric problems in mixed connective tissue disease. Am J Med 65(6):955–62, Dec 78
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ CASE REPORT/ *CEREBELLAR ATAXIA, etiology/ *CONVULSIONS, etiology/ FEMALE/ HUMAN/ *MENINGITIS, etiology/ MENINGITIS, ASEPTIC, drug therapy/ *MENINGITIS, ASEPTIC, etiology/ MIDDLE AGE/ *MIXED CONNECTIVE TISSUE DISEASE, complications/ MIXED CONNECTIVE TISSUE DISEASE, psychology/ *PERIPHERAL NERVE DISEASES, etiology/ *PSYCHOSES, etiology

272. **Benoit Gonin JJ, David M, Feit JP, et al:** La dysplasie septo-optique avec déficit en hormone antidiurétique et insuffisance surrénale centrale. Trois nouvelles observations chez le nourrisson. Nouv Presse Med 7(37):3327–31, 28 Oct 78 (Eng. Abstr.) **(Fre)**
*ADRENAL GLAND HYPOFUNCTION, complications/ CASE REPORT/ CHILD, PRESCHOOL/ DIABETES INSIPIDUS, complications/ DIABETES INSIPIDUS, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOPITUITARISM, complications/ INFANT/ INFANT, NEWBORN/ MALE/ *OPTIC NERVE, abnormalities/ *SEPTUM PELLUCIDUM, abnormalities/ *VASOPRESSINS, deficiency/ VASOPRESSINS, therapeutic use

273. **Benowitz LI, Greene LA:** Nerve growth factor in the goldfish brain: biological assay studies using pheochromocytoma cells. Brain Res 162(1):164–8, 16 Feb 79
ANIMAL/ *BIOLOGICAL ASSAY, methods/ *BRAIN, metabolism/ CEREBELLUM, metabolism/ EPENDYMA, metabolism/ GOLDFISH/ *NERVE GROWTH FACTOR, metabolism/ NERVE REGENERATION, drug effects/ *PHEOCHROMOCYTOMA/ SUPERIOR COLLICULUS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

274. **Bensch C, Lescure H, Dufy B, et al:** Histofluorométrie des catécholamines de la couche externe de l'éminence médiane hypothalamique de la lapine. Variations anatomiques et au cours de l'activation de l'axe hypothalamo-gonadique. Ann Endocrinol (Paris) 39(4):281–302, Jul–Aug 78 (Eng. Abstr.) **(Fre)**
ANIMAL/ COPULATION, physiology/ *DOPAMINE, analysis/ ENGLISH ABSTRACT/ FEMALE/ FLUOROMETRY, methods/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, analysis/ *MEDIAN EMINENCE, analysis/ MEDIAN EMINENCE, physiology/ *OVARY, physiology/ OVULATION/ PREGNANCY/ RABBITS

275. **Bensusan HB, Koh TL, Henry KG, et al:** Evidence that fibronectin is the collagen receptor on platelet membranes. Proc Natl Acad Sci USA 75(12):5864–8, Dec 78
ANTIGEN-ANTIBODY COMPLEX/ ANTIGENS, SURFACE/ BINDING, COMPETITIVE/ *BLOOD PLATELETS, metabolism/ *COLLAGEN, metabolism/ CRYOGLOBULINS, immunology/ CRYOGLOBULINS, metabolism/ *MEMBRANE PROTEINS, metabolism/ MOLECULAR WEIGHT/ PROTEIN BINDING/ *RECEPTORS, DRUG, metabolism/ SEROTONIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

276. **Benz J, Juchli P:** Sekundäre Amenorrhoe bei Nebennierenrindentumor. Geburtshilfe Frauenheilkd 39(2):157–60, Feb 79 (Eng. Abstr.) **(Ger)**
ADENOMA, complications/ ADENOMA, surgery/ *ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, surgery/ ADULT/ *AMENORRHEA, etiology/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ VIRILISM, etiology

277. **Beral V, Kay C:** The pill and circulatory disease. Am Heart J 97(2):263–4, Feb 79
ADULT/ CEREBRAL EMBOLISM AND THROMBOSIS, chemically induced/ CEREBRAL EMBOLISM AND THROMBOSIS, mortality/ *CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ CORONARY DISEASE, chemically induced/ CORONARY DISEASE, mortality/ FEMALE/ HUMAN/ PULMONARY EMBOLISM, chemically induced/ PULMONARY EMBOLISM, mortality/ *THROMBOEMBOLISM, chemically induced/ THROMBOEMBOLISM, mortality

278. **Beraud G, Audrain M:** Possible neonatal imprinting of luteinizing hormone feedback by testosterone in male rats. J Endocrinol 79(2):241–2, Nov 78
ANIMAL/ *ANIMALS, NEWBORN, physiology/ CASTRATION/ FEEDBACK/ LH, blood/ *LH, secretion/ MALE/ RATS/ TESTOSTERONE, pharmacodynamics/ *TESTOSTERONE, physiology

279. **Bercu BB, Jackson IM, Reichlin S:** Delayed puberty after immunological blockade of endogenous LH-RH in female rats. Proc Soc Exp Biol Med 160(1):123–5, Jan 79
AGE FACTORS/ ANIMAL/ FEMALE/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ LH-FSH RELEASING HORMONE, immunology/ *LH-FSH RELEASING HORMONE, physiology/ OVARY, physiology/ RATS/ *SEX MATURATION/ UNITED STATES GOV'T SUPPORTED, P.H.S.

280. **Berdina NA, Kots JM, Rodionov IM, et al:** Cholinergic and adrenergic influences upon cat skeletal muscle performance induced by stimulation of the anterior hypothalamus. Pfluegers Arch 378(2):149–54, 28 Dec 78
ANIMAL/ ATROPINE, pharmacodynamics/ CATS/ *HYPOTHALAMUS, physiology/ *HYPOTHALAMUS, ANTERIOR, physiology/ *MUSCLE CONTRACTION/ MUSCLE CONTRACTION, drug effects/ MUSCLE DENERVATION/ *MUSCLES, blood supply/ MUSCLES, innervation/ *PARASYMPATHETIC NERVOUS SYSTEM, physiology/ PROPRANOLOL, pharmacodynamics/ *SYMPATHETIC NERVOUS SYSTEM, physiology/ TIME FACTORS/ VASOMOTOR SYSTEM, drug effects/ *VASOMOTOR SYSTEM, physiology

281. **Berek JS, Darney PD, Lopkin C, et al:** Avoiding ureteral damage in pelvic surgery for ovarian remnant syndrome. Am J Obstet Gynecol 133(2):221–2, 15 Jan 79
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *HYSTERECTOMY, adverse effects/ *OVARIAN DISEASES, surgery/ *URETER, injuries/ *URETERAL OBSTRUCTION, etiology/ URETERAL OBSTRUCTION, surgery

282. **Berg S, Garbe G, Luerssen B:** Die Bedeutung topischer Differenzen und kadaveröser Veränderungen der Histamin- und Serotoninwerte für die Wundaltersbestimmung im Tierversuch. Z Rechtsmed 82(3):165–74, 20 Dec 78 (Eng. Abstr.) **(Ger)**
ANIMAL/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ GUINEA PIGS/ *HISTAMINE, metabolism/ *POSTMORTEM CHANGES/ *SEROTONIN, metabolism/ SKIN, injuries/ TIME FACTORS/ *WOUNDS AND INJURIES, metabolism

283. **Berger GM:** High-density lipoproteins in the prevention of atherosclerotic heart disease. Part I. Epidemiological and family studies. S Afr Med J 54(17):689–93, 21 Oct 78 (40 ref.)
ADOLESCENCE/ ADULT/ AGED/ AGING/ BLACKS/ CHILD/ CHILD, PRESCHOOL/ CONTRACEPTIVES, ORAL, pharmacodynamics/ CORONARY DISEASE, familial & genetic/

*CORONARY DISEASE, occurrence/ CORONARY DISEASE, prevention & control/ EXERTION/ HAWAII/ HUMAN/ HYPERLIPEMIA, familial & genetic/ HYPOBETALIPOPROTEINEMIA, familial & genetic/ INFANT, NEWBORN/ JAMAICA/ JAPAN, ethnology/ *LIPOPROTEINS, HDL, blood/ LIPOPROTEINS, LDL, blood/ LONDON/ MIDDLE AGE/ NEW ZEALAND/ NORWAY/ REVIEW/ SEX FACTORS/ SMOKING/ UNITED STATES/ WHITES

284. **Berger GM:** High-density lipoproteins in the prevention of atherosclerotic heart disease. Part II. Biochemical role in the pathogenesis of atherosclerosis. S Afr Med J 54(17):693-7, 21 Oct 78 (51 ref.)
ADRENAL CORTEX, cytology/ ANTICHOLESTEREMIC AGENTS/ CELLS, CULTURED, metabolism/ CHOLESTEROL ESTERS, metabolism/ CHOLESTEROL, metabolism/ CHYLOMICRONS, biosynthesis/ CORONARY DISEASE, etiology/ *CORONARY DISEASE, metabolism/ CORONARY DISEASE, prevention & control/ ESTERIFICATION/ FATTY STREAK, ARTERIAL, metabolism/ HUMAN/ *LIPOPROTEINS, HDL, blood/ LIPOPROTEINS, HDL, metabolism/ LIPOPROTEINS, HDL, physiology/ LIPOPROTEINS, LDL, antagonists & inhibitors/ LIPOPROTEINS, VLDL, biosynthesis/ LIVER, metabolism/ REVIEW/ TANGIER DISEASE, metabolism/ WHOLE BODY COUNTING

285. **Berger M:** Betarezeptorenhemmer in Prä- und Postmenopause. Gynaekol Rundsch 18 Suppl 1:160-1, 1978 **(Ger)**
ADRENERGIC BETA RECEPTOR BLOCKADERS, administration & dosage/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ *CLIMACTERIC, drug effects/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DRUG THERAPY, COMBINATION/ ESTROGENS, administration & dosage/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN

286. **Berger M, Jean-Faucher C, De Turckheim M, et al:** The effect of unilateral castration on plasma and testicular testosterone in rabbits from birth to 60 days.
Arch Int Physiol Biochim 86(4):799-808, Oct 78
AGE FACTORS/ ANIMAL/ *ANIMALS, NEWBORN, metabolism/ *CASTRATION/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ LATERALITY/ MALE/ RABBITS/ *TESTIS, physiology/ TESTOSTERONE, blood/ *TESTOSTERONE, metabolism

287. **Bergh T, Nillius SJ, Wide L:** Serum prolactin and gonadotrophin levels before and after luteinizing hormone-releasing hormone in the investigation of amenorrhoea. Br J Obstet Gynaecol 85(12):945-56, Dec 78
ADOLESCENCE/ ADULT/ AMENORRHEA, blood/ *AMENORRHEA, diagnosis/ AMENORRHEA, etiology/ BODY WEIGHT/ ESTROGENS, blood/ FEMALE/ *FSH, blood/ HUMAN/ *LH, blood/ *LH-FSH RELEASING HORMONE, diagnostic use/ PITUITARY GLAND, radiography/ PROGESTERONE, blood/ *PROLACTIN, blood

288. **Bergmann F, Altstetter R, Weissman BA:** In vivo interaction of morphine and endogenous opiate-like peptides.
Life Sci 23(26):2601-8, 25 Dec 78
ANIMAL/ DRUG INTERACTIONS/ *ENDORPHINS, cerebrospinal fluid/ *ENKEPHALINS, cerebrospinal fluid/ ENKEPHALINS, immunology/ MALE/ *MORPHINE, pharmacodynamics/ NALOXONE, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ STEREOTYPED BEHAVIOR, drug effects/ TIME FACTORS

289. **Bergol'ts VM:** Immunologiia i immunoterapiia leĭkoza (osnovnye rezul'taty 8-letnikh issledovanil. Vopr Onkol 24(11):16-24, 1978 (Eng. Abstr.) **(Rus)**
ANIMAL/ ANTIBODIES, NEOPLASM, biosynthesis/ ANTIBODY FORMATION/ *BCG VACCINE, therapeutic use/ CHILD/ ENGLISH ABSTRACT/ HUMAN/ IGM, biosynthesis/ LEUKEMIA, EXPERIMENTAL, immunology/ *LEUKEMIA, LYMPHOBLASTIC, immunology/ LEUKEMIA, LYMPHOBLASTIC, therapy/ *LEUKEMIA, MYELOBLASTIC, immunology/ LEUKEMIA, MYELOBLASTIC, therapy/ MICE/ PREDNISOLONE, therapeutic use/ RAUSCHER VIRUS

290. **Bergqvist A, Friberg K, Hennung P, et al:** IUP och p-piller. Uppföljning av hur dessa metoder fungerat för 504 kvinnor. Lakartidningen 76(3):125-8, 17 Jan 79 (Eng. Abstr.) **(Swe)**
ADOLESCENCE/ ADULT/ *CONTRACEPTIVES, ORAL/ *CONTRACEPTIVES, ORAL, COMBINED/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ *INTRAUTERINE DEVICES, COPPER/ MIDDLE AGE

291. **Berkowitz BA:** Vascular relaxation and aging. pp. 173-80. In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977. (37 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *AGING/ ANIMAL/ AORTA, physiology/ CATS/ DOGS/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ HUMAN/ HYPERTENSION, physiopathology/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ MALE/ MESENTERIC ARTERIES, physiology/ MONOGRAPH/ MUSCLE RELAXATION/ PORTAL VEIN, physiology/ PULMONARY ARTERY, physiology/ RABBITS/ RATS/ REVIEW/ THYROID HORMONES, pharmacodynamics/ *VASODILATION/ VASODILATION, drug effects

292. **Bernades P, Nataf C, Courreges JP, et al:** Hypergastrinémie secondaire à une achlorhydrie au cours de l'hyperparathyroïdie primaire. Deux observations.
Nouv Presse Med 7(38):3461, 4 Nov 78 **(Fre)**
*ACHLORHYDRIA, blood/ ACHLORHYDRIA, complications/ AGED/ CASE REPORT/ FEMALE/ *GASTRINS, blood/ HUMAN/ *HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, complications/ MIDDLE AGE

293. **Berndt H, Wagner H:** Der Einfluss der Schilddrüsenfunktion aud den lärmbedingten Innenohrschaden.
Arch Otorhinolaryngol 221(3):183-7, 31 Oct 78 (Eng. Abstr.) **(Ger)**
ADENYL CYCLASE, metabolism/ ANIMAL/ ENERGY METABOLISM/ ENGLISH ABSTRACT/ GUINEA PIGS/ *HEARING LOSS, NOISE-INDUCED, etiology/ HEARING LOSS, NOISE-INDUCED, prevention & control/ HYPERTHYROIDISM, physiopathology/ HYPOTHYROIDISM, complications/ ORGAN OF CORTI, metabolism/ *THYROID GLAND, metabolism/ THYROXINE, metabolism

294. **Bernocchi G, Crabi M, Mazzini G:** Biogenic amines during postnatal development of rat's cerebellum. Cell Mol Biol 23(3):317-25, 1978
AGE FACTORS/ ANIMAL/ *BIOGENIC AMINES, metabolism/ CATECHOLAMINES, metabolism/ CEREBELLUM, growth & development/ *CEREBELLUM, metabolism/ NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, metabolism

295. **Bernstein IS, Gordon TP, Rose RM, et al:** Influences of sexual and social stimuli upon circulating levels of testosterone in male pigtail macaques. Behav Biol 24(3):400-4, Nov 78
ANIMAL/ FEMALE/ MACACA/ MALE/ MONKEYS/ SEASONS/ *SEX/ *SOCIAL CONDITIONS/ *TESTOSTERONE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

296. **Bertaglia A, Citti U, Barbanti Silva C, et al:** Considerazioni clinico-statistiche sul ruolo del taglio cesareo nell'espletamento del parto. Minerva Ginecol 30(11):967-74, Nov 78 **(Ita)**
ADULT/ *CESAREAN SECTION/ DYSTOCIA/ ECLAMPSIA/ FEMALE/ FETAL DISTRESS/ GENITAL DISEASES, FEMALE/ HUMAN/ INFANT MORTALITY/ ITALY/ LABOR COMPLICATIONS/ LABOR PRESENTATION/ PLACENTA DISORDERS/ POSTOPERATIVE COMPLICATIONS/ PREGNANCY COMPLICATIONS/ PREGNANCY/ UTERINE INERTIA/ UTERINE RUPTURE

297. **Bertagna X, Donnadieu M, Seurin D, et al:** Immunoreactive beta-MSH in human plasma and in a corticotrophic adenoma culture medium. Its relation to the lipotrophins.
Acta Endocrinol (Copenh) 90(1):8-17, Jan 79

*ADDISON'S DISEASE, blood/ *ADENOMA, analysis/ BUFFERS/ CHROMATOGRAPHY, GEL/ CORTICOTROPIN, blood/ CULTURE MEDIA/ HUMAN/ *LIPOTROPIN/ LIPOTROPIN, analysis/ MOLECULAR WEIGHT/ MSH, analysis/ *MSH, blood/ MSH, immunology/ *NELSON SYNDROME, blood/ *PITUITARY NEOPLASMS, analysis/ *PITUITARY NEOPLASMS, blood/ RADIOIMMUNOASSAY

298. **Bertagna XY, Nicholson WE, Sorenson GD, et al:** Corticotropin, lipotropin, and beta-endorphin production by a human nonpituitary tumor in culture: evidence for a common precursor. Proc Natl Acad Sci USA 75(10):5160–4, Oct 78
*CARCINOMA, OAT CELL, secretion/ CELL LINE/ CHROMATOGRAPHY, GEL/ *CORTICOTROPIN, secretion/ *ENDORPHINS, secretion/ HORMONES, ECTOPIC/ *LIPOTROPIN, secretion/ *LUNG NEOPLASMS, secretion/ MOLECULAR WEIGHT/ PROTEIN PRECURSORS, secretion/ UNITED STATES GOV'T SUPPORTED, P.H.S.

299. **Bertelli A, Schinetti ML, Greco R:** Effetto protettivo della fosfomicina sulla degranulazione mastocitaria sperimentalmente indotta. Minerva Med 69(59):4071–3, 1 Dec 78 **(Ita)**
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *ANTIBIOTICS, pharmacodynamics/ COMPOUND 48–80, antagonists & inhibitors/ *FOSFOMYCIN, pharmacodynamics/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *HISTAMINE LIBERATION, drug effects/ MALE/ *MAST CELLS, drug effects/ MAST CELLS, metabolism/ RATS

300. **Berthelot A, Pernot F, Gairard A:** Increase in urinary excretion of phosphates, hydroxyproline, and cAMP during acetate desoxycorticosterone + saline treatment in the rat. Arch Int Pharmacodyn Ther 235(2):196–203, Oct 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ ANIMAL/ CALCIUM, blood/ CALCIUM, urine/ *DESOXYCORTICOSTERONE, pharmacodynamics/ *HYDROXYPROLINE, urine/ MALE/ PARATHYROID GLANDS, physiology/ *PHOSPHATES, urine/ RATS/ THYROIDECTOMY/ TIME FACTORS

301. **Bertilsson L:** Mechanism of action of benzodiazepines – the GABA hypothesis. Acta Psychiatr Scand [Suppl] (274):19–26, 1978 (24 ref.)
ACETYLCHOLINE, metabolism/ ANIMAL/ *BENZODIAZEPINES, pharmacodynamics/ *BRAIN, drug effects/ BRAIN, metabolism/ CATECHOLAMINES, metabolism/ CEREBELLUM, metabolism/ DIAZEPAM, metabolism/ GANGLIA, AUTONOMIC, drug effects/ GLUTAMATES, metabolism/ GLYCINE, metabolism/ GUANOSINE MONOPHOSPHATE, metabolism/ *GABA, metabolism/ GABA, pharmacodynamics/ HUMAN/ MUSCIMOL, pharmacodynamics/ NEURONS, metabolism/ REVIEW/ SEROTONIN, metabolism/ SYNAPTIC RECEPTORS, drug effects

302. **Bertina RM, Veltkamp JJ:** The abnormal factor IX of hemophilia B+ variants. Thromb Haemost 40(2):335–49, 31 Oct 78
ANTIGENS/ BINDING SITES/ CALCIUM, metabolism/ *CHRISTMAS DISEASE, blood/ *FACTOR IX/ FACTOR IX, immunology/ FACTOR IX, isolation & purification/ HEPARIN, pharmacodynamics/ HUMAN/ IMMUNOELECTROPHORESIS, TWO-DIMENSIONAL/ PHOSPHOLIPIDS, metabolism/ *VARIATION (GENETICS)

303. **Besser IuV, Lobin VN:** Mestnaia kortizonoterapiia gangliev i gigrom u detei. Khirurgiia (Mosk) (12):105–6, Dec 78 **(Rus)**
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ *CYSTS, drug therapy/ EMULSIONS/ FEMALE/ *FOOT DISEASES, drug therapy/ HUMAN/ *HYDROCORTISONE, TOPICAL, administration & dosage/ *KNEE/ MALE/ *SYNOVIAL CYST, drug therapy/ *WRIST

304. **Bethea CL, Walker RF:** Age-related changes in reproductive hormones and in Leydig cell responsivity in the male Fischer 344 rat. J Gerontol 34(1):21–7, Jan 79
*AGING/ ANIMAL/ FSH, blood/ LEYDIG CELLS, metabolism/ *LEYDIG CELLS, physiology/ LEYDIG CELLS, secretion/ LH, blood/ MALE/ ORGAN WEIGHT/ PITUITARY HORMONES, ANTERIOR, blood/ PROLACTIN, blood/ RATS/ SEMINAL VESICLES, physiology/ TESTIS, metabolism/ *TESTIS, physiology/ TESTIS, secretion/ *TESTOSTERONE, biosynthesis/ TESTOSTERONE, blood/ TESTOSTERONE, secretion/ UNITED STATES GOV'T SUPPORTED, P.H.S.

305. **Bettini V, Legrenzi E, Ugolini F:** Influenza dell'estrone sulla risposta dell'arteria epatica isolata all'adrenalina, in presenza di pirogallolo. Boll Soc Ital Biol Sper 54(5):446–9, 15 Mar 78 **(Ita)**
ANIMAL/ CATECHOL METHYLTRANSFERASE, antagonists & inhibitors/ CATTLE/ DRUG SYNERGISM/ *EPINEPHRINE, pharmacodynamics/ *ESTRONE, pharmacodynamics/ *HEPATIC ARTERY, drug effects/ HEPATIC ARTERY, enzymology/ *PYROGALLOL, pharmacodynamics/ STIMULATION, CHEMICAL/ *VASOCONSTRICTION, drug effects

306. **Bettini V, Legrenzi E, Scappin L:** Influenza dell'aldosterone sulle risposte di segmenti di arteria epatica isolata alla noradrenalina. Boll Soc Ital Biol Sper 54(5):450–2, 15 Mar 78 **(Ita)**
*ALDOSTERONE, pharmacodynamics/ ANIMAL/ CATECHOL METHYLTRANSFERASE, antagonists & inhibitors/ CATTLE/ DRUG SYNERGISM/ *HEPATIC ARTERY, drug effects/ *NOREPINEPHRINE, pharmacodynamics/ STIMULATION, CHEMICAL/ *VASOCONSTRICTION, drug effects

307. **Bettini V, Legrenzi E, Scappin L:** Influenza dell'aldosterone sulle risposte di segmenti di arteria coronaria isolata alla noradrenalina. Boll Soc Ital Biol Sper 54(5):453–5, 15 Mar 78 **(Ita)**
*ALDOSTERONE, pharmacodynamics/ ANIMAL/ CATECHOL METHYLTRANSFERASE, antagonists & inhibitors/ CATTLE/ *CORONARY VESSELS, drug effects/ *NOREPINEPHRINE, pharmacodynamics/ STIMULATION, CHEMICAL/ *VASOCONSTRICTION, drug effects

308. **Beumont PJ, Abraham SF, Argall WJ, et al:** Plasma gonadotrophins and LHRH infusions in anorexia nervosa. Aust NZ J Med 8(5):509–14, Oct 78
ADOLESCENCE/ ADULT/ AMENORRHEA, etiology/ *ANOREXIA NERVOSA, blood/ ANOREXIA NERVOSA, complications/ ANOREXIA NERVOSA, physiopathology/ FEMALE/ *FSH, blood/ HUMAN/ *LH, blood/ *LH-FSH RELEASING HORMONE, diagnostic use/ *PITUITARY GLAND, physiopathology

309. **Bhakthan NM, Chiu S:** Deranged diurnal feeding pattern and altered brain serotonin turnover in heroin-dependent rats. Arch Int Pharmacodyn Ther 235(2):289–98, Oct 78
ANIMAL/ BIOGENIC AMINES, metabolism/ BODY WEIGHT, drug effects/ BRAIN, drug effects/ *BRAIN, metabolism/ *CIRCADIAN RHYTHM, drug effects/ *DIURNAL RHYTHM, drug effects/ *FEEDING BEHAVIOR, drug effects/ *HEROIN ADDICTION, metabolism/ HEROIN ADDICTION, psychology/ MALE/ NALOXONE, pharmacodynamics/ RATS/ *SEROTONIN, metabolism/ TIME FACTORS

310. **Bhargava HN:** The synthesis rate and turnover time of 5-hydroxy-tryptamine in brains of rats treated chronically with morphine. Br J Pharmacol 65(2):311–7, Feb 79
ANIMAL/ BODY WEIGHT, drug effects/ BRAIN, drug effects/ *BRAIN, metabolism/ DRUG IMPLANTS/ DRUG TOLERANCE/ DRUG WITHDRAWAL SYMPTOMS, metabolism/ IN VITRO/ KINETICS/ MALE/ MORPHINE ADDICTION, metabolism/ MORPHINE, administration & dosage/ *MORPHINE, pharmacodynamics/ RATS/ SEROTONIN, biosynthesis/ *SEROTONIN, metabolism

311. **Bharucha KR:** Testosterone and 17-methyltestosterone from hyodeoxycholic acid. Steroids 32(5):589–606, Dec 78
ANDROSTANES/ *DEOXYCHOLIC ACID/ ISOMERISM/ METHODS/ *METHYLTESTOSTERONE, chemical synthesis/ OXIDATION-REDUCTION/ PREGNANES/ *TESTOSTERONE, chemical synthesis

312. **Bhatia IS, Saxena AK, Ahuja SP:** In vivo incorporation of 2-14C-acetate, 1-14C-butyrate and U-14C-glucose into milk

constituents by a lactating buffalo.
Zentralbl Veterinaermed [A] 25(9):739-50, Nov 78
ACETATES, metabolism/ ANIMAL/ *BUFFALOES, metabolism/ BUFFALOES, physiology/ BUTYRATES, metabolism/ FEMALE/ GLUCOSE, metabolism/ *GLYCERIDES, metabolism/ *LACTATION/ *MILK, metabolism

313. **Bhatia IS, Saxena AK, Ahuja SP:** Studies on the fatty acid synthetase complex from lactating buffalo mammary glands. Indian J Biochem Biophys 15(4):311-5, Aug 78
ANIMAL/ *BUFFALOES, metabolism/ *FATTY ACID SYNTHETASE COMPLEX, isolation & purification/ FEMALE/ *LACTATION/ *MAMMAE, enzymology

314. **Bhatt RV, Pachauri S, Koshy E, et al:** Midtrimester abortion with prostaglandin and hypertonic saline--a comparative study. Int J Gynaecol Obstet 16(3):254-8, 1978-79
ABORTION, INDUCED, adverse effects/ *ABORTION, INDUCED, methods/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ OXYTOCIN, pharmacodynamics/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY/ *PROSTAGLANDINS F, pharmacodynamics/ *SALINE SOLUTION, HYPERTONIC, pharmacodynamics/ *SODIUM CHLORIDE, pharmacodynamics/ TIME FACTORS

315. **Bhattacharyya MH, Guilmette RA, Peterson DP, et al:** Estimation of skeletal plutonium levels based on DPTA-induced radionuclide excretion in feces: possible application to man. Health Phys 34(6):549-55, Jun 78
AMERICIUM, metabolism/ ANIMAL/ BABOONS/ *BONE AND BONES, metabolism/ COMPARATIVE STUDY/ DOGS/ DRUG ADMINISTRATION SCHEDULE/ *DTPA, pharmacodynamics/ EVALUATION STUDIES/ *FECES, analysis/ FEMALE/ FEMUR, metabolism/ HUMAN/ LIVER, metabolism/ METHODS/ MICE/ *PLUTONIUM, metabolism/ PLUTONIUM, poisoning/ PLUTONIUM, urine/ RATS/ SWINE/ UNITED STATES GOV'T SUPPORTED

316. **Bhattacherjee P, Kulkarni PS, Eakins KE:** Metabolism of arachidonic acid in rabbit ocular tissues.
Invest Ophthalmol Vis Sci 18(2):172-8, Feb 79
ANIMAL/ *ARACHIDONIC ACIDS, metabolism/ CHROMATOGRAPHY/ CILIARY BODY, metabolism/ CONJUNCTIVA, metabolism/ EPINEPHRINE, pharmacodynamics/ *EYE, metabolism/ GLUTATHIONE, pharmacodynamics/ IMIDAZOLES, pharmacodynamics/ IRIS, metabolism/ MALE/ PROSTAGLANDINS X, biosynthesis/ PROSTAGLANDINS, biosynthesis/ RABBITS/ THROMBOXANE A2/ UNITED STATES GOV'T SUPPORTED, P.H.S.

317. **Bialowąs J, Jurkowski M, Stachowiak M, et al:** The influence of food deprivation, exposure to cold and immobilization on monoamine oxidase activity in some hypothalamic nuclei of the rat brain. Acta Neurobiol Exp (Warsz) 38(5):283-8, 1978
ANIMAL/ *COLD/ *FOOD DEPRIVATION/ *HYPOTHALAMUS, enzymology/ *IMMOBILIZATION/ MALE/ *MONOAMINE OXIDASE, metabolism/ RATS

318. **Bianchi G, Picotti GB, Bracchi G, et al:** Familial hypertension and hormonal profile, renal haemodynamics and body fluids of young normotensive subjects. Clin Sci Mol Med 55 Suppl 4:367s-371s, Dec 78
ADOLESCENCE/ ADULT/ AGE FACTORS/ FEMALE/ HEMODYNAMICS/ HUMAN/ *HYPERTENSION, familial & genetic/ HYPERTENSION, physiopathology/ KIDNEY, blood supply/ MALE/ PEDIGREE/ REGIONAL BLOOD FLOW/ RENIN, blood

319. **Bianchi G, Cusi D, Gatti M, et al:** A renal abnormality as a possible cause of 'essential' hypertension. Lancet 1(8109):173-7, 27 Jan 79
ADULT/ ALDOSTERONE, urine/ ANIMAL/ *BLOOD PRESSURE/ CARDIAC OUTPUT/ CATECHOLAMINES, blood/ FEMALE/ GLOMERULAR FILTRATION RATE/ HEART RATE/ HUMAN/ *HYPERTENSION, etiology/ HYPERTENSION, familial & genetic/ KIDNEY FUNCTION TESTS/ *KIDNEY, abnormalities/ KIDNEY, blood supply/ KIDNEY, physiopathology/ MALE/ PLASMA VOLUME/ POTASSIUM, metabolism/ RATS/ REGIONAL BLOOD FLOW/ RENIN, blood/ SODIUM, metabolism

320. **Bianchi R, Zucchelli GC, Giannessi D, et al:** Triiodothyronine turnover studies in euthyroid patients with autonomous thyroid nodules. Metabolism 28(2):163-8, Feb 79
ADOLESCENCE/ ADULT/ AGED/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *THYROID DISEASES, metabolism/ THYROID FUNCTION TESTS/ THYROTROPIN, antagonists & inhibitors/ THYROTROPIN, blood/ THYROXINE, blood/ *TRIIODOTHYRONINE, metabolism

321. **Bichler A, Wiesinger H, Mayr M:** Spezifische Glucocorticoidrezeptoraktivität in den Lungen und Corticosteroidgehalt im Plasma neugeborener Kaninchen in den ersten Lebensstunden. Arch Gynecol 226(4):307-13, 29 Dec 78 (Eng. Abstr.) **(Ger)**
*ADRENAL CORTEX HORMONES, blood/ AGE FACTORS/ ANIMAL/ CELL NUCLEUS, analysis/ CESAREAN SECTION/ CYTOSOL, analysis/ DEXAMETHASONE/ ENGLISH ABSTRACT/ *LUNG, analysis/ *RABBITS, physiology/ *RECEPTORS, GLUCOCORTICOID, analysis/ *RECEPTORS, STEROID, analysis

322. **Bidani AK, Fleischmann LE, Churchill P, et al:** Natriuresis-induced protection in acute myohemoglobinuric renal failure without renal cortical renin content depletion in the rat. Nephron 22(4-6):529-37, 1978
ANIMAL/ BLOOD UREA NITROGEN/ CHLORIDES, urine/ DISEASE MODELS, ANIMAL/ FEMALE/ GLYCERIN/ HEMOGLOBINURIA, chemically induced/ *HEMOGLOBINURIA, prevention & control/ *KIDNEY CORTEX, metabolism/ KIDNEY FAILURE, ACUTE, chemically induced/ *KIDNEY FAILURE, ACUTE, prevention & control/ MYOGLOBINURIA, chemically induced/ *MYOGLOBINURIA, prevention & control/ *NATRIURESIS/ POTASSIUM, urine/ RATS/ *RENIN, metabolism/ SODIUM CHLORIDE, urine

323. **Bielkiewicz B, Maslinski C:** In vitro inhibition of rat hypothalamus histidine decarboxylase by a specific inhibitor--4-imidazolyl-3-amino-2-butanone (McN-A-1293). Biochem Pharmacol 27(24):2977-8, 1978
ANIMAL/ *BUTANONES, pharmacodynamics/ *CARBOXY-LYASES, antagonists & inhibitors/ *HISTIDINE DECARBOXYLASE, antagonists & inhibitors/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, enzymology/ *IMIDAZOLES, pharmacodynamics/ IN VITRO/ KINETICS/ MALE/ RATS

324. **Bielousov IuV, Kyrychenko AA:** Preparaty mineralokortykoïdnoï diï u kompleksnomu likuvanni vyrazkovoï khvoroby u diteï. Pediatr Akush Ginekol (6):19-21, Nov-Dec 78 **(Ukr)**
ADOLESCENCE/ BIOFLAVONOIDS, therapeutic use/ CHILD/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DESOXYCORTICOSTERONE, therapeutic use/ DRUG EVALUATION/ DUODENAL ULCER, drug therapy/ FEMALE/ GLYCYRRHIZA/ HUMAN/ MALE/ *MINERALOCORTICOIDS, SYNTHETIC, therapeutic use/ *PEPTIC ULCER, drug therapy/ STOMACH ULCER, drug therapy

325. **Biesterfeld RC, Shaw DH, Taintor JF:** Aspirin: an update. J Endod 4(7):198-202, Jul 78 (58 ref.)
ANALGESIA/ *ASPIRIN/ HUMAN/ *PROSTAGLANDINS, physiology/ REVIEW

326. **Bikel I, Faibes D, Uren JR, et al:** Immunologic analyses of mouse cystathionase in normal and leukemic cells. Biochemistry 17(24):5181-7, 28 Nov 78
ANIMAL/ ANTIGENIC DETERMINANTS/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ *CYSTATHIONINE GAMMA-LYASE, analysis/ CYSTATHIONINE GAMMA-LYASE, immunology/ FEMALE/ HUMAN/ IMMUNE SERUMS/ *LEUKEMIA, enzymology/ LEUKEMIA, EXPERIMENTAL, enzymology/ LIVER, enzymology/ *LYASES, analysis/ MALE/ MICE/ MOLONEY VIRUS/ RADIOIMMUNOASSAY/ RATS/ SPLEEN, enzymology/ THYMOMA, enzymology/ THYMUS GLAND, enzymology/ THYMUS NEOPLASMS, enzymology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

327. **Bikle DD, Hagler L, Lollini LO, et al:** Work-induced muscle hypertrophy in vitamin D-deficient rats. Am J Clin Nutr 32(3):515–6, Mar 79
ANIMAL/ EXERTION/ HINDLIMB/ HYPERTROPHY, etiology/ MALE/ *MUSCLES, pathology/ RATS/ VITAMIN D DEFICIENCY, complications/ *VITAMIN D DEFICIENCY, pathology

328. **Billis A:** Effects on rabbit spermatogenesis following orthostatic collapse. Light microscope qualitative and quantitative studies. Andrologia 10(6):491–7, Nov–Dec 78
ANIMAL/ HYPERTROPHY/ MALE/ NECROSIS/ POSTURE/ RABBITS/ SEMINIFEROUS TUBULES, pathology/ *SHOCK, pathology/ SPERMATIDS, pathology/ SPERMATOCYTES, pathology/ *SPERMATOGENESIS/ *TESTIS, pathology

329. **Bills TK, Smith JB, Silver MJ:** Intracellular regulation of the metabolism of arachidonic acid in human platelets. Thromb Haemost 40(2):219–23, 31 Oct 78 (21 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ARACHIDONIC ACIDS, metabolism/ *BLOOD PLATELETS, metabolism/ HEMOSTASIS/ HUMAN/ PHOSPHOLIPASE, metabolism/ PLATELET AGGREGATION/ PROSTAGLANDINS, metabolism/ REVIEW/ THROMBOXANES, metabolism

330. **Binder ND, Faber JJ, Green TJ, et al:** Equilibrium potentials across the guinea-pig placenta [proceedings] J Physiol (Lond) 284:98P–99P, Nov 78
ANIMAL/ FEMALE/ GUINEA PIGS/ MEMBRANE POTENTIALS/ PERITONEAL FLUID, physiology/ *PLACENTA, physiology/ PREGNANCY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

331. **Bines JA, Hart IC:** Hormonal regulation of the partition of energy between milk and body tissue in adult cattle. Proc Nutr Soc 37(3):281–7, Dec 78 (39 ref.)
ANIMAL/ BODY WEIGHT/ CATTLE/ *ENERGY METABOLISM/ FEMALE/ GLUCAGON, physiology/ INSULIN, physiology/ LACTATION/ *MILK, physiology/ PREGNANCY/ PROLACTIN, physiology/ RECEPTORS, HORMONE, physiology/ REVIEW/ SOMATOTROPIN, physiology/ THYROXINE, physiology

332. **(Bing J) Robertson JI:** Address on the occasion of the presentation of the Merck Sharp and Dohme International Award to Professor Jens Bing and his associates and the Franz Volhard Award to Professor Bjorn Folkow. Clin Sci Mol Med 55 Suppl 4:1s–2s, Dec 78
*AWARDS AND PRIZES/ DENMARK/ HYPERTENSION, history/ RENIN, history/ SWEDEN

333. **Bing J, Poulsen K:** In mice aggressive behavior provokes vast increase in plasma renin concentration, causing only slight, if any, increase in blood pressure. Acta Physiol Scand 105(1):64–72, Jan 79
*AGGRESSION, physiology/ ANGIOTENSIN II, pharmacodynamics/ ANGIOTENSINOGEN, blood/ ANIMAL/ *BLOOD PRESSURE/ KIDNEY, enzymology/ KIDNEY, secretion/ MALE/ MICE/ NEPHRECTOMY/ NOREPINEPHRINE, pharmacodynamics/ *RENIN, blood/ RENIN, physiology/ RENIN, secretion/ SARALASIN, pharmacodynamics/ SECRETORY RATE, drug effects/ SOCIAL ISOLATION/ SUBMANDIBULAR GLAND, enzymology/ SUBMANDIBULAR GLAND, secretion/ TIME FACTORS

334. **Bing J, Poulsen K:** Differences in renal and submaxillary renin release after stimulation with isoprenaline and noradrenaline. Acta Physiol Scand 105(1):58–63, Jan 79
ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ISOPROTERENOL, pharmacodynamics/ KIDNEY, drug effects/ *KIDNEY, enzymology/ KIDNEY, secretion/ MALE/ MICE/ NEPHRECTOMY/ NOREPINEPHRINE, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ RENIN, blood/ *RENIN, secretion/ SECRETORY RATE, drug effects/ STIMULATION, CHEMICAL/ SUBMANDIBULAR GLAND, drug effects/ *SUBMANDIBULAR GLAND, enzymology/ SUBMANDIBULAR GLAND, secretion/ TIME FACTORS

335. **Binstadt DH, L'Heureux PR:** Rickets as a complication of intravenous hyperalimentation in infants. Pediatr Radiol 7(4):211–4, 4 Dec 78
BONE AND BONES, radiography/ HUMAN/ INFANT/ INFANT, LOW BIRTH WEIGHT/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, drug therapy/ INFANT, NEWBORN, DISEASES, etiology/ INFANT, NEWBORN, DISEASES, radiography/ *PARENTERAL FEEDING, adverse effects/ *PARENTERAL HYPERALIMENTATION, adverse effects/ RICKETS, drug therapy/ *RICKETS, etiology/ RICKETS, radiography/ VITAMIN D, therapeutic use

336. **Birkásová M, Birkás O, Flynn MJ, et al:** Desmopressin in the management of nocturnal enuresis in children: a double-blind study. Pediatrics 62(6):970–4, Dec 78
ADMINISTRATION, INTRANASAL/ *ARGIPRESSIN, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ CLINICAL RESEARCH/ DESMOPRESSIN, administration & dosage/ *DESMOPRESSIN, therapeutic use/ DIURNAL RHYTHM/ DOUBLE-BLIND METHOD/ *ENURESIS, drug therapy/ ENURESIS, psychology/ FEMALE/ HUMAN/ MALE/ OSMOLAR CONCENTRATION/ PLACEBOS/ SODIUM CHLORIDE, therapeutic use/ UNITED STATES GOV'T SUPPORTED, P.H.S.

337. **Birken S, Fetherston J, Desmond J, et al:** Partial amino acid sequence of the preprotein form of the alpha subunit of human choriogonadotropin and identification of the site of subsequent proteolytic cleavage. Biochem Biophys Res Commun 85(4):1247–53, 29 Dec 78
AMINO ACID SEQUENCE/ CELL-FREE SYSTEM/ FEMALE/ *GONADOTROPINS, CHORIONIC/ GONADOTROPINS, CHORIONIC, biosynthesis/ HUMAN/ IMMUNOASSAY/ PLACENTA, metabolism/ PLANTS, metabolism/ PREGNANCY TRIMESTER, FIRST/ PREGNANCY/ *PROTEIN PRECURSORS/ PROTEIN PRECURSORS, biosynthesis/ RNA, MESSENGER, metabolism/ TRANSLATION, GENETIC/ UNITED STATES GOV'T SUPPORTED, P.H.S./ WHEAT, metabolism

338. **Birkenhäger WH, De Leeuw PW, Falke HE, et al:** Renin secretion by the human kidney. Clin Sci Mol Med 55 Suppl 4:147s–149s, Dec 78
HUMAN/ HYPERTENSION, drug therapy/ *HYPERTENSION, metabolism/ *KIDNEY, secretion/ PROPRANOLOL, pharmacodynamics/ PROPRANOLOL, therapeutic use/ *RENIN, secretion/ SECRETORY RATE, drug effects

339. **Birnbaum LS, Baird MB:** Induction of hepatic mixed function oxidases in senescent rodents. Exp Gerontol 13(5):299–303, 1978
*AGING/ ANIMAL/ BENZOPYRENE HYDROXYLASE, biosynthesis/ BENZPHETAMINE, metabolism/ BIOTRANSFORMATION, drug effects/ CYTOCHROME P-450, biosynthesis/ CYTOCHROMES, biosynthesis/ ENZYME INDUCTION, drug effects/ ETHYLMORPHINE-N-DEMETHYLASE, biosynthesis/ *LIVER, enzymology/ MALE/ METHYLCHOLANTHRENE, pharmacodynamics/ MICROSOMES, LIVER, enzymology/ NADPH CYTOCHROME C REDUCTASE, biosynthesis/ *OXIDOREDUCTASES, biosynthesis/ PHENOBARBITAL, pharmacodynamics/ PREGNANOLONE, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

340. **Bishop MC, Whitaker RH:** Cryptorchidism: a renewed plea [letter] Br Med J 1(6160):407–8, 10 Feb 79
ADOLESCENCE/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ CRYPTORCHISM, diagnosis/ *CRYPTORCHISM, surgery/ HUMAN/ MALE

341. **Biswas NM, Koley AR:** Testicular delta5-3beta-hydroxysteroid dehydrogenase, ascorbic acid and dehydroascorbic acid in actinomycin D-treated toads. Experientia 34(12):1652–3, 15 Dec 78
ANIMAL/ *ASCORBIC ACID, analogs & derivatives/ *ASCORBIC ACID, metabolism/ BUFO/ *DACTINOMYCIN, pharmacodynamics/ *DEHYDROASCORBIC ACID, metabolism/ MALE/ *TESTIS, drug effects/ TESTIS, metabolism/

*3-HYDROXYSTEROID DEHYDROGENASES, metabolism

342. **Black AM:** Calcium, phosphate and parathyroid disturbances in acute renal failure. Anaesth Intensive Care 6(4):342–9, Nov 78
ADULT/ AGED/ *CALCIUM, blood/ HEMODIALYSIS/ HUMAN/ HYPERCALCEMIA, complications/ HYPERPARATHYROIDISM, complications/ HYPOCALCEMIA, complications/ *KIDNEY FAILURE, ACUTE, blood/ KIDNEY FAILURE, ACUTE, complications/ MIDDLE AGE/ *PARATHYROID HORMONE, blood/ PARENTERAL FEEDING/ *PHOSPHATES, blood

343. **Blackburn TP, Foster GA, Greenwood DT, et al:** Effects of viloxazine, its optical isomers and its major metabolites on biogenic amine uptake mechanisms in vitro and in vivo. Eur J Pharmacol 52(3–4):367–74, 1 Dec 78
ANIMAL/ *BIOGENIC AMINES, metabolism/ BRAIN, metabolism/ DOPAMINE, metabolism/ IN VITRO/ MALE/ *MORPHOLINES, pharmacodynamics/ NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, metabolism/ STEREOISOMERS/ SYNAPTOSOMES, metabolism/ VILOXAZINE, metabolism/ *VILOXAZINE, pharmacodynamics

344. **Bläher S, Fellmann D, Bugnon C:** Immunocytochemical demonstration of somatostatin-containing neurons in the hypothalamus of the domestic mallard. Cell Tissue Res 195(1):183–7, 14 Dec 78
ANIMAL/ AXONS, analysis/ DUCKS/ *HYPOTHALAMUS, analysis/ IMMUNOCHEMISTRY/ MEDIAN EMINENCE, analysis/ *NEURONS, analysis/ *SOMATOTROPIN RELEASE INHIBITING HORMONE, analysis

345. **Blaim A, Kulesza B:** Pituitární rezerva tyreotrofního hormonu u hypotyroidních dětí. Cesk Pediatr 33(10):598–600, Oct 78 (Eng. Abstr.) **(Cze)**
ADOLESCENCE/ CHILD/ ENGLISH ABSTRACT/ HUMAN/ *HYPOTHYROIDISM, metabolism/ *PITUITARY GLAND, metabolism/ THYROTROPIN RELEASING HORMONE, administration & dosage/ THYROTROPIN, blood/ *THYROTROPIN, metabolism

346. **Blair C, Dainow II:** Clinical experiences with a new steroid-antibacterial preparation in the treatment of infected eczema. (A pilot study in twenty-eight patients). Br J Clin Pract 32(10):289–90, Oct 78
ADOLESCENCE/ ADULT/ AGED/ *BACTERIAL INFECTIONS, drug therapy/ CHILD/ CHILD, PRESCHOOL/ *CHLORQUINALDOL, therapeutic use/ DRUG COMBINATIONS/ *ECZEMA, drug therapy/ FEMALE/ HUMAN/ *HYDROCORTISONE, analogs & derivatives/ HYDROCORTISONE, therapeutic use/ *HYDROCORTISONE, TOPICAL, therapeutic use/ INFANT/ MALE/ MIDDLE AGE

347. **Blakeley AG, Summers RJ:** The pharmacology of labetalol, an alpha- and beta-adrenoceptor blocking agent. Gen Pharmacol 9(6):399–402, 1978 (34 ref.)
ADRENERGIC ALPHA RECEPTOR BLOCKADERS/ ADRENERGIC BETA RECEPTOR BLOCKADERS/ ANIMAL/ CORONARY CIRCULATION, drug effects/ *ETHANOLAMINES, pharmacodynamics/ HUMAN/ HYPERTENSION, drug therapy/ HYPERTENSION, enzymology/ LABETALOL, metabolism/ *LABETALOL, pharmacodynamics/ LABETALOL, therapeutic use/ MEMBRANES, drug effects/ NOREPINEPHRINE, metabolism/ RENIN, blood/ REVIEW

348. **Blanc WA, Navarro C, Reinhardt MC:** The placentas in Abidjan. Helv Paediatr Acta [Suppl] (41):101–10, Dec 78
AMNION, pathology/ CHORION, pathology/ CHORIONIC VILLI, pathology/ COMPARATIVE STUDY/ DECIDUA, pathology/ FEMALE/ HUMAN/ HYPERPLASIA/ INFANT, NEWBORN/ INFLAMMATION/ IVORY COAST/ *PLACENTA DISORDERS, occurrence/ PLACENTA DISORDERS, pathology/ *PLACENTA, pathology/ PREGNANCY/ THROMBOSIS/ UMBILICAL ARTERIES, pathology

349. **Bläsig J, Höllt V, Bäuerle U, et al:** Involvement of endorphins in emotional hyperthermia of rats. Life Sci 23(25):2525–31, 18 Dec 78
ANIMAL/ ENDORPHINS, blood/ *ENDORPHINS, physiology/ FEVER, blood/ FEVER, etiology/ *FEVER, physiopathology/ MALE/ NALOXONE, pharmacodynamics/ RATS/ STRESS, PSYCHOLOGICAL, blood/ *STRESS, PSYCHOLOGICAL, complications

350. **Blass KE, Mentz P, Förster W:** Effects of unsaturated fatty acids on canine coronary flow. Acta Biol Med Ger 37(5–6):765–7, 1976
ANIMAL/ BIOLOGICAL ASSAY/ *CORONARY CIRCULATION, drug effects/ DOGS/ *FATTY ACIDS, UNSATURATED, pharmacodynamics/ HEART VENTRICLE, drug effects/ HEART VENTRICLE, physiology/ INDOMETHACIN, pharmacodynamics/ MYOCARDIUM, metabolism/ PROSTAGLANDINS, metabolism

351. **Blecher M:** Cell-surface receptors in health and disease. Clin Chem 25(1):11–9, Jan 79
ANTIGEN-ANTIBODY REACTIONS/ CELL MEMBRANE, metabolism/ *DISEASE, metabolism/ GOITER, EXOPHTHALMIC, metabolism/ *HORMONES, metabolism/ HUMAN/ INSULIN, metabolism/ MYASTHENIA GRAVIS, metabolism/ *NEUROHUMORS, metabolism/ OBESITY, metabolism/ RECEPTORS, CHOLINERGIC, metabolism/ *RECEPTORS, HORMONE, metabolism/ THYROID GLAND, metabolism/ THYROTROPIN RELEASING HORMONE, metabolism

352. **Blesa Sánchez E, Jiménez Alvarez C, Gámez Arance M, et al:** Hemihipertrofia y tumor suprarrenal funcionante. An Esp Pediatr 11(12):899–902, Dec 78 (Eng. Abstr.) **(Spa)**
*ADENOMA, pathology/ *ADRENAL GLAND NEOPLASMS, pathology/ CASE REPORT/ *CUSHING'S SYNDROME, pathology/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT

353. **Bloch E:** Fetal gonadal endocrine activity and reproductive tract differentiation. Contrib Gynecol Obstet 5:21–37, 1979 (76 ref.)
ANIMAL/ CELL DIFFERENTIATION/ FEMALE/ HUMAN/ MALE/ *OVARY, embryology/ OVARY, metabolism/ PREGNANCY/ RABBITS/ RATS/ REVIEW/ *SEX DIFFERENTIATION/ SEX HORMONES, biosynthesis/ *SEX HORMONES, physiology/ *TESTIS, embryology/ TESTIS, metabolism/ TESTOSTERONE, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

354. **Bloch E, Thysen B, Morrill GA, et al:** Effects of cannabinoids on reproduction and development. Vitam Horm 36:203–58, 1978 (236 ref.)
ADRENAL CORTEX, drug effects/ ANIMAL/ CANNABINOIDS, metabolism/ *CANNABINOIDS, pharmacodynamics/ *EMBRYO, drug effects/ ESTROGENS, NON-STEROIDAL/ FEMALE/ *FETUS, drug effects/ GONADOTROPINS, biosynthesis/ HUMAN/ LACTATION, drug effects/ MALE/ MATERNAL-FETAL EXCHANGE/ PITUITARY-ADRENAL SYSTEM, drug effects/ PREGNANCY/ PROLACTIN, biosynthesis/ PROSTAGLANDINS, biosynthesis/ *REPRODUCTION, drug effects/ REVIEW/ SEX BEHAVIOR, drug effects/ SEX HORMONES, metabolism/ SPERMATOGENESIS, drug effects/ TESTIS, drug effects

355. **Block ER, Cannon JK:** Effect of oxygen exposure on lung clearance of amines. Lung 155(4):287–95, 15 Dec 78
ANIMAL/ *IMIPRAMINE, metabolism/ LUNG, drug effects/ *LUNG, metabolism/ MALE/ *NOREPINEPHRINE, metabolism/ *OXYGEN, pharmacodynamics/ RATS/ SEROTONIN, metabolism

356. **Block SK:** Occult pregnancy as a factor in unexplained infertility. J Reprod Med 21(4):251–3, Oct 78
*ABORTION, complications/ ABORTION, diagnosis/ ADULT/ FEMALE/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ PREGNANCY/ STERILITY, FEMALE, blood/ *STERILITY, FEMALE, etiology/ TIME FACTORS

357. **Blomgren H, Lundell G:** Proliferation of peripheral lymphoid cells from euthyroid and hyperthyroid individuals cultured with human thyroglobulin. Acta Endocrinol (Copenh) 90(2):227–32, Feb 79

ADULT/ AGED/ B-LYMPHOCYTES, drug effects/ *CELL DIVISION, drug effects/ CELLS, CULTURED/ DNA, biosynthesis/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, immunology/ LYMPHOCYTE TRANSFORMATION, drug effects/ *LYMPHOCYTES, drug effects/ MALE/ MIDDLE AGE/ T-LYMPHOCYTES, drug effects/ *THYROGLOBULIN, pharmacodynamics

358. **Blondeau JP, Rocher P, Robel P:** Competitive inhibition of specific steroid-protein binding: practical use of relative competition ratios for the derivation of equilibrium inhibition constants. Steroids 32(5):563-75, Dec 78
BINDING, COMPETITIVE/ KINETICS/ MODELS, BIOLOGICAL/ *PROTEIN BINDING, drug effects/ RECEPTORS, STEROID, drug effects/ RECEPTORS, STEROID, metabolism/ *STEROIDS, metabolism

359. **Bloom HJ:** Management of some intracranial tumors in children and adults. Prog Clin Biol Res 25:55-84, 1978 (42 ref.)
ADOLESCENCE/ ADULT/ ANTINEOPLASTIC AGENTS, administration & dosage/ ASTROCYTOMA, therapy/ *BRAIN NEOPLASMS, therapy/ CHILD/ CHILD, PRESCHOOL/ CRANIOPHARYNGIOMA, therapy/ DRUG THERAPY, COMBINATION/ EPENDYMOMA, therapy/ FAST NEUTRONS/ GLIOBLASTOMA MULTIFORME, therapy/ GLIOMA, therapy/ HUMAN/ HYPOTHERMIA, INDUCED/ IMMUNOTHERAPY/ INFANT/ MEDULLOBLASTOMA, therapy/ NITROSOUREA COMPOUNDS, therapeutic use/ OLIGODENDROGLIOMA, therapy/ OXYGEN/ PITUITARY NEOPLASMS, therapy/ RADIATION-SENSITIZING AGENTS, therapeutic use/ RADIOTHERAPY, HIGH ENERGY/ REVIEW

360. **Bloom S:** The relationship between calcium flux and beating in hyperpermeable heart muscle cells.
Biochim Biophys Acta 514(2):206-12, 19 Dec 78
ADENOSINE TRIPHOSPHATE, pharmacodynamics/ *CALCIUM, metabolism/ KINETICS/ *MYOCARDIAL CONTRACTION/ MYOCARDIUM, cytology/ *MYOCARDIUM, metabolism/ TEMPERATURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

361. **Bloom S, Atlas D, Thompson J:** Heavy water effects on leaky heart muscle cells and actomyosin. Physiol Chem Phys 10(3):255-66, 1978
*ACTOMYOSIN/ ADENOSINE TRIPHOSPHATE/ ANIMAL/ CALCIUM, metabolism/ CATALYSIS/ CHEMISTRY/ DEPRESSION, CHEMICAL/ *DEUTERIUM, pharmacodynamics/ ENZYME ACTIVATION/ IN VITRO/ MICE/ *MYOCARDIAL CONTRACTION, drug effects/ MYOCARDIUM, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

362. **Bluestone R:** Pleurisy and tender fingers. Hosp Pract 13(10):90-4, Oct 78
AGED/ *ARTHRITIS, RHEUMATOID, complications/ ARTHRITIS, RHEUMATOID, drug therapy/ CASE REPORT/ *FINGERS, blood supply/ HUMAN/ LUNG DISEASES, drug therapy/ *LUNG DISEASES, etiology/ MALE/ PLEURISY, drug therapy/ *PLEURISY, etiology/ STEROIDS, therapeutic use/ VASCULITIS, drug therapy/ *VASCULITIS, etiology

363. **Boarer CD, Hattersley JJ:** A charcoal--agar disc to adsorb free steroid in radioimmunoassay. Med Lab Sci 35(4):379-86, Oct 78
ADSORPTION/ *AGAR/ ANIMAL/ CATTLE/ *CHARCOAL/ COMPARATIVE STUDY/ PROGESTERONE, blood/ PROGESTERONE, isolation & purification/ *RADIOIMMUNOASSAY, methods/ SHEEP/ *STEROIDS, isolation & purification

364. **Bobkov YuI, Kazak LE, Sukhova ZI, et al:** Functional reserve of the heart and catecholamines in experimental mitral valve incompetence. Cor Vasa 20(4):315-23, 1978
ADRENAL MEDULLA, metabolism/ ADRENAL MEDULLA, pathology/ ANIMAL/ BLOOD PRESSURE, drug effects/ CARDIAC OUTPUT, drug effects/ *CATECHOLAMINES, metabolism/ DOGS/ DOPA, metabolism/ DOPAMINE, metabolism/ EPINEPHRINE, metabolism/ HEART RATE, drug effects/ *HEMODYNAMICS/ HEMODYNAMICS, drug effects/ *MITRAL VALVE INSUFFICIENCY, metabolism/ MITRAL VALVE INSUFFICIENCY, physiopathology/ MYOCARDIAL INFARCTION, pathology/ MYOCARDIUM, metabolism/ NOREPINEPHRINE, metabolism/ NOREPINEPHRINE, pharmacodynamics/ STROKE VOLUME, drug effects/ VASCULAR RESISTANCE, drug effects

365. **Bock KD, Cremer W, Werner U:** Chronic hypokalemic nephropathy: a clinical study. Klin Wochenschr 56 Suppl 1:91-6, 1978
ADULT/ AGED/ ALDOSTERONE, blood/ BLOOD PRESSURE/ CATHARTICS, adverse effects/ CHLORIDES, blood/ CHRONIC DISEASE/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, etiology/ HYPOKALEMIA, chemically induced/ *HYPOKALEMIA, complications/ HYPOKALEMIA, physiopathology/ *KIDNEY DISEASES, etiology/ KIDNEY DISEASES, physiopathology/ KIDNEY, metabolism/ KIDNEY, pathology/ MALE/ MIDDLE AGE/ RENIN, blood/ SODIUM, blood

366. **Böck P:** Der Einfluss der Kontrastierung von Dünnschnitten auf die Elektronendichte der Catecholamin-Speichergranula. Acta Histochem [Suppl] (Jena) 14:173-7, 1975
*ADRENAL MEDULLA, ultrastructure/ ANIMAL/ CATECHOLAMINES, analysis/ COMPARATIVE STUDY/ *CYTOPLASMIC GRANULES, ultrastructure/ LEAD/ MICE/ *STAINS AND STAINING/ STAINS AND STAINING, methods/ URANIUM

367. **Bock R, Pera F:** Detection of aldehydefuchsin-positive neurosecretory granules in the cells of the suprachiasmatic nucleus of the rat. Histochemistry 58(4):335-8, 13 Dec 78
ANIMAL/ *CYTOPLASMIC GRANULES, ultrastructure/ FEMALE/ *HYPOTHALAMUS, ultrastructure/ *NEURONS, ultrastructure/ NEUROSECRETION/ RATS/ *STAINS AND STAINING, methods/ *SUPRAOPTIC NUCLEUS, ultrastructure

368. **Bodey GP, Rodriguez V, Cabanillas F, et al:** Protected environment-prophylactic antibiotic program for malignant lymphoma. Randomized trial during chemotherapy to induce remission. Am J Med 66(1):74-81, Jan 79
ADOLESCENCE/ ADULT/ AGED/ *ANTIBIOTICS, therapeutic use/ BACTERIAL INFECTIONS, etiology/ *BACTERIAL INFECTIONS, prevention & control/ BLEOMYCIN, administration & dosage/ CYCLOPHOSPHAMIDE, administration & dosage/ DOXORUBICIN, administration & dosage/ DRUG THERAPY, COMBINATION/ GENTAMICINS, administration & dosage/ HUMAN/ IMMUNOSUPPRESSION, adverse effects/ *LYMPHOMA, drug therapy/ LYMPHOSARCOMA, drug therapy/ MIDDLE AGE/ NYSTATIN, administration & dosage/ *PATIENT ISOLATION/ PREDNISONE, administration & dosage/ SARCOMA, RETICULUM CELL, drug therapy/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VANCOMYCIN, administration & dosage/ VINCRISTINE, administration & dosage

369. **Boeck G, Hohaus B:** Uber die Nebennierenrinden-Insuffizienz bei chirurgischen Patienten. Zentralbl Chir 104(1):70-4, 1979 **(Ger)**
ADDISON'S DISEASE, diagnosis/ *ADRENAL GLAND HYPOFUNCTION, diagnosis/ ADRENAL GLAND HYPOFUNCTION, etiology/ ADRENAL GLAND HYPOFUNCTION, therapy/ ADULT/ AGED/ APPENDECTOMY, adverse effects/ BLADDER, surgery/ CASE REPORT/ CHOLECYSTECTOMY, adverse effects/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ LAPAROTOMY, adverse effects/ MIDDLE AGE/ *SURGERY, OPERATIVE

370. **Boers GH, de Jong M:** Hypopituitarism as a delayed result of irradiation of the facial skin. Neth J Med 21(6):252-6, 1978
CASE REPORT/ FACE/ HUMAN/ *HYPOPITUITARISM, etiology/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, radiation effects/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, radiotherapy/ MALE/ MIDDLE AGE/ PITUITARY-ADRENAL SYSTEM, radiation effects/ *RADIATION INJURIES, complications/ THYROID GLAND, radiation effects

371. **Boga C:** Relations between accelerated sexual maturation and menstrual disorders. Endocrinologie 16(4):291-4, Oct-Dec

78
ADOLESCENCE/ CHILD/ FEMALE/ HUMAN/ *MENSTRUATION DISORDERS, physiopathology/ MENSTRUATION/ PUBERTY/ *SEX MATURATION

372. **Bogatykh TA, Orlova NV, Akincheva MIa:** Vliianie khlororganicheskikh pestitsidov--kel'tana i gamma-izomera GKhTsG na aktivnost' fermentov i ikh izofermentov v semennikakh krys. Gig Sanit (2):16–9, Feb 79 (Eng. Abstr.) **(Rus)**
ANIMAL/ *BENZENE HEXACHLORIDE, pharmacodynamics/ *DICOFOL, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENERGY METABOLISM, drug effects/ ENGLISH ABSTRACT/ ENZYME ACTIVATION, drug effects/ *INSECTICIDES, ORGANOCHLORINE, pharmacodynamics/ *ISOENZYMES, metabolism/ MALE/ RATS/ *TESTIS, drug effects/ TESTIS, enzymology

373. **Bogdanikowa B, Bernacka K:** Poglądy na mechanizm działania kortykoidów w zjawiskach odpornościowych. Postepy Hig Med Dosw 32(5):581–603, Sep-Oct 78 (Eng. Abstr.) **(Pol)**
*ADRENAL CORTEX HORMONES, immunology/ ENGLISH ABSTRACT/ HUMAN/ *HYPERSENSITIVITY, DELAYED, immunology/ *HYPERSENSITIVITY, IMMEDIATE, immunology/ LYMPH NODES, immunology/ LYMPHOCYTES, immunology/ MODELS, BIOLOGICAL/ PHAGOCYTOSIS/ THYMUS GLAND, immunology

374. **Boggan WO, Medberry C, Hopkins DH:** Effect of taurine on some pharmacological properties of ethanol. Pharmacol Biochem Behav 9(4):469–72, Oct 78
ALCOHOL, ETHYL, blood/ *ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL/ BODY TEMPERATURE, drug effects/ BRAIN CHEMISTRY, drug effects/ DRUG INTERACTIONS/ HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ MICE/ MICE, INBRED C57BL/ SEIZURES, physiopathology/ SEROTONIN, metabolism/ SLEEP, drug effects/ *TAURINE, pharmacodynamics/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

375. **Boguslawski W, Klimek J, Tiałowska B:** Regulation of progesterone from pregnenolone biosynthesis by phosphopyridine nucleotides in the human placental mitochondrial fraction. Biochem Med 20(2):144–52, Oct 78
*CELL MEMBRANE, metabolism/ CHOLESTEROL, metabolism/ FEMALE/ HUMAN/ ISOCITRATES, pharmacodynamics/ KINETICS/ *MICROVILLI, metabolism/ *MITOCHONDRIA, metabolism/ *NAD, pharmacodynamics/ *NADP, pharmacodynamics/ OXIDATION-REDUCTION/ *PLACENTA, metabolism/ PREGNANCY/ *PREGNENOLONE, metabolism/ *PROGESTERONE, metabolism

376. **Bogusz M, Moroz J, Karski J, et al:** Blood cyanide and thiocyanate concentrations after administration of sodium nitroprusside as hypotensive agent in neurosurgery. Clin Chem 25(1):60–3, Jan 79
ADOLESCENCE/ ADULT/ *CYANIDES, blood/ FEMALE/ *FERRICYANIDES, metabolism/ HUMAN/ HYPOTENSION, chemically induced/ MALE/ MIDDLE AGE/ NEUROSURGERY/ *NITROPRUSSIDE, metabolism/ NITROPRUSSIDE, therapeutic use/ *THIOCYANATES, blood

377. **Bøhmer T, Hoel P, Purvis K, et al:** Carnitine levels in human accessory sex organs. Arch Androl 1(1):53–9, 1978
ADOLESCENCE/ ADULT/ AGED/ *CARNITINE, analysis/ EPIDIDYMIS, analysis/ *GENITALIA, MALE, analysis/ HUMAN/ MALE/ MIDDLE AGE/ PROSTATE, analysis/ SEMINAL VESICLES, analysis/ TESTIS, analysis/ VAS DEFERENS, analysis

378. **Böhnel P:** Uber die Beteiligung von Hauptstückepithel am parietalen Blatt im corpusculum renale bei der Maus (Mus musculus). Experientia 34(10):1351–2, 15 Oct 78 (Eng. Abstr.) **(Ger)**
ANIMAL/ ENGLISH ABSTRACT/ EPITHELIUM, cytology/ FEMALE/ KIDNEY TUBULES, PROXIMAL, embryology/ *KIDNEY, embryology/ MALE/ MICE/ SEX HORMONES, physiology

379. **Bohner J, Eichstädt H, Wahl R, et al:** Hereditärer Mangel an thyroxinbindendem Globulin kombiniert mit hypertrophischer obstruktiver Kardiomyopathie. Verh Dtsch Ges Inn Med (84):666–70, 1978 **(Ger)**
BLOOD PROTEIN DISORDERS, complications/ *BLOOD PROTEIN DISORDERS, familial & genetic/ FEMALE/ HUMAN/ *IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS, complications/ MALE/ *THYROXINE BINDING PROTEIN, deficiency

380. **Bohnet HG, Naber NG, del Pozo E, et al:** Effects of synthetic gestagens on serum prolactin and growth hormone secretion in amenorrheic patients. Arch Gynecol 226(3):233–40, 30 Nov 78
*AMENORRHEA, diagnosis/ BREAST NEOPLASMS, etiology/ FEMALE/ HUMAN/ *MEDROXYPROGESTERONE, pharmacodynamics/ METOCLOPRAMIDE, pharmacodynamics/ *NORETHINDRONE, pharmacodynamics/ *NORGESTREL, pharmacodynamics/ *PROLACTIN, blood/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood

381. **Bohr DF, Webb RC:** Lowering of activator calcium concentration in the relaxation of vascular smooth muscle. pp. 37–47.
In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977. (30 ref.)
ANIMAL/ AORTA, physiology/ BLOOD VESSELS, physiology/ CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ *CALCIUM, physiology/ ELECTROPHYSIOLOGY/ IN VITRO/ MANGANESE, pharmacodynamics/ MITOCHONDRIA, MUSCLE, metabolism/ MONOGRAPH/ MUSCLE CONTRACTION/ MUSCLE, SMOOTH, metabolism/ MUSCLE, SMOOTH, physiology/ MUSCLE, SMOOTH, ultrastructure/ NOREPINEPHRINE, pharmacodynamics/ POTASSIUM, pharmacodynamics/ RABBITS/ RATS/ REVIEW/ SARCOPLASMIC RETICULUM, metabolism/ SODIUM, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VASODILATION

382. **Bolis G, D'Incalci M, Gramellini F, et al:** Adriamycin in ovarian cancer patients resistant to cyclophosphamide. Eur J Cancer 14(12):1401–2, Dec 78
CYCLOPHOSPHAMIDE, therapeutic use/ *DOXORUBICIN, therapeutic use/ DRUG RESISTANCE/ FEMALE/ HUMAN/ MIDDLE AGE/ *OVARIAN NEOPLASMS, drug therapy

383. **Bolte A:** Fetale und plazentare Reifungsvorgänge am Ende der Schwangerschaft und ihre Diagnostik. Z Geburtshilfe Perinatol 182(6):393–404, Dec 78 (Eng. Abstr.) **(Ger)**
BIRTH WEIGHT/ BRAIN, physiology/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ FETAL HEART, physiology/ *FETUS, physiology/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ INFANT, PREMATURE/ JAUNDICE, NEONATAL, physiopathology/ ORGAN WEIGHT/ *PLACENTA, physiology/ *PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ RESPIRATORY DISTRESS SYNDROME, physiopathology/ ULTRASONICS, diagnostic use

384. **Boltshauser E, Meyer M, Deonna T:** Klinefelter syndrome and neurological disease. J Neurol 219(4):253–9, 22 Dec 78
ADOLESCENCE/ ADULT/ ATAXIA, complications/ BRAIN DISEASES, complications/ CASE REPORT/ CEREBELLUM, abnormalities/ CEREBRAL ANEURYSM, complications/ CYSTS, complications/ EPILEPSY, complications/ HUMAN/ *KLINEFELTER'S SYNDROME, complications/ MALE/ MENTAL RETARDATION, complications/ MIDDLE AGE/ *NERVOUS SYSTEM DISEASES, complications/ TREMOR, complications

385. **Bonadonna G, Valagussa P, Rossi A, et al:** Are surgical adjuvant trials altering the course of breast cancer? Semin Oncol 5(4):450–64, Dec 78 (55 ref.)
ADULT/ AGED/ *ANTINEOPLASTIC AGENTS, administration & dosage/ ANTINEOPLASTIC AGENTS, adverse effects/ BREAST NEOPLASMS, metabolism/ BREAST NEOPLASMS, surgery/ *BREAST NEOPLASMS, therapy/ BCG VACCINE, therapeutic use/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ CYCLOPHOSPHAMIDE, administration & dosage/

DRUG THERAPY, COMBINATION/ FEMALE/ FLUOROURACIL, administration & dosage/ HUMAN/ METHOTREXATE, administration & dosage/ MIDDLE AGE/ OVARY, drug effects/ RECEPTORS, ESTROGEN/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

386. **Bonfield W, Grynpas MD, Young RJ:** Crack velocity and the fracture of bone. J Biomech 11(10–12):473–9, 1978
ANIMAL/ *BONE AND BONES, physiology/ BONE AND BONES, ultrastructure/ CATTLE/ FEMORAL FRACTURES, physiopathology/ FEMUR, physiology/ FRACTURES, pathology/ *FRACTURES, physiopathology/ STRESS, MECHANICAL

387. **Bonifacino JS, Sánchez SH, Paladini AC:** Solubilization of the lactogenic receptors from rat liver microsomes.
Biochem Biophys Res Commun 85(1):62–9, 14 Nov 78
ANIMAL/ BINDING, COMPETITIVE/ FEMALE/ KINETICS/ *MICROSOMES, LIVER, metabolism/ RATS/ RECEPTORS, HORMONE, isolation & purification/ *RECEPTORS, HORMONE, metabolism/ *SOMATOTROPIN, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP

388. **Bonnafous JC, Dornand J, Mani JC:** Lymphocyte adenylate cyclase. Its possible involvement in the stimulation of lymphocytes by lectins (proceedings]
Arch Int Physiol Biochim 86(4):846–7, Oct 78
ADENOSINE, metabolism/ *ADENYL CYCLASE, metabolism/ ANIMAL/ LECTINS, pharmacodynamics/ LYMPH NODES/ *LYMPHOCYTE TRANSFORMATION/ *LYMPHOCYTES, enzymology/ NUCLEOTIDASES, metabolism/ SWINE

389. **Bönner G, Helber A, Vrinssen D, et al:** Einfluss unterschiedlicher Natriumzufuhr auf die Exkretion von Desoxycorticosteron, Cortisol und Aldosteron sowie auf die ACTH-Stimulation dieser Corticoide.
Verh Dtsch Ges Inn Med (84):1458–62, 1978 **(Ger)**
*ADRENAL CORTEX HORMONES, urine/ ALDOSTERONE, urine/ CORTICOTROPIN, physiology/ CORTISONE, urine/ DESOXYCORTICOSTERONE, urine/ HUMAN/ *HYPERTENSION, metabolism/ *SODIUM, pharmacodynamics

390. **Bonnet JP, Galante M, Brèthes D, et al:** Purification of sarcoplasmic reticulum vesicles through their loading with calcium phosphate. Arch Biochem Biophys 191(1):32–41, Nov 78
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM PHOSPHATES, metabolism/ CALCIUM, metabolism/ CELL FRACTIONATION, methods/ CENTRIFUGATION, DENSITY GRADIENT/ FREEZE FRACTURING/ KINETICS/ MUSCLES, metabolism/ RABBITS/ SARCOPLASMIC RETICULUM, metabolism/ *SARCOPLASMIC RETICULUM, ultrastructure

391. **Bonney RJ, Wightman PD, Davies P, et al:** Regulation of prostaglandin synthesis and of the selective release of lysosomal hydrolases by mouse peritoneal macrophages.
Biochem J 176(2):433–42, 15 Nov 78
ANIMAL/ ARACHIDONIC ACIDS, metabolism/ CELLS, CULTURED/ *HYDROLASES, metabolism/ INDOMETHACIN, pharmacodynamics/ LIPIDS, metabolism/ *LYSOSOMES, enzymology/ MACROPHAGES, drug effects/ *MACROPHAGES, metabolism/ MALE/ MICE/ *PROSTAGLANDINS, biosynthesis/ THIOGLYCOLATES, pharmacodynamics/ ZYMOSAN, pharmacodynamics

392. **Bonnici F:** Functional hypoparathyroidism in infantile hypocalcaemic stage I vitamin D deficiency rickets.
S Afr Med J 54(15):611–2, 7 Oct 78
CASE REPORT/ HUMAN/ *HYPOCALCEMIA, complications/ *HYPOPARATHYROIDISM, complications/ INFANT/ *RICKETS, complications

393. **Bonnyns M, Cano P, Osterland CK, et al:** Immune reactions in patients with Graves' disease. Am J Med 65(6):971–7, Dec 78
ADOLESCENCE/ ADULT/ AGE FACTORS/ AUTOANTIBODIES, analysis/ B-LYMPHOCYTES, immunology/ BLOOD PROTEINS, metabolism/ FEMALE/ *GOITER, EXOPHTHALMIC, immunology/ HUMAN/ HYPERSENSITIVITY, DELAYED, immunology/ IMMUNITY, CELLULAR/ MALE/ MIDDLE AGE/ SEX FACTORS/ T-LYMPHOCYTES, immunology

394. **Bonomi L, Perfetti S, Nova E, et al:** Experimental corticosteroid ocular hypertension in the rabbit.
Albrecht Von Graefes Arch Klin Exp Ophthalmol 209(2):73–82, 15 Dec 78
ANIMAL/ ANTIHYPERTENSIVE AGENTS, therapeutic use/ BETAMETHASONE, adverse effects/ *BETAMETHASONE, pharmacodynamics/ FEMALE/ GLAUCOMA, chemically induced/ GLAUCOMA, drug therapy/ *INTRAOCULAR PRESSURE, drug effects/ MALE/ RABBITS

395. **Bonsall RW, Zumpe D, Michael RP:** Menstrual cycle influences on operant behavior of female rhesus monkeys.
J Comp Physiol Psychol 92(5):846–55, Oct 78
ANIMAL/ *CONDITIONING, OPERANT, physiology/ EJACULATION/ ESTRADIOL, blood/ FEMALE/ GROOMING/ *MACACA, physiology/ *MENSTRUATION/ MONKEYS/ OVULATION/ PROGESTERONE, blood/ *RHESUS MONKEYS, physiology/ *SEX BEHAVIOR, ANIMAL, physiology/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

396. **Bonte J:** Effets secondaires de la contraception hormonale sur les seins. Gynaekol Rundsch 18(3–4):220–45, 1978 **(Fre)**
ADULT/ AGE FACTORS/ AGED/ BREAST DISEASES, chemically induced/ BREAST NEOPLASMS, chemically induced/ *BREAST, drug effects/ *CONTRACEPTIVE AGENTS, FEMALE, adverse effects/ *CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ FEMALE/ GALACTORRHEA, chemically induced/ HUMAN/ MAMMOGRAPHY/ MIDDLE AGE/ PARITY/ PREGNANCY

397. **Bonte J:** Effets bénéfiques de la médroxyprogestérone à dose contraceptive et à forte dose dans la prévention et le traitement des affections hyperplasiques de l'utérus.
Gynaekol Rundsch 18(3–4):172–82, 1978 **(Fre)**
ADENOCARCINOMA, drug therapy/ ADULT/ *CERVIX NEOPLASMS, prevention & control/ CONTRACEPTIVE AGENTS, FEMALE, administration & dosage/ *CONTRACEPTIVE AGENTS, FEMALE, therapeutic use/ ENDOMETRIOSIS, drug therapy/ FEMALE/ HUMAN/ MEDROXYPROGESTERONE, administration & dosage/ *MEDROXYPROGESTERONE, therapeutic use/ MIDDLE AGE/ *PRECANCEROUS CONDITIONS, prevention & control/ *UTERINE NEOPLASMS, prevention & control

398. **Borazjani G, Javey H, Sadjadi HE, et al:** Maternal mortality in south Iran: a seven-year survey.
Int J Gynaecol Obstet 16(1):65–9, 1978
ADOLESCENCE/ ADULT/ CHORIOCARCINOMA, mortality/ FEMALE/ HUMAN/ IRAN/ LIVER DISEASES, mortality/ *MATERNAL MORTALITY/ PREGNANCY COMPLICATIONS, INFECTIOUS, mortality/ PREGNANCY TOXEMIAS, mortality/ PREGNANCY/ PUERPERAL INFECTION, mortality/ PULMONARY EMBOLISM, mortality/ SEPTICEMIA, mortality/ THROMBOPHLEBITIS, mortality/ UTERINE HEMORRHAGE, mortality

399. **Borghi C, Nicosia S, Giachetti A, et al:** Vasoactive intestinal polypeptide (VIP) stimulates adenylate cyclase in selected areas of rat brain. Life Sci 24(1):65–70, 1 Jan 79
*ADENYL CYCLASE, metabolism/ ANIMAL/ *BRAIN, drug effects/ BRAIN, enzymology/ DRUG INTERACTIONS/ *GASTROINTESTINAL HORMONES, pharmacodynamics/ IN VITRO/ MALE/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASOACTIVE INTESTINAL PEPTIDE, analogs & derivatives/ *VASOACTIVE INTESTINAL PEPTIDE, pharmacodynamics

400. **Borisov AI:** Kombinirovannoe lekarstvennoe lechenie daleko zashedshikh form raka molochnoĭ zhelezy. Vopr Onkol 24(12):23–7, 1978 (Eng. Abstr.) **(Rus)**
*ANTINEOPLASTIC AGENTS, administration & dosage/ *BREAST NEOPLASMS, drug therapy/ CASTRATION/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ CYCLOPHOSPHAMIDE, administration & dosage/

DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ FLUOROURACIL, administration & dosage/ HEXESTROL, administration & dosage/ HUMAN/ LYMPHATIC METASTASIS, drug therapy/ MENOPAUSE/ METHOTREXATE, administration & dosage/ NEOPLASM METASTASIS/ PREDNISOLONE, administration & dosage/ TESTOSTERONE, administration & dosage/ TIME FACTORS/ VINCRISTINE, administration & dosage

401. **Borodin PM, Bochkarev MN, Smirnova IS, et al:** Mutant allele frequencies in domestic cat populations of six Soviet cities. J Hered 69(3):169–74, May–Jun 78
*ALLELES/ ANIMAL/ *CATS, genetics/ FEMALE/ *GENE FREQUENCY/ *HAIR/ LINKAGE (GENETICS)/ MALE/ MUTATION/ PHENOTYPE/ *PIGMENTATION/ SEX CHROMOSOMES/ USSR

402. **Boroyan RG, Mirzoian SA:** Comparative effects of prostaglandins on the embryonic myocardium. Acta Biol Med Ger 37(5–6):797–9, 1976
CHICK EMBRYO/ COMPARATIVE STUDY/ HEART, embryology/ *MYOCARDIAL CONTRACTION, drug effects/ PROSTAGLANDINS A, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics

403. **Borrell J, Piva F, Martini L:** Effect of pentobarbital on serum levels of LH, FSH and prolactin in long-term ovariectomized rats. Neuroendocrinology 27(5–6):239–46, 1978
ANIMAL/ *CASTRATION/ FEMALE/ *FSH, blood/ KINETICS/ *LH, blood/ *PENTOBARBITAL, pharmacodynamics/ *PROLACTIN, blood/ RATS

404. **Boryma TV, Nitsovych RM, Hirman VI, et al:** Stan ploda i novonarodzhenoho zalezhno vid funktsional'noï nedostatnosti platsenty. Pediatr Akush Ginekol (6):49–51, Nov–Dec 78 **(Ukr)**
FEMALE/ *FETUS, physiology/ HUMAN/ *INFANT, NEWBORN/ KIDNEY, physiopathology/ *PLACENTA DISORDERS, physiopathology/ *PLACENTAL INSUFFICIENCY, physiopathology/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, physiopathology/ PREGNANCY TOXEMIAS, physiopathology/ PREGNANCY/ WATER-ELECTROLYTE IMBALANCE, physiopathology

405. **Boschero AC, Malaisse WJ:** Stimulus–secretion coupling of glucose-induced insulin release. XXIX. Regulation of 86Rb+ efflux from perfused islets. Am J Physiol 236(2):E139–46, Feb 79
ANIMAL/ BARIUM, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, metabolism/ FEMALE/ *GLUCOSE, pharmacodynamics/ IN VITRO/ INSULIN, secretion/ IPROVERATRIL, pharmacodynamics/ *ISLANDS OF LANGERHANS, metabolism/ ISLANDS OF LANGERHANS, secretion/ MAGNESIUM, metabolism/ OUABAIN, pharmacodynamics/ PERFUSION/ POTASSIUM, metabolism/ RATS/ *RUBIDIUM, metabolism/ TOLBUTAMIDE, pharmacodynamics/ VALINOMYCIN, pharmacodynamics/ VERATRIDINE, pharmacodynamics

406. **Bosco F, Aleci C, Pollastro R:** Gammaorbitografia con 67Ga e 99mTc negli esoftalmi di origine distireosica. Minerva Med 69(51):3535–8, 27 Oct 78 **(Ita)**
ADULT/ AGED/ DIAGNOSIS, DIFFERENTIAL/ *EXOPHTHALMOS, radionuclide imaging/ FEMALE/ *GALLIUM RADIOISOTOPES, diagnostic use/ GOITER, EXOPHTHALMIC, radionuclide imaging/ HUMAN/ MALE/ MIDDLE AGE/ ORBITAL NEOPLASMS, radionuclide imaging/ *TECHNETIUM, diagnostic use

407. **Botez MI, Young SN, Bachevalier J, et al:** Folate deficiency and decreased brain 5-hydroxytryptamine synthesis in man and rat. Nature 278(5700):182–3, 8 Mar 79
ANIMAL/ BEHAVIOR, physiology/ *BRAIN, metabolism/ DOPAMINE, metabolism/ FOLIC ACID DEFICIENCY, cerebrospinal fluid/ *FOLIC ACID DEFICIENCY, metabolism/ HUMAN/ HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ NOREPINEPHRINE, metabolism/ RATS/ *SEROTONIN, biosynthesis/ TRYPTOPHAN, cerebrospinal fluid

408. **Bottema CK, Parks LW:** Delta14-sterol reductase in Saccharomyces cerevisiae. Biochim Biophys Acta 531(3):301–7, 22 Dec 78
CHOLESTADIENOLS, pharmacodynamics/ ERGOSTEROL, analogs & derivatives/ HYDROGEN-ION CONCENTRATION/ KINETICS/ OXIDOREDUCTASES, antagonists & inhibitors/ *OXIDOREDUCTASES, metabolism/ *SACCHAROMYCES CEREVISIAE, enzymology/ SUBCELLULAR FRACTIONS, enzymology/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

409. **Bottermann P, Wasilewski B, Steinböck H, et al:** Schilddrüsenfunktion bei Patienten mit phasenhaft verlaufenden affektiven Erkrankungen (Zyklothymie) während Lithium-Behandlung. Verh Dtsch Ges Inn Med (84):1570–3, 1978 **(Ger)**
*CYCLOTHYMIC PERSONALITY, drug therapy/ HUMAN/ *LITHIUM, therapeutic use/ *PERSONALITY DISORDERS, drug therapy/ *THYROID GLAND, drug effects

410. **Boullin DJ, Know JM, Peters JR, et al:** Platelet aggregation and chlorpromazine therapy. Br J Clin Pharmacol 6(6):538–40, Dec 78
*CHLORPROMAZINE, pharmacodynamics/ CHLORPROMAZINE, therapeutic use/ CHRONIC DISEASE/ HUMAN/ METABOLISM, drug effects/ *PLATELET AGGREGATION, drug effects/ SCHIZOPHRENIA, blood/ SCHIZOPHRENIA, drug therapy/ SEROTONIN, pharmacodynamics

411. **Boullin DJ, Bunting S, Blaso WP, et al:** Responses of human and baboon arteries to prostaglandin endoperoxides and biologically generated and synthetic prostacyclin: their relevance to cerebral arterial spasm in man. Br J Clin Pharmacol 7(2):139–47, Feb 79
ANIMAL/ *ARTERIES, drug effects/ BABOONS/ CEREBRAL ARTERY DISEASES, etiology/ FEMALE/ HUMAN/ IN VITRO/ MALE/ PROSTAGLANDIN ENDOPEROXIDES, pharmacodynamics/ *PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, SYNTHETIC, pharmacodynamics/ SPASM, etiology/ VASOCONSTRICTOR AGENTS/ VASODILATOR AGENTS

412. **Bourgeois P, Baeckelandt P, Legros F:** Effect of animal and plant hormones on insulin fixation to Acetabularia mediterranea [proceedings] Arch Int Physiol Biochim 86(3):708–14, Aug 78
ACETABULARIA, drug effects/ *ACETABULARIA, metabolism/ *ALGAE, GREEN, metabolism/ BINDING, COMPETITIVE/ CORTICOTROPIN, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ GLUCAGON, pharmacodynamics/ *INSULIN, metabolism/ KINETICS/ PREDNISOLONE, pharmacodynamics/ PROTEIN BINDING/ SOMATOTROPIN, pharmacodynamics

413. **Bouroncle BA:** Leukemic reticuloendotheliosis (hairy cell leukemia). Blood 53(3):412–36, Mar 79 (83 ref.)
ACID PHOSPHATASE, blood/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ BONE MARROW, pathology/ FEMALE/ HUMAN/ *LEUKEMIA, HAIRY CELL, blood/ LEUKEMIA, HAIRY CELL, diagnosis/ LEUKEMIA, HAIRY CELL, therapy/ LIVER, pathology/ LYMPH NODES, pathology/ MALE/ MECHLORETHAMINE, therapeutic use/ MERCAPTOPURINE, therapeutic use/ MIDDLE AGE/ REVIEW/ SPLEEN, radiography/ SPLEEN, ultrastructure/ SPLENECTOMY

414. **Bowen DM, White P, Spillane JA, et al:** Accelerated ageing or selective neuronal loss as an important cause of dementia? Lancet 1(8106):11–4, 6 Jan 79
AGED/ *AGING/ *ALZHEIMER'S DISEASE, etiology/ ALZHEIMER'S DISEASE, metabolism/ ALZHEIMER'S DISEASE, pathology/ ATROPHY/ CAUDATE NUCLEUS, pathology/ CELL COUNT/ CHOLINE ACETYLTRANSFERASE, deficiency/ *DEMENTIA, PRESENILE, etiology/ FEMALE/ FRUCTOSEDIPHOSPHATE ALDOLASE, deficiency/ GLYCOLYSIS/ HUMAN/ HYDROXYINDOLEACETIC ACID, deficiency/ MALE/ MIDDLE AGE/ NERVE

DEGENERATION/ PHOSPHOFRUCTOKINASE, deficiency/ *RECEPTORS, CHOLINERGIC/ SEROTONIN, deficiency/ TEMPORAL LOBE, metabolism/ *TEMPORAL LOBE, pathology

415. **Bownes M, Hames BD:** Analysis of the yolk proteins in Drosophila melanogaster. Translation in a cell free system and peptide analysis. FEBS Lett 96(2):327–30, 15 Dec 78
ADIPOSE TISSUE, metabolism/ ANIMAL/ CELL-FREE SYSTEM/ *DROSOPHILA MELANOGASTER, metabolism/ *EGG PROTEINS, biosynthesis/ EGG YOLK/ MOLECULAR WEIGHT/ OVARY, metabolism/ PROTEIN PRECURSORS, biosynthesis/ TRANSLATION, GENETIC

416. **Box BM, Saudino D, Mogenson GJ:** Light–dark rhythms and drinking behavior in the rat. Behav Biol 24(1):107–12, Sep 78
ANIMAL/ *CIRCADIAN RHYTHM/ *DARKNESS/ *DRINKING BEHAVIOR/ HYPERTONIC SOLUTIONS/ *LIGHTING/ MALE/ RATS/ RENIN, pharmacodynamics/ SACCHARIN/ SODIUM CHLORIDE, pharmacodynamics/ WATER

417. **Boyd RD, Moser BD, Peo ER Jr, et al:** Effect of energy source prior to parturition and during lactation on tissue lipid, liver glycogen and plasma levels of some metabolites in the newborn pig. J Anim Sci 47(4):874–82, Oct 78
*ANIMAL NUTRITION/ ANIMAL/ *ANIMALS, NEWBORN, metabolism/ BLOOD SUGAR, analysis/ COMPARATIVE STUDY/ DIETARY CARBOHYDRATES, metabolism/ DIETARY FATS, metabolism/ ENERGY METABOLISM/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ HYDROXYBUTYRATES, blood/ LACTATION/ *LIPIDS, metabolism/ *LIVER GLYCOGEN, metabolism/ PREGNANCY/ *PREGNANCY, ANIMAL/ *SWINE, metabolism/ SWINE, physiology

418. **Boyd RD, Moser BD, Peo ER Jr, et al:** Effect of energy source prior to parturition and during lactation on piglet survival and growth and on milk lipids. J Anim Sci 47(4):883–92, Oct 78
*ANIMAL NUTRITION/ ANIMAL/ BIRTH WEIGHT/ COMPARATIVE STUDY/ DIETARY CARBOHYDRATES, metabolism/ DIETARY FATS, metabolism/ ENERGY METABOLISM/ FEMALE/ LACTATION/ *LIPIDS, analysis/ *MILK, analysis/ PREGNANCY/ *PREGNANCY, ANIMAL/ *SWINE, growth & development/ SWINE, metabolism/ SWINE, physiology

419. **Boyde A, Sela J:** Scanning electron microscope study of separated calcospherites from the matrices of different mineralizing systems. Calcif Tissue Res 26(1):47–9, 10 Nov 78
ANIMAL/ *CALCIFICATION, PHYSIOLOGIC/ *CARTILAGE, ultrastructure/ CATTLE/ *DENTIN, ultrastructure/ MANDIBLE, ultrastructure/ MICROSCOPY, ELECTRON, SCANNING/ MOLAR, ultrastructure/ MONKEYS/ TOOTH CALCIFICATION

420. **Boylan P, Drury MI:** Pregnancy in untreated hypothyroidism. Ir J Med Sci 148(1):10–11, Jan 79
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, drug therapy/ INFANT/ INFANT, NEWBORN/ *PREGNANCY COMPLICATIONS/ PREGNANCY/ THYROXINE, therapeutic use

421. **Brachet E:** Albumin permeation through the isolated rat mesentery. Pharmacological and biochemical aspects. Arch Int Physiol Biochim 86(3):653–7, Aug 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ BRADYKININ, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DIFFUSION/ HISTAMINE, pharmacodynamics/ MESENTERY, drug effects/ *MESENTERY, metabolism/ PROSTAGLANDINS, pharmacodynamics/ RATS/ *SERUM ALBUMIN, metabolism/ THEOPHYLLINE, pharmacodynamics

422. **Brachet J, Département de Biologie Moléculaire, Université Libre de Bruxelles, Brussels- Belgium.:** The hormonal induction of maturation in amphibian oocytes. Med Biol 56(6):304–9, Dec 78 (56 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *AMPHIBIA, embryology/ ANIMAL/ CELL MEMBRANE, drug effects/ CELL MOVEMENT, drug effects/ DNA, biosynthesis/ ELECTROLYTES/ EMBRYONIC INDUCTION, drug effects/ HISTONE KINASE, biosynthesis/ HISTONES, biosynthesis/ IONS/ LANTHANUM, pharmacodynamics/ *MEIOSIS/ MEIOSIS, drug effects/ MODELS, BIOLOGICAL/ *OOCYTES, drug effects/ OOCYTES, metabolism/ ORGANOMERCURY COMPOUNDS, pharmacodynamics/ *OVUM, drug effects/ *PROGESTERONE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ REVIEW

423. **Bradley SE, Coelho JB:** Glomerulotubular dimensional readjustments during compensatory renal hypertrophy in the hypothyroid rat. Yale J Biol Med 51(3):327–30, May–Jun 78
ADAPTATION, PHYSIOLOGICAL/ ANIMAL/ HYPERTROPHY/ *HYPOTHYROIDISM, physiopathology/ *KIDNEY GLOMERULUS, physiology/ KIDNEY GLOMERULUS, physiopathology/ *KIDNEY TUBULES, PROXIMAL, physiology/ KIDNEY TUBULES, PROXIMAL, physiopathology/ NEPHRECTOMY/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

424. **Braganza A, Wilson WO:** Elevated temperature effects on catecholamines and serotonin in brains of male Japanese quail. J Appl Physiol 45(5):705–8, Nov 78
ANIMAL/ *BRAIN CHEMISTRY/ *CATECHOLAMINES, analysis/ COMPARATIVE STUDY/ DOPAMINE, analysis/ EPINEPHRINE, analysis/ *HEAT, adverse effects/ MALE/ NOREPINEPHRINE, analysis/ *QUAIL, metabolism/ *SEROTONIN, analysis/ STRESS, etiology/ STRESS, metabolism/ TIME FACTORS

425. **Braganza A, Wilson WO:** Effect of acute and chronic elevated air temperatures, constant (34 degrees) and cyclic (10--34 degrees), on brain and heart norepinephrine of male Japanese quail. Gen Comp Endocrinol 36(2):233–7, Oct 78
ACCLIMATIZATION/ ADRENAL GLANDS, anatomy & histology/ ANIMAL/ BODY WEIGHT/ BRAIN, drug effects/ *BRAIN, metabolism/ HEART, anatomy & histology/ HEART, drug effects/ HEAT/ MALE/ METHYLTYROSINES, pharmacodynamics/ *MYOCARDIUM, metabolism/ *NOREPINEPHRINE, metabolism/ ORGAN WEIGHT/ QUAIL/ TESTIS, anatomy & histology/ TIME FACTORS

426. **Brain P, Benton D:** The interpretation of physiological correlates of differential housing in laboratory rats. Life Sci 24(2):99–115, 8 Jan 79 (107 ref.)
ADRENAL CORTEX, physiology/ ADRENAL GLANDS, anatomy & histology/ ANIMAL/ AROUSAL, physiology/ BEHAVIOR, ANIMAL, physiology/ BRAIN CHEMISTRY/ FEMALE/ GONADS, physiology/ HORMONES, metabolism/ *HOUSING, ANIMAL/ MALE/ MEMORY, physiology/ NEUROHUMORS, metabolism/ ORGAN WEIGHT/ RATS, metabolism/ *RATS, physiology/ REVIEW/ SOCIAL BEHAVIOR/ *SOCIAL ENVIRONMENT/ SOCIAL ISOLATION/ STRESS, PSYCHOLOGICAL, metabolism/ STRESS, PSYCHOLOGICAL, physiopathology

427. **Braithwaite SS, Perkins FL, Ryan RG, et al:** Saline-resistant hyperkalemia in Addison's disease [letter] Ann Intern Med 90(1):133, Jan 79
*ADDISON'S DISEASE, complications/ ADULT/ CASE REPORT/ *DIABETES MELLITUS, JUVENILE, complications/ HUMAN/ *HYPERKALEMIA, etiology/ MALE

428. **Brambilla F, Resele L, De Maio D, et al:** Gonadotropin response to synthetic gonadotropin hormone-releasing hormone (GnRH) in heroin addicts. Am J Psychiatry 136(3):314–7, Mar 79
ADOLESCENCE/ ADULT/ DIACETYLMORPHINE, pharmacodynamics/ FSH, blood/ FSH, secretion/ *GONADOTROPINS, PITUITARY, blood/ *HEROIN ADDICTION, blood/ *HORMONES, SYNTHETIC, pharmacodynamics/ HUMAN/ LH, blood/ LH, secretion/ MALE/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ *PITUITARY HORMONE RELEASING HORMONES, pharmacodynamics/ TIME FACTORS

429. **Bramley TA, Ryan RJ:** Interations of gonadotropins with corpus luteum membranes. VII. Association of hCG-binding and adenylate cyclase activities with rabbit corpus luteum

plasma-membranes. Mol Cell Endocrinol 12(3):319-25, Dec 78
*ADENYL CYCLASE, metabolism/ ANIMAL/ BINDING SITES/ CELL FRACTIONATION/ CELL MEMBRANE, enzymology/ CELL MEMBRANE, metabolism/ CORPUS LUTEUM, enzymology/ *CORPUS LUTEUM, metabolism/ FEMALE/ *GONADOTROPINS, CHORIONIC, metabolism/ MICROVILLI, metabolism/ PSEUDOPREGNANCY, metabolism/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

430. **Brandau H:** LH-Bestimmungen im Urin mit dem HI-Gonavis-Test zur Ovulationsvoraussage. Geburtshilfe Frauenheilkd 38(12):1047-51, Dec 78 (Eng. Abstr.) **(Ger)**
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IMMUNOLOGIC TECHNICS/ LH, blood/ *LH, urine/ *OVULATION/ RADIOIMMUNOASSAY/ STERILITY, FEMALE, therapy/ TIME FACTORS

431. **Branehög I, Olsson KS, Weinfeld A, et al:** Association of hyperthyroidism with idiopathic thrombocytopenic purpura and haemolytic anaemia. Acta Med Scand 205(1-2):125-31, 1979
ADRENAL CORTEX HORMONES, therapeutic use/ ANEMIA, HEMOLYTIC, blood/ *ANEMIA, HEMOLYTIC, complications/ ANEMIA, HEMOLYTIC, therapy/ BLOOD CELL COUNT/ BLOOD PLATELETS/ CASE REPORT/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ *HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, therapy/ MIDDLE AGE/ PURPURA, THROMBOPENIC, blood/ *PURPURA, THROMBOPENIC, complications/ PURPURA, THROMBOPENIC, therapy/ SPLENECTOMY

432. **Brauman H, Dupont E, Valsamis J, et al:** La beta2-microglobuline plasmatique chez les transplantés rénaux. Pathol Biol (Paris) 26(6):313-6, Sep 78 (Eng. Abstr.) **(Fre)**
ADRENAL CORTEX HORMONES, pharmacodynamics/ AZATHIOPRINE, pharmacodynamics/ *BETA GLOBULINS, analysis/ *BETA 2 MICROGLOBULIN, analysis/ BETA 2 MICROGLOBULIN, metabolism/ CREATININE, blood/ DEPRESSION, CHEMICAL/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ HEPATITIS, physiopathology/ HUMAN/ *KIDNEY, transplantation

433. **Braun R, Rybarz A, Schulz M, et al:** Zur Einführung der 9. Revision der Internationalen Statistischen Klassifikation der Krankheiten, Verletzungen und Todesursachen. Z Aerztl Fortbild (Jena) 72(20):990-5, 15 Oct 78 **(Ger)**
BONE DISEASES, classification/ CARDIOVASCULAR DISEASES, classification/ COMMUNICABLE DISEASES, classification/ *DISEASE, classification/ ENDOCRINE DISEASES, classification/ HUMAN/ MANUALS/ MENTAL DISORDERS, classification/ *MORTALITY/ MUSCULAR DISEASES, classification/ NERVOUS SYSTEM DISEASES, classification/ PARASITIC DISEASES, classification/ POISONING, classification/ PREGNANCY COMPLICATIONS, classification/ WORLD HEALTH ORGANIZATION/ *WOUNDS AND INJURIES, classification

434. **Braun-Falco O:** Problem der Langzeitanwendung Steroid-Externa: Vermeidbare Nebenwirkungen. MMW 121(4):118-9, 26 Jan 79 **(Ger)**
ADMINISTRATION, TOPICAL/ DERMATITIS, drug therapy/ *ECZEMA, drug therapy/ *STEROIDS, administration & dosage/ STEROIDS, adverse effects/ TETRACYCLINE, therapeutic use

435. **Braunwald E:** Heart failure--pathophysiological considerations. pp. 213-32.
In: Dickinson CJ, Marks J, ed. Developments in cardiovascular medicine. Lancaster, Eng., MTP Press, 1978. WG 100.3 D489 1978.
ADRENERGIC FIBERS, physiopathology/ ANIMAL/ CALCIUM, metabolism/ CORONARY DISEASE, physiopathology/ DOGS/ ENERGY METABOLISM/ EXTRACELLULAR SPACE, physiology/ GUINEA PIGS/ HAMSTERS/ HEART ENLARGEMENT, physiopathology/ HEART FAILURE, CONGESTIVE, metabolism/ *HEART FAILURE, CONGESTIVE, physiopathology/ HEMODYNAMICS/ HUMAN/ MESOCRICETUS/ MONOGRAPH/ MYOCARDIAL CONTRACTION/ MYOCARDIUM, metabolism/ NOREPINEPHRINE, metabolism/ OXYGEN CONSUMPTION/ RABBITS

436. **Brautbar C, Rösler A, Landau H, et al:** No linkage between HLA and congenital adrenal hyperplasia due to 11-beta-hydroxylase deficiency [letter] N Engl J Med 300(4):205-6, 25 Jan 79
ADRENAL GLAND HYPERFUNCTION, congenital/ *ADRENAL GLAND HYPERFUNCTION, familial & genetic/ FEMALE/ GENOTYPE/ HUMAN/ *HL-A ANTIGENS/ *LINKAGE (GENETICS)/ MALE/ RECOMBINATION, GENETIC/ *STEROID HYDROXYLASES, deficiency/ STEROID HYDROXYLASES, genetics

437. **Bray GA:** Endocrine factors in the modulation of food intake. Proc Nutr Soc 37(3):301-9, Dec 78 (53 ref.)
ADRENAL CORTEX HORMONES, physiology/ ADRENAL GLANDS, physiology/ ANIMAL/ CHOLECYSTOKININ, physiology/ *DIET/ ESTROGENS, physiology/ GASTROINTESTINAL HORMONES, physiology/ GLUCAGON, physiology/ *HORMONES, physiology/ HUMAN/ INSULIN, physiology/ NEUROTENSIN, physiology/ PANCREAS, physiology/ PANCREATIC POLYPEPTIDE, physiology/ PROGESTERONE, physiology/ REVIEW/ THYROID HORMONES, physiology

438. **Breda M, Ciani R, Celeste G, et al:** Aspetti istofunzionali del surrene di ratto a seguito di somministrazione di etinil-estradiolo (ricerca istologica). Boll Soc Ital Biol Sper 54(1):105-10, 15 Jan 78 **(Ita)**
*ADRENAL CORTEX, drug effects/ ADRENAL CORTEX, ultrastructure/ ANIMAL/ *ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ PITUITARY-ADRENAL SYSTEM, drug effects/ RATS

439. **Bree RL, Silver TM, Wicks JD, et al:** Trophoblastic disease with coexistent fetus: a sonographic and clinical spectrum. JCU 6(5):310-4, Oct 78
ADULT/ FEMALE/ FETUS, physiology/ HUMAN/ MALE/ PLACENTA, physiopathology/ *PREGNANCY COMPLICATIONS, diagnosis/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY/ TISSUE SURVIVAL/ *TROPHOBLASTIC TUMOR, diagnosis/ TROPHOBLASTIC TUMOR, physiopathology/ ULTRASONICS, diagnostic use/ *UTERINE NEOPLASMS, diagnosis/ UTERINE NEOPLASMS, physiopathology

440. **Bremer K, Engeset A, Fröland SS:** Circulation and emigration kinetics of blood lymphocytes in lymphoma patients. Lymphology 11(4):231-7, Dec 78
*B-LYMPHOCYTES, physiology/ BLOOD CIRCULATION/ CELL MOVEMENT/ DYSGERMINOMA, blood/ HODGKIN'S DISEASE, blood/ HUMAN/ LEUKEMIA, LYMPHOCYTIC, blood/ LYMPH/ *LYMPHOMA, blood/ *T-LYMPHOCYTES, physiology/ TESTICULAR NEOPLASMS, blood

441. **Bremner I:** Cadmium toxicity. Nutritional influences and the role of metallothionein. World Rev Nutr Diet 32:165-97, 1978 (183 ref.)
ADULT/ AGE FACTORS/ AGED/ ANEMIA, HYPOCHROMIC, complications/ ANIMAL/ CADMIUM POISONING, complications/ *CADMIUM POISONING, metabolism/ CADMIUM, metabolism/ CADMIUM, toxicity/ CALCIUM, metabolism/ COPPER, metabolism/ *DIET/ FEMALE/ HUMAN/ IRON, metabolism/ MALE/ *METALLOPROTEINS, metabolism/ METALLOTHIONEIN, administration & dosage/ *METALLOTHIONEIN, metabolism/ MIDDLE AGE/ PREGNANCY/ REVIEW/ SELENIUM, metabolism/ ZINC, metabolism

442. **Bremond A, Blanc MC, Rochet Y:** L'hétérogénéité du syndrome des ovaires micro-poly-kystiques. Etude de 77 observations. Nouv Presse Med 7(41):3733-6, 25 Nov 78 (Eng. Abstr.) **(Fre)**
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LH, blood/ LH-FSH RELEASING HORMONE, diagnostic use/ MENOTROPINS, blood/ STEIN-LEVENTHAL SYNDROME, classification/ *STEIN-LEVENTHAL

SYNDROME, diagnosis/ STEIN-LEVENTHAL SYNDROME, surgery/ TESTOSTERONE, blood/ 17-KETOSTEROIDS, urine

443. **Bremond G, Garcin M, Magnan J, et al:** A propos de deux cas de coïncidence d'un épithélioma spino-cellulaire laryngé et d'un épithélioma papillaire thyroïdien.
J Fr Otorhinolaryngol 27(8):545-51, Oct 78 **(Fre)**
*CARCINOMA, EPIDERMOID, pathology/ *CARCINOMA, PAPILLARY, pathology/ CASE REPORT/ HUMAN/ *LARYNGEAL NEOPLASMS, pathology/ MALE/ MIDDLE AGE/ *THYROID NEOPLASMS, pathology

444. **Brenner KV, Gürtler H, Adeosun P:** ACTH-, Glukose- und Laktatgehalt im Blutplasma von Schweinen während einer Insulin-induzierten Hypoglykämie. Endokrinologie 72(2):231-8, May 78 (Eng. Abstr.) **(Ger)**
ANIMAL/ *BLOOD SUGAR, metabolism/ *CORTICOTROPIN, blood/ ENGLISH ABSTRACT/ *HYPOGLYCEMIA, blood/ HYPOGLYCEMIA, chemically induced/ INSULIN/ *LACTATES, blood/ SWINE

445. **Brenner T, Gorin E:** Metabolic fate of exogenous 5'-AMP, cyclic AMP, and cyclic GMP in rats. Biochem Med 20(2):160-6, Oct 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENOSINE MONOPHOSPHATE, metabolism/ ANIMAL/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ KIDNEY, metabolism/ MALE/ PURINE NUCLEOSIDES, metabolism/ PURINES, metabolism/ RATS/ RIBONUCLEOTIDES, metabolism/ TISSUE DISTRIBUTION

446. **Bressler NM, Broekman MJ, Marcus AJ:** Concurrent studies of oxygen consumption and aggregation in stimulated human platelets. Blood 53(2):167-78, Feb 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE DIPHOSPHATE, metabolism/ ARACHIDONIC ACIDS, metabolism/ BENZOATES, pharmacodynamics/ CATALASE, pharmacodynamics/ COLLAGEN, pharmacodynamics/ HUMAN/ *OXYGEN CONSUMPTION/ *PLATELET AGGREGATION/ PROSTAGLANDINS D, pharmacodynamics/ PROSTAGLANDINS X, pharmacodynamics/ SUPEROXIDE DISMUTASE, pharmacodynamics/ THROMBIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

447. **Breteau M, Bourin M, Bizière K:** Pharmacologie des diurétiques. Rev Prat 28(51):3971-2, 3975-6, 3981-3, 11 Nov 78 **(Fre)**
ALDOSTERONE ANTAGONISTS, pharmacodynamics/ ANTIHYPERTENSIVE AGENTS/ DIURESIS, drug effects/ *DIURETICS, pharmacodynamics/ DIURETICS, THIAZIDE, pharmacodynamics/ NEPHRONS, drug effects

448. **Breucker H:** Macrophages, a normal component in seasonally involuting testes of the swan, Cygnus olor.
Cell Tissue Res 193(3):463-71, 30 Oct 78
ANIMAL/ *BIRDS, anatomy & histology/ MACROPHAGES, physiology/ *MACROPHAGES, ultrastructure/ MALE/ PHAGOCYTOSIS/ SEASONS/ SEMINIFEROUS EPITHELIUM, ultrastructure/ *TESTIS, cytology

449. **Bridges RS:** Retention of rapid onset of maternal behavior during pregnancy in primiparous rats. Behav Biol 24(1):113-7, Sep 78
ANIMAL/ FEMALE/ *MATERNAL BEHAVIOR/ *MEMORY, physiology/ PARITY/ *PREGNANCY, ANIMAL/ PROGESTERONE, physiology/ RATS/ REACTION TIME/ *RETENTION (PSYCHOLOGY), physiology/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

450. **Briët E, van Tilburg NH, Veltkamp JJ:** Oral contraception and the detection of carriers in haemophilia B. Thromb Res 13(3):379-88, Sep 78
ADULT/ AGE FACTORS/ CHRISTMAS DISEASE, blood/ CHRISTMAS DISEASE, diagnosis/ *CHRISTMAS DISEASE, familial & genetic/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ESTROGENS, diagnostic use/ FACTOR IX, analysis/ FACTOR IX, immunology/ FEMALE/ *HETEROZYGOTE DETECTION/ HUMAN

451. **Brighton CT:** Structure and function of the growth plate.
Clin Orthop (136):22-32, Oct 78 (52 ref.)
ANIMAL/ *BONE AND BONES, anatomy & histology/ BONE AND BONES, blood supply/ BONE AND BONES, physiology/ *BONE DEVELOPMENT/ CARTILAGE, anatomy & histology/ CARTILAGE, physiology/ HUMAN/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

452. **Brin VB:** Vliianie blokady adrenoretseptorov na aktivnost' renina v plazme krovi u sobak v postnatal'nom ontogeneze. Zh Evol Biokhim Fiziol 14(6):538-41, Nov-Dec 78 (Eng. Abstr.) **(Rus)**
*ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ AGE FACTORS/ ANIMAL/ ANIMALS, NEWBORN, blood/ COMPARATIVE STUDY/ DIOXANES, pharmacodynamics/ DOGS/ ENGLISH ABSTRACT/ ONTOGENY/ *PROPRANOLOL, pharmacodynamics/ PYRROLIDINES, pharmacodynamics/ *RECEPTORS, ADRENERGIC, physiology/ RECEPTORS, ADRENERGIC, ALPHA, physiology/ RECEPTORS, ADRENERGIC, BETA, physiology/ *RENIN, blood

453. **Brinkworth RI, Masters CJ:** On the localization of lactate dehydrogenase in the ovaries and reproductive tracts of rats and mice. Mech Ageing Dev 8(5):299-310, Nov 78
ANIMAL/ CORPUS LUTEUM, enzymology/ *FALLOPIAN TUBES, enzymology/ FEMALE/ GRAAFIAN FOLLICLE, enzymology/ HISTOCYTOCHEMISTRY/ *LACTATE DEHYDROGENASE, metabolism/ MICE/ OOCYTES, enzymology/ *OVARY, enzymology/ PYRUVATES, pharmacodynamics/ RATS/ THECA CELLS, enzymology/ UREA, pharmacodynamics

454. **Brisse B, Bender F, Scherer HE:** Plasma-Bestimmungen von DBH, ACTH, CK-MB und CPK bei klinischem Verdacht auf Herzinfarkt. Verh Dtsch Ges Inn Med (84):722-5, 1978 **(Ger)**
CORTICOTROPIN, blood/ CREATINE KINASE/ DOPAMINE BETA-HYDROXYLASE, metabolism/ HUMAN/ ISOENZYMES, metabolism/ *MYOCARDIAL INFARCTION, diagnosis/ MYOCARDIAL INFARCTION, enzymology

455. **Britt BA:** Etiology and pathophysiology of malignant hyperthermia. Fed Proc 38(1):44-8, Jan 79
ACTIN, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL/ CALCIUM, metabolism/ HUMAN/ MALIGNANT HYPERTHERMIA, etiology/ *MALIGNANT HYPERTHERMIA, physiopathology/ MITOCHONDRIA, MUSCLE, metabolism/ MUSCLES, metabolism/ MYOSIN, metabolism

456. **Britton DE, Leinikki PO, Barranger JA, et al:** Gaucher's disease: lack of antibody response to intravenous glucocerebrosidase. Life Sci 23(25):2517-9, 18 Dec 78
ANTIBODY FORMATION/ CHILD/ CHILD, PRESCHOOL/ ENZYME-LINKED IMMUNOSORBENT ASSAY/ FEMALE/ GAUCHER'S DISEASE, drug therapy/ *GAUCHER'S DISEASE, immunology/ *GLUCOSIDASES, immunology/ *GLUCOSYLCERAMIDASE, immunology/ GLUCOSYLCERAMIDASE, therapeutic use/ HUMAN/ IGG, immunology/ IGM, immunology/ MALE/ MIDDLE AGE/ PLACENTA, enzymology

457. **Britton WJ, Gallagher ND, Little JM:** Liver tumours associated with oral contraceptives. Med J Aust 2(6):223-7, 9 Sep 78
ADENOMA, chemically induced/ ADENOMA, diagnosis/ ADENOMA, pathology/ ADENOMA, surgery/ ADULT/ CASE REPORT/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HEPATOMA, chemically induced/ HEPATOMA, diagnosis/ HEPATOMA, pathology/ HEPATOMA, surgery/ HUMAN/ *LIVER NEOPLASMS, chemically induced/ LIVER NEOPLASMS, diagnosis/ LIVER NEOPLASMS, pathology/ LIVER NEOPLASMS, surgery

458. **Briukhanov VM, Nikitin AI:** Vliianie insulina i prednisolona na transport organicheskikh veshchestv v pochkakh sobak. Biull Eksp Biol Med 86(12):694-7, Dec 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ COMPARATIVE STUDY/ DIURESIS,

drug effects/ DOGS/ ENGLISH ABSTRACT/ GLOMERULAR FILTRATION RATE, drug effects/ *GLUCOSE, metabolism/ *INSULIN, pharmacodynamics/ *IODOPYRACET, metabolism/ *KIDNEY, drug effects/ NATRIURESIS, drug effects/ POTASSIUM, urine/ *PREDNISOLONE, pharmacodynamics

459. **Brobst DF, Lee HA, Spencer GR:** Hypercalcemia and hypophosphatemia in a mare with renal insufficiency. J Am Vet Med Assoc 173(10):1370–2, 15 Nov 78
ANIMAL/ CASE REPORT/ FEMALE/ GLOMERULONEPHRITIS, blood/ GLOMERULONEPHRITIS, veterinary/ *HORSE DISEASES, blood/ HORSES/ HYPERCALCEMIA, blood/ *HYPERCALCEMIA, veterinary/ KIDNEY FAILURE, CHRONIC, blood/ *KIDNEY FAILURE, CHRONIC, veterinary/ *PHOSPHATES, blood/ POTASSIUM, blood/ PROTEINURIA, veterinary

460. **Brocas H, Vassart G, Seo H, et al:** Reverse transcription of purified prolactin messenger RNA [proceedings] Arch Int Physiol Biochim 86(4):906–7, Oct 78
PITUITARY GLAND, metabolism/ *PROLACTIN, genetics/ *REVERSE TRANSCRIPTASE, metabolism/ *RNA, MESSENGER, metabolism/ THYROIDECTOMY

461. **Brodanová M, Balas V, Kordač V:** Závažná jaterní onemocnění u žen při hormonální antikoncepci. Cesk Gastroenterol Vyz 32(8):515–6, Dec 78 **(Cze)**
ADULT/ *CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ FEMALE/ HUMAN/ *LIVER DISEASES, chemically induced

462. **Brodde OE, Motomura S, Schümann HJ:** Studies on the mechanism of the positive inotropic action evoked by epinine on the rabbit isolated papillary muscle at different rates of beating. Clin Exp Pharmacol Physiol 6(1):41–51, Jan–Feb 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ COCAINE, pharmacodynamics/ *DEOXYEPINEPHRINE, pharmacodynamics/ *DOPAMINE, analogs & derivatives/ DRUG INTERACTIONS/ FEMALE/ HEART RATE/ IN VITRO/ MALE/ *MYOCARDIAL CONTRACTION, drug effects/ MYOCARDIUM, metabolism/ PAPILLARY MUSCLES, drug effects/ PHENTOLAMINE, pharmacodynamics/ PINDOLOL, pharmacodynamics/ RABBITS/ STIMULATION, CHEMICAL/ TIME FACTORS

463. **Bronson RA, Bryant G, Balk MW, et al:** Intrafollicular pressure within preovulatory follicles of the pig. Fertil Steril 31(2):205–13, Feb 79
ANIMAL/ BIOMECHANICS/ FEMALE/ *GRAAFIAN FOLLICLE, physiology/ METHODS/ *OVULATION/ PRESSURE/ SWINE

464. **Brookes DB, Moffitt RM, Sheil LP, et al:** Comparison of Tretinoin and a composite formulation in the treatment of acne. Br J Clin Pract 32(12):349–52, Dec 78
*ACNE, drug therapy/ ADOLESCENCE/ ADULT/ ALLANTOIN, therapeutic use/ CHLORAMPHENICOL, administration & dosage/ *CHLORAMPHENICOL, therapeutic use/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ *DERMATOLOGIC AGENTS, therapeutic use/ DRUG COMBINATIONS/ FEMALE/ HUMAN/ *HYDROCORTISONE, TOPICAL, therapeutic use/ MALE/ RANDOM ALLOCATION/ *TRETINOIN, therapeutic use/ *VITAMIN A, analogs & derivatives

465. **Brooks SC, Linn JJ, Disney N:** Serotonin, folic acid, and uric acid metabolism in the diagnosis of neuropsychiatric disorders. Biol Psychiatry 13(6):671–84, Dec 78
ADOLESCENCE/ ADULT/ BRAIN, metabolism/ CARBOLINES, biosynthesis/ FEMALE/ *FOLIC ACID, blood/ HALLUCINATIONS, blood/ HUMAN/ MALE/ *MENTAL DISORDERS, blood/ MENTAL DISORDERS, familial & genetic/ MIDDLE AGE/ NEUROSES, blood/ PERSONALITY DISORDERS, blood/ PSYCHOSES, MANIC-DEPRESSIVE, blood/ SCHIZOPHRENIA, blood/ SCHIZOPHRENIA, CATATONIC, blood/ SCHIZOPHRENIA, CHILDHOOD, blood/ *SEROTONIN, blood/ SUICIDE, psychology/ *URIC ACID, blood/ URIC ACID, urine

466. **Brostrom MA, Brostrom CO, Wolff DJ:** Calcium-dependent adenylate cyclase from rat cerebral cortex: activation by guanine nucleotides. Arch Biochem Biophys 191(1):341–50, Nov 78
*ADENYL CYCLASE, metabolism/ ANIMAL/ *CALCIUM, pharmacodynamics/ *CEREBRAL CORTEX, enzymology/ ENZYME ACTIVATION/ *GUANINE NUCLEOTIDES, pharmacodynamics/ GUANOSINE TRIPHOSPHATE, pharmacodynamics/ GUANYLYL IMIDODIPHOSPHATE, pharmacodynamics/ KINETICS/ MALE/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

467. **Brouet JC:** Macroglobulinémie de Waldenström. Rev Prat 29(3):317–20, 323–4, 329, 11 Jan 79 (Eng. Abstr.) **(Fre)**
ADRENAL CORTEX HORMONES, therapeutic use/ B-LYMPHOCYTES, immunology/ CHLORAMBUCIL, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ IGM/ *MACROGLOBULINEMIA, diagnosis/ MACROGLOBULINEMIA, immunology/ MACROGLOBULINEMIA, therapy/ PLASMAPHERESIS

468. **Brown DF, Honeyman TW, Dobson JG Jr:** Properties of epinephrine-induced activation of cardiac adenosine 3',5'-monophosphate-dependent protein kinase. Biochim Biophys Acta 544(3):462–73, 18 Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ CYTOSOL, enzymology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME ACTIVATION, drug effects/ *EPINEPHRINE, pharmacodynamics/ FEMALE/ KINETICS/ MALE/ MEMBRANES, enzymology/ *MYOCARDIUM, enzymology/ *PROTEIN KINASE, metabolism/ RATS/ SOLUBILITY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

469. **Brown PW, Terz JJ:** Breast carcinoma associated with Klinefelter syndrome: a case report. J Surg Oncol 10(5):413–5, 1978
ADRENAL GLANDS, drug effects/ ADULT/ AMINOGLUTETHIMIDE, administration & dosage/ *BREAST NEOPLASMS, complications/ BREAST NEOPLASMS, drug therapy/ *CARCINOMA, DUCTAL, complications/ CASE REPORT/ DEXAMETHASONE, administration & dosage/ DRUG THERAPY, COMBINATION/ HUMAN/ *KLINEFELTER'S SYNDROME, complications/ MALE/ NEOPLASM METASTASIS/ *PAGET'S DISEASE OF BREAST, complications/ PAGET'S DISEASE OF BREAST, drug therapy

470. **Brown RD, Cowan RL, Kavanaugh JF:** Effect of pinealectomy on seasonal androgen titers, antler growth and feed intake in white-tailed deer. J Anim Sci 47(2):435–40, Aug 78
ALKALINE PHOSPHATASE, blood/ *ANDROGENS, blood/ ANIMAL FEED/ ANIMAL/ *ANTLERS, growth & development/ CALCIUM, blood/ COMPARATIVE STUDY/ DEER, metabolism/ *DEER, physiology/ *EATING/ ENERGY METABOLISM/ HAIR, growth & development/ *HORNS, growth & development/ MALE/ PHOSPHORUS, blood/ *PINEAL BODY, physiology/ SEASONS

471. **Brown TJ, Ginz B, Oakey RE:** Effects of polypeptide hormone preparations on steroid production by the human foetal adrenal gland during superfusion [proceedings] J Endocrinol 79(2):60P–61P, Nov 78
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, embryology/ ADRENAL GLANDS, metabolism/ *CORTICOTROPIN, pharmacodynamics/ *DEHYDROEPIANDROSTERONE, biosynthesis/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ *HYDROCORTISONE, biosynthesis/ IN VITRO/ *SOMATOTROPIN, pharmacodynamics

472. **Brown WB, Jones R, Forbes JM:** Growth, gut fill and hormone levels in pair-fed lambs under two daylengths [proceedings] Proc Nutr Soc 37(3):99A, Dec 78
ADIPOSE TISSUE, physiology/ ANIMAL/ BODY WEIGHT/ CASTRATION/ *CIRCADIAN RHYTHM/ *INTESTINES, physiology/ MALE/ MUSCLES, physiology/ PROLACTIN, blood/ *SHEEP, growth & development

473. **Browne JC:** Hormone administration during pregnancy and its effect on the offspring. Contrib Gynecol Obstet 5 1979 (31 ref.)

*ABNORMALITIES, DRUG-INDUCED/ ABORTION, chemically induced/ *ANDROGENS, adverse effects/ *ESTROGENS, adverse effects/ FEMALE/ *FETUS, drug effects/ HUMAN/ INFANT, NEWBORN/ PREGNANCY TESTS, adverse effects/ PREGNANCY/ *PROGESTATIONAL HORMONES, adverse effects/ REVIEW

474. **Brownlie BE, Hedley JM:** Unilateral breast-feeding: a new clue to the diagnosis of thyrotoxicosis. NZ Med J 88(624):404-5, 22 Nov 78
ADULT/ *BREAST FEEDING/ CASE REPORT/ FEMALE/ GOITER, EXOPHTHALMIC, diagnosis/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ INFANT

475. **Bruckental I, Oldham JD, Sutton JD:** Glucose and urea kinetics in cows in early lactation [proceedings] Proc Nutr Soc 37(3):107A, Dec 78
ANIMAL/ *BLOOD SUGAR, metabolism/ CARBON RADIOISOTOPES/ FEMALE/ KINETICS/ *LACTATION/ PREGNANCY/ TRITIUM/ *UREA, blood

476. **Brufman G, Krasnokuki D, Biran S:** Metastatic bone involvement in gynecological malignancies. Radiol Clin (Basel) 47(6):456-63, 1978
ADULT/ AGED/ *BONE NEOPLASMS, pathology/ CASE REPORT/ CERVIX NEOPLASMS, pathology/ FEMALE/ *GENITAL NEOPLASMS, FEMALE, pathology/ HUMAN/ MIDDLE AGE/ NEOPLASM METASTASIS/ OVARIAN NEOPLASMS, pathology/ UTERINE NEOPLASMS, pathology/ VULVAR NEOPLASMS, pathology

477. **Bruguerolle B, Valli M, Jadot G, et al:** Chronopharmacologie du pancuronium chez le rat anesthésie à l'aide de CT 1341 (Alfatésine). C R Soc Biol (Paris) 172(3):498-504, 1978 (Eng. Abstr.) **(Fre)**
*ALTHESIN, pharmacodynamics/ ANIMAL/ BLOOD PRESSURE, drug effects/ *CIRCADIAN RHYTHM, drug effects/ ENGLISH ABSTRACT/ HEART RATE, drug effects/ MALE/ *PANCURONIUM, pharmacodynamics/ *PREGNANEDIONES, pharmacodynamics/ RATS

478. **Brundin J:** Laktationsfysiologi och amningsnedläggning. II. Katilolehti 83(11):418-21, Nov 78 **(Swe)**
BLOOD-BRAIN BARRIER/ *BREAST FEEDING/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *LACTATION/ PREGNANCY/ PROLACTIN RELEASE INHIBITING HORMONE, metabolism/ PROLACTIN RELEASING HORMONE, physiology/ PROLACTIN, antagonists & inhibitors/ *WEANING/ 2-BROMOERGOCRYPTINE, pharmacodynamics

479. **Brunia CH, van Boxtel A:** MSH/ACTH4-10 and task-induced increase in tendon reflexes and heart rate. Pharmacol Biochem Behav 9(5):615-8, Nov 78
ADOLESCENCE/ ADULT/ *CORTICOTROPIN, analogs & derivatives/ CORTICOTROPIN, pharmacodynamics/ ELECTROENCEPHALOGRAPHY/ FEMALE/ *HEART RATE, drug effects/ HUMAN/ MALE/ *MSH, pharmacodynamics/ PLACEBOS/ *REFLEX, TENDON, drug effects/ TASK PERFORMANCE AND ANALYSIS

480. **Brunnberg FJ:** Application of prostaglandins in obstetrics and gynecology. Acta Biol Med Ger 37(5-6):917-21, 1976
*ABORTION, INDUCED/ DELIVERY/ FEMALE/ HUMAN/ LABOR/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY/ *PROSTAGLANDINS E, therapeutic use/ *PROSTAGLANDINS F, therapeutic use/ *PROSTAGLANDINS, therapeutic use

481. **Brunner HR, Gavras H, Waeber B, et al:** Oral angiotensin-converting enzyme inhibitor in long-term treatment of hypertensive patients. Ann Intern Med 90(1):19-23, Jan 79
ADULT/ AGED/ BLOOD PRESSURE, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ *HYPERTENSION, drug therapy/ HYPERTENSION, enzymology/ HYPERTENSION, RENOVASCULAR, drug therapy/ *KININASE II, antagonists & inhibitors/ MALE/ MIDDLE AGE/ *PROLINE, analogs & derivatives/ PROLINE, administration & dosage/ PROLINE, pharmacodynamics/ RENIN, blood/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

482. **Brus R, Herman ZS, Szkilnik R, et al:** Influence of polyphloretin phosphate on the central effects of prostaglandin E2 and F2alpha in rats. Psychopharmacology (Berlin) 59(3):273-7, 8 Dec 78
ANIMAL/ BEHAVIOR, ANIMAL, drug effects/ BIOGENIC AMINES, metabolism/ BODY TEMPERATURE, drug effects/ *BRAIN, drug effects/ BRAIN, metabolism/ DOPAMINE, analysis/ HYDROXYINDOLEACETIC ACID, analysis/ MALE/ NOREPINEPHRINE, analysis/ *PHLORETIN, analogs & derivatives/ *POLYPHLORETIN PHOSPHATE, pharmacodynamics/ *PROSTAGLANDINS E, pharmacodynamics/ *PROSTAGLANDINS F, pharmacodynamics/ RATS/ SEROTONIN, analysis

483. **Brusilovskiĭ AI, Krivosheina GN, Miroshnikova AF, et al:** Nekotorye dannye k soderzhaniiu X-polovogo khromatina i tsitokariometricheskoĭ kharakteristike kletok amnioticheskoĭ zhidkosti, provizornykh i definitivnykh organov cheloveka. Tsitol Genet 12(6):524-9, Nov-Dec 78 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ AMNION, ultrastructure/ *AMNIOTIC FLUID, cytology/ CELL NUCLEUS, ultrastructure/ CHORIONIC VILLI, ultrastructure/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT, NEWBORN/ KARYOMETRY/ MALE/ MOUTH MUCOSA, ultrastructure/ PLACENTA, ultrastructure/ PREGNANCY/ *SEX CHROMATIN, ultrastructure/ UMBILICAL CORD, ultrastructure/ URINE, cytology/ X CHROMOSOME, ultrastructure

484. **Brzezińska Z, Kaciuba-Uściłko H:** Metabolic responses to adrenaline and muscle glycogen content in dogs treated with thyroxine. Acta Physiol Pol 29(4):317-24, 1978
ANIMAL/ BLOOD SUGAR, analysis/ DOGS/ DRUG SYNERGISM/ *EPINEPHRINE, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, blood/ *GLYCOGEN, analysis/ LACTATES, blood/ MALE/ *MUSCLES, analysis/ *THYROXINE, pharmacodynamics

485. **Buchanan-Davidson DJ:** Breast cancer prognosis and estrogen receptors. Wis Med J 78(1):16-7, Jan 79
*BREAST NEOPLASMS, drug therapy/ FEMALE/ HUMAN/ PROGNOSIS/ *RECEPTORS, ESTROGEN/ RECEPTORS, PROGESTERONE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

486. **Buckingham RE, Hamilton TC:** beta-Adrenoceptor blocking drugs and hypertension. Gen Pharmacol 10(1):1-13, 1979 (140 ref.)
ADRENAL MEDULLA, drug effects/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANESTHESIA/ ANIMAL/ *ANTIHYPERTENSIVE AGENTS, pharmacodynamics/ *BLOOD PRESSURE, drug effects/ CARDIAC OUTPUT, drug effects/ CENTRAL NERVOUS SYSTEM, drug effects/ DISEASE MODELS, ANIMAL/ DRUG INTERACTIONS/ HUMAN/ HYPERTENSION, drug therapy/ NEURAL TRANSMISSION, drug effects/ PROPRANOLOL, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ RENIN, secretion/ REVIEW

487. **Bühler FR, Bertel O, Kiowski DW:** Plasma noradrenaline and adrenaline and beta-adrenoreceptor responsiveness in renin subgroups of essential hypertension. Clin Sci Mol Med 55 Suppl 4:57s-60s, Dec 78
ADULT/ BLOOD PRESSURE/ *EPINEPHRINE, blood/ EXERTION/ FEMALE/ HEART RATE, drug effects/ HUMAN/ HYPERTENSION, blood/ *HYPERTENSION, physiopathology/ ISOPROTERENOL, pharmacodynamics/ MALE/ MIDDLE AGE/ *NOREPINEPHRINE, blood/ *RECEPTORS, ADRENERGIC, physiology/ *RECEPTORS, ADRENERGIC, BETA, physiology/ *RENIN, blood

488. **Buhrich N, Theile H, Yaw A, et al:** Plasma testosterone, serum FSH, and serum LH levels in transvestism. Arch Sex Behav 8(1):49-53, Jan 79
ADULT/ AGED/ *FSH, blood/ HUMAN/ *LH, blood/ MALE/ MIDDLE AGE/ *TESTOSTERONE, blood/ *TRANSVESTISM, blood

489. **Bukovský A, Presl J, Holub M:** Ovarian morphology in congenitally athymic mice [proceedings]

Folia Biol (Praha) 24(6):442–3, 1978
ANIMAL/ FEMALE/ MICE/ *MICE, NUDE, anatomy & histology/ *OVARY, cytology

490. **Bulbrook RD, Moore JW, Clark GM, et al:** Plasma oestradiol and progesterone levels in women with varying degrees of risk of breast cancer. Eur J Cancer 14(12):1369–75, Dec 78
ADULT/ ANOVULATION/ *BREAST NEOPLASMS, blood/ *ESTRADIOL, blood/ FEMALE/ HUMAN/ MENOPAUSE/ MENSTRUATION/ MIDDLE AGE/ *PROGESTERONE, blood/ RISK

491. **Bulger WH, Muccitelli RM, Kupfer D:** Interactions of methoxychlor, methoxychlor base-soluble contaminant, and 2,2-bis(p-hydroxyphenyl)-1,1,1-trichloroethane with rat uterine estrogen receptor. J Toxicol Environ Health 4(5–6):881–93, Sep–Nov 78
ANIMAL/ CYTOSOL, metabolism/ DRUG CONTAMINATION/ DDT, analogs & derivatives/ DDT, pharmacodynamics/ FEMALE/ *HYDROCARBONS, CHLORINATED, pharmacodynamics/ KINETICS/ *METHOXYCHLOR, pharmacodynamics/ RATS/ *RECEPTORS, ESTROGEN, drug effects/ *TRICHLOROETHANES, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UTERUS, drug effects/ UTERUS, ultrastructure

492. **Bunko H, Ichiyanagi K, Hisada K:** [Measurement of reverse triiodothyronine (rT3) by direct radioimmunoassay: Serum rT3 distribution and correlation with triiodothyronine (T3), thyroxine (T4) and free thyroxine index (FTI) in various thyroid economy (author's transl)] Kaku Igaku 15(7):1033–41, Oct 78 **(Jpn)**
HUMAN/ *RADIOIMMUNOASSAY, methods/ REAGENT KITS, DIAGNOSTIC/ *THYROID DISEASES, blood/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood/ *TRIIODOTHYRONINE, REVERSE, blood

493. **Burchfield SR, Woods SC, Elich MS:** Effects of cold stress on tumor growth. Physiol Behav 21(4):537–40, Oct 78
ANIMAL/ *COLD, adverse effects/ CORTICOSTERONE, blood/ FEMALE/ MALE/ NEOPLASMS, EXPERIMENTAL, pathology/ *NEOPLASMS, EXPERIMENTAL, physiopathology/ RATS/ *STRESS, physiopathology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

494. **Burdeĭnyĭ AP:** Medikamentoznoe lechenie ankiloziruiushchego spondiloartrita (bole zni Bekhtereva). Ter Arkh 50(12):116–25, 1978 (100 ref.) **(Rus)**
ADRENAL CORTEX HORMONES, therapeutic use/ *ANTI-INFLAMMATORY AGENTS, therapeutic use/ APAZONE, therapeutic use/ BUTADIENES, therapeutic use/ COMPARATIVE STUDY/ CYCLOPHOSPHAMIDE, therapeutic use/ DICLOFENAC, therapeutic use/ DRUG COMBINATIONS/ DRUG EVALUATION/ GLYCOLATES, therapeutic use/ GOLD, therapeutic use/ HUMAN/ IBUPROFEN, therapeutic use/ INDOMETHACIN, therapeutic use/ KETOPROFEN, therapeutic use/ LEVAMISOLE, therapeutic use/ NAPROXEN, therapeutic use/ OXYPHENBUTAZONE, therapeutic use/ PYRAZINOBUTAZONE, therapeutic use/ REVIEW/ SALICYLATES, therapeutic use/ *SPONDYLITIS, ANKYLOSING, drug therapy/ SULINDAC, therapeutic use

495. **Burger EH, Matthews JL:** Cellular calcium distribution in fetal bones studied with K-pyroantimonate. Calcif Tissue Res 26(2):181–90, 8 Dec 78
ANIMAL/ ANTIMONY, diagnostic use/ *BONE AND BONES, analysis/ *BONE DEVELOPMENT/ *CALCIUM, analysis/ *CARTILAGE, analysis/ CARTILAGE, ultrastructure/ CELL MEMBRANE, analysis/ CELL NUCLEUS, analysis/ DECALCIFICATION TECHNIC/ MICE/ MITOCHONDRIA, analysis/ OSTEOBLASTS, analysis/ PERIOSTEUM, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

496. **Burger HG:** Supply of human pituitary growth hormone [letter] Med J Aust 2(8):389, 7 Oct 78
*GROWTH DISORDERS, drug therapy/ HUMAN/ *SOMATOTROPIN, therapeutic use

497. **Burgess GE 3d:** Alpha blockade and surgical intervention of pheochromocytoma in pregnancy. Obstet Gynecol 53(2):266–70, Feb 79
ADRENAL GLAND NEOPLASMS, diagnosis/ *ADRENAL GLAND NEOPLASMS, surgery/ *ADRENERGIC ALPHA RECEPTOR BLOCKADERS, therapeutic use/ ADULT/ CASE REPORT/ FEMALE/ *FETAL DEATH, prevention & control/ HUMAN/ INFANT, NEWBORN/ *MATERNAL MORTALITY/ METHODS/ PHENOXYBENZAMINE, therapeutic use/ PHENTOLAMINE, therapeutic use/ PHEOCHROMOCYTOMA, diagnosis/ *PHEOCHROMOCYTOMA, surgery/ PREGNANCY COMPLICATIONS, diagnosis/ *PREGNANCY COMPLICATIONS, surgery/ PREGNANCY/ PRENATAL DIAGNOSIS

498. **Burgoyne PS:** Evidence for an association between univalent Y chromosomes and spermatoycte loss in XYY mice and men. Cytogenet Cell Genet 23(1–2):84–9, 1979
ANIMAL/ COMPARATIVE STUDY/ HUMAN/ MALE/ MEIOSIS/ METAPHASE/ MICE/ MODELS, BIOLOGICAL/ *SEX CHROMOSOME ABNORMALITIES, pathology/ *SEX CHROMOSOMES/ *SPERMATOCYTES/ SPERMATOGENESIS/ *SPERMATOZOA/ XYY KARYOTYPE, familial & genetic/ *XYY KARYOTYPE, pathology/ *Y CHROMOSOME

499. **Burkhardt AE, Berman M, Haeberli A, et al:** Synthesis of polypeptide chains of thyroglobulin. J Biol Chem 254(5):1476–83, 10 Mar 79
ANIMAL/ GUINEA PIGS/ KINETICS/ LEUCINE, metabolism/ MACROMOLECULAR SYSTEMS/ MALE/ MOLECULAR WEIGHT/ *THYROGLOBULIN, biosynthesis/ THYROGLOBULIN, isolation & purification/ THYROGLOBULIN, metabolism/ *THYROID GLAND, metabolism

500. **Bürki F, Wege H, Reich-Rohrwig C, et al:** Bovine adenoviruses. I. Characterization and serological classification as types 4 of two isolates from latently infected calf testicles. Zentralbl Veterinaermed [B] 25(7):555–65, Sep 78
ADENOVIRUS INFECTIONS, microbiology/ ADENOVIRUS INFECTIONS, veterinary/ *ADENOVIRUSES, classification/ ADENOVIRUSES, isolation & purification/ ANIMAL/ CATTLE DISEASES, microbiology/ CATTLE/ MALE/ TESTIS, microbiology

501. **Burkman RT, Atienza MF, King TM, et al:** Augmentation of hyperosmolar urea for midtrimester induced abortion: comparison of two methods. Adv Plann Parent 13(3–4):51–5, 1978
*ABORTION, INDUCED, methods/ COMPARATIVE STUDY/ DRUG EVALUATION/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ MIDDLE AGE/ OSMOLAR CONCENTRATION/ OXYTOCIN, administration & dosage/ *PREGNANCY TRIMESTER, SECOND/ PREGNANCY/ PROSTAGLANDINS E, administration & dosage/ *UREA, administration & dosage

502. **Burlakov AB:** Izmenenie soderzhaniia i aktivnosti gonadotropinov v gipofize russkogo osetra na raznykh stadiiakh zrelosti gonad. Biol Nauki (12):36–40, 1978 **(Rus)**
ANIMAL/ FEMALE/ *FISHES, metabolism/ GONADOTROPINS, PITUITARY, isolation & purification/ *GONADOTROPINS, PITUITARY, metabolism/ *GONADS, growth & development/ MALE/ *PITUITARY GLAND, metabolism/ SEX FACTORS

503. **Burland WL, Gleadle RI, Lee RM, et al:** Prolactin responses to cimetidine. Br J Clin Pharmacol 7(1):19–21, Jan 79
ADMINISTRATION, ORAL/ CIMETIDINE, administration & dosage/ *CIMETIDINE, pharmacodynamics/ DRUG INTERACTIONS/ *GUANIDINES, pharmacodynamics/ HUMAN/ INJECTIONS, INTRAVENOUS/ MALE/ *PROLACTIN, blood/ TIME FACTORS/ 2-BROMOERGOCRYPTINE, pharmacodynamics

504. **Burman LG, Friberg S, Fällman I:** Kontinuerlig registrering av ortopedkirurgiska infektioner. Lakartidningen 76(9):713–6, 28 Feb 79 (Eng. Abstr.) **(Swe)**
*BONE AND BONES, surgery/ ENGLISH ABSTRACT/ HUMAN/ *SURGICAL WOUND INFECTION, occurrence/ SWEDEN/ TIME FACTORS

505. **Burns JL, Hall JG, Powers E, et al:** No evidence for chromosomal mosaicism in multiple tissues of 10 patients with 45, XO Turner syndrome. Clin Genet 15(1):22–8, Jan 79
ABORTION, familial & genetic/ ADOLESCENCE/ ADULT/ CELLS, CULTURED/ CHILD/ FEMALE/ FIBROBLASTS, ultrastructure/ HUMAN/ KARYOTYPING/ LYMPHOCYTES, ultrastructure/ *MOSAICISM/ PREGNANCY/ SEX CHROMATIN, ultrastructure/ *TURNER'S SYNDROME, familial & genetic/ UNITED STATES GOV'T SUPPORTED/ X CHROMOSOME

506. **Burr WA, Fitzgerald MG, Hoffenberg R:** Relapse after short-term antithyroid therapy of Graves' disease [letter] N Engl J Med 300(4):200, 25 Jan 79
*CARBIMAZOLE, administration & dosage/ CARBIMAZOLE, therapeutic use/ *GOITER, EXOPHTHALMIC, drug therapy/ HUMAN/ HYPERTHYROIDISM, drug therapy/ RECURRENCE/ REMISSION/ TIME FACTORS

507. **Burstein DE, Greene LA:** Evidence for RNA synthesis-dependent and -independent pathways in stimulation of neurite outgrowth by nerve growth factor. Proc Natl Acad Sci USA 75(12):6059–63, Dec 78
CAMPTOTHECIN, pharmacodynamics/ CELL DIFFERENTIATION, drug effects/ CELL LINE/ DACTINOMYCIN, pharmacodynamics/ DEOXYADENOSINE, pharmacodynamics/ KINETICS/ *NERVE GROWTH FACTOR, pharmacodynamics/ NERVE REGENERATION, drug effects/ *NEURONS, cytology/ PHEOCHROMOCYTOMA, pathology/ *RNA, biosynthesis/ RNA, NEOPLASM, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

508. **Bush M, Wildt DE, Kennedy S, et al:** Laparoscopy in zoological medicine. J Am Vet Med Assoc 173(9):1081–7, 1 Nov 78
ANIMAL/ *ANIMALS, ZOO/ BEARS, physiology/ BIRDS, physiology/ CARNIVORA, physiology/ ESTRUS/ FEMALE/ FOXES/ GORILLAS/ INSEMINATION, ARTIFICIAL, veterinary/ LIONS, physiology/ LIVER DISEASES, veterinary/ MALE/ OVARIAN CYSTS, veterinary/ OVARY, physiology/ PERITONEOSCOPY, instrumentation/ *PERITONEOSCOPY, veterinary/ PREGNANCY/ SEX DETERMINATION/ VASECTOMY, veterinary

509. **Buss WC:** Induction of hepatic drug metabolizing enzymes and pregnancy while taking oral contraceptives. J Antimicrob Chemother 5(1):4–5, Jan 79
*CONTRACEPTIVES, ORAL, metabolism/ *ENZYME INDUCTION, drug effects/ FEMALE/ HUMAN/ HYDROXYLATION/ *LIVER, enzymology/ *PREGNANCY/ *RIFAMPIN, pharmacodynamics

510. **Busse E, Rose H:** Verhältnis von cyclo-3':5'-adenosinmonophosphat zu cyclo-3':5'-guanosinmonophosphat in menschlichen Tumorgeweben. Onkologie 1(6):221–4, Dec 78 (Eng. Abstr.) **(Ger)**
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ CARCINOMA, BASAL CELL, analysis/ ENGLISH ABSTRACT/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ HUMAN/ MELANOMA, analysis/ *NEOPLASMS, analysis/ NEVUS, analysis/ NORMAL VALUES

511. **Bustos R, Ballejo G, Giussi G, et al:** Inhibition of fetal lung maturation by indomethacin in pregnant rabbits. J Perinat Med 6(5):240–5, 1978
ANIMAL/ FEMALE/ FETAL BLOOD/ FETUS, drug effects/ *FETUS, physiology/ GESTATIONAL AGE/ HYDROCORTISONE, blood/ *INDOMETHACIN, pharmacodynamics/ LUNG, analysis/ LUNG, drug effects/ *LUNG, embryology/ MATERNAL-FETAL EXCHANGE/ PHOSPHATIDYLCHOLINES, analysis/ PREGNANCY/ RABBITS

512. **Butenandt O:** Rheumatoid arthritis and growth retardation in children: treatment with human growth hormone. Eur J Pediatr 130(1):15–28, 18 Jan 79
ADOLESCENCE/ ARTHRITIS, JUVENILE RHEUMATOID, complications/ *ARTHRITIS, JUVENILE RHEUMATOID, drug therapy/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ *GROWTH DISORDERS, drug therapy/ GROWTH DISORDERS, etiology/ HUMAN/ MALE/ PUBERTY/ SOMATOTROPIN, administration & dosage/ *SOMATOTROPIN, therapeutic use/ TIME FACTORS

513. **Butenko ZA, Zak KP, Velichko VI, et al:** Izbiratel'noe vozdeĭstvie na limfotsity kostnogo mozga massivnymi dozami gidrokortizona s tsel'iu oblegcheniia ul'trastrukturnoĭ identifikatsii stvolovykh krovetvornykh kletok. Dokl Akad Nauk SSSR 244(4):1030–2, 1979 **(Rus)**
ANIMAL/ *BONE MARROW, drug effects/ CELL SEPARATION, methods/ COLONY-FORMING UNITS ASSAY/ *HEMATOPOIETIC STEM CELLS, ultrastructure/ *HYDROCORTISONE, administration & dosage/ *LYMPHOCYTES, drug effects/ LYMPHOCYTES, ultrastructure/ MICE/ MICE, INBRED BALB C/ TIME FACTORS

514. **Butlen D, Guillon G, Rajerison RM, et al:** Structural requirements for activation of vasopressin-sensitive adenylate cyclase, hormone binding, and antidiuretic actions: effects of highly potent analogues and competitive inhibitors. Mol Pharmacol 14(6):1006–17, Nov 78
*ADENYL CYCLASE, metabolism/ ANIMAL/ *ARGIPRESSIN, analogs & derivatives/ ARGIPRESSIN, metabolism/ ARGIPRESSIN, pharmacodynamics/ *DIURESIS, drug effects/ ENZYME ACTIVATION, drug effects/ IN VITRO/ KIDNEY, enzymology/ KIDNEY, metabolism/ KINETICS/ MEMBRANES, metabolism/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ SWINE/ VASOPRESSINS, antagonists & inhibitors/ *VASOPRESSINS, pharmacodynamics

515. **Butt WR:** Research in reproductive hormones. Ann Clin Biochem 16(1):1–5, Jan 79
ANOVULATION, diagnosis/ ANOVULATION, metabolism/ ESTROGENS, diagnostic use/ FEMALE/ GONADOTROPINS, isolation & purification/ GONADOTROPINS, metabolism/ *HORMONES/ HUMAN/ LH-FSH RELEASING HORMONE, diagnostic use/ PROLACTIN, isolation & purification/ PROLACTIN, metabolism/ RADIOIMMUNOASSAY/ RESEARCH/ SEX HORMONES, metabolism

516. **Butte JC, Kakihana R, Noble EP:** The fluorometric assay of rat plasma corticosterone: evaluation of nonspecific fluorescence. Steroids 32(5):607–14, Dec 78
AGING/ ANIMAL/ *CORTICOSTERONE, blood/ EVALUATION STUDIES/ FLUOROMETRY/ HISTAMINE, diagnostic use/ MALE/ METHODS/ RATS/ STRESS, blood/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

517. **Buttery PJ, Vernon BG, Pearson JT:** Anabolic agents--some thoughts on their mode of action. Proc Nutr Soc 37(3):311–5, Dec 78 (36 ref.)
AMINO ACIDS, metabolism/ ANIMAL/ FEMALE/ *GROWTH/ GROWTH, drug effects/ LIVER, metabolism/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ PROTEINS, metabolism/ RATS/ REVIEW/ TRENBOLONE, pharmacodynamics/ UTERUS, metabolism

518. **Büttner HH, Kyank H:** Die gestationsbedingten Trophoblasterkrankungen. Z Aerztl Fortbild (Jena) 72(20):980–5, 15 Oct 78 **(Ger)**
CHORIOCARCINOMA, therapy/ DACTINOMYCIN, therapeutic use/ DILATATION AND CURETTAGE/ FEMALE/ GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ HYDATIDIFORM MOLE, pathology/ HYSTERECTOMY/ METHOTREXATE, therapeutic use/ NEOPLASM INVASIVENESS/ NEOPLASM METASTASIS/ NEOPLASM STAGING/ PREGNANCY/ *TROPHOBLASTIC TUMOR/ ULTRASONICS, diagnostic use

519. **Buyse M, Bull MJ:** A syndrome of osteogenesis imperfecta, microcephaly, and cataracts. Birth Defects 14(6B):95–8, 1978
CASE REPORT/ *CATARACT, familial & genetic/ FEMALE/ HUMAN/ INFANT, NEWBORN/ MALE/ *MICROCEPHALY, familial & genetic/ *OSTEOGENESIS IMPERFECTA, familial & genetic/ SYNDROME

520. **Bye PG:** Review of the status of oestrogen replacement therapy. Postgrad Med J 54(2):7–10, 1978 (19 ref.)
ADULT/ AGED/ *CLIMACTERIC, drug effects/ DRUG ADMINISTRATION SCHEDULE/ DRUG THERAPY, COMBINATION/ ESTROGENS, administration & dosage/ ESTROGENS, adverse

effects/ *ESTROGENS, therapeutic use/ ESTROGENS, SYNTHETIC, therapeutic use/ FEMALE/ HUMAN/ MIDDLE AGE/ PROGESTATIONAL HORMONES, therapeutic use/ REVIEW/ UTERINE NEOPLASMS, chemically induced

521. **Byfield PG, Durrant ML, Bird D, et al:** The effect of protein and carbohydrate in very low energy diets on thyroid hormone levels in overweight adults [proceedings] Proc Nutr Soc 37(3):102A, Dec 78
ADULT/ *DIETARY CARBOHYDRATES/ *DIETARY PROTEINS/ ENERGY METABOLISM/ HUMAN/ OBESITY, diet therapy/ *THYROID HORMONES, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, REVERSE, blood

522. **Bykov VL, Prianishnikov VA:** Quantitative histochemical and stereological study of alkaline phosphatase in the rat thyroid gland. Histochemistry 58(1-2):129-34, 24 Nov 78
*ALKALINE PHOSPHATASE, metabolism/ ANIMAL/ CAPILLARIES, enzymology/ HISTOCYTOCHEMISTRY/ MALE/ METHYLTHIOURACIL, pharmacodynamics/ MOLECULAR CONFORMATION/ ORGAN WEIGHT, drug effects/ RATS/ SPECTROPHOTOMETRY/ *THYROID GLAND, enzymology/ THYROXINE, pharmacodynamics

C

523. **Caccia MR, Cerri C, Gravame V, et al:** Myopathy with paroxysmal myoglobinuria and focal muscle necrosis following enfluorane anaesthesia. J Neurol Sci 39(1):61-9, Nov 78
ADENYL CYCLASE, metabolism/ ADOLESCENCE/ CARNITINE PALMITOYLTRANSFERASE, metabolism/ CARNITINE, metabolism/ CASE REPORT/ *ENFLURANE, adverse effects/ GLYCOGEN, analysis/ HUMAN/ *METHYL ETHERS, adverse effects/ MUSCLES, metabolism/ MUSCLES, pathology/ *MUSCULAR DISEASES, chemically induced/ MUSCULAR DISEASES, metabolism/ MUSCULAR DISEASES, pathology/ MYOGLOBINURIA, chemically induced/ NECROSIS/ SYNDROME

524. **Caffrey MH, Nett TM, Kozlowski GP:** In vitro analysis of the participation of oxytocin and vasopressin in the gonadotropin releasing hormone-induced release of LH. Proc Soc Exp Biol Med 159(3):444-8, Dec 78
ANIMAL/ *ARGIPRESSIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ IN VITRO/ *LH, secretion/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ *OXYTOCIN, pharmacodynamics/ *PITUITARY GLAND, ANTERIOR, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

525. **Calamera JC, Morgenfeld MC, Mancini RE, et al:** Biochemical changes of the human semen produced by chlorambucil, testosterone propionate and human chorionic gonadotropin administration. Andrologia 11(1):43-50, Jan 79
ADOLESCENCE/ ADULT/ CELL COUNT/ *CHLORAMBUCIL, adverse effects/ CITRATES, metabolism/ FRUCTOSE, metabolism/ *GONADOTROPINS, CHORIONIC, adverse effects/ HUMAN/ *LYMPHOMA, drug therapy/ MALE/ OLIGOSPERMIA, chemically induced/ *SEMEN, metabolism/ *SPERMATOGENESIS, drug effects/ *TESTOSTERONE, adverse effects

526. **Callahan JW, Shankaran P, Khalil M, et al:** Sphingomyelinases in human tissues. IV. Purification of sphingomyelinase from human placenta and effect of Triton X-100. Can J Biochem 56(9):885-91, Sep 78
CHROMATOGRAPHY, AFFINITY/ CONCANAVALIN A/ DRUG STABILITY/ FEMALE/ HUMAN/ *PHOSPHODIESTERASES, isolation & purification/ *PLACENTA, enzymology/ PREGNANCY/ *SPHINGOMYELIN PHOSPHODIESTERASE, isolation & purification/ SPHINGOMYELIN PHOSPHODIESTERASE, metabolism/ TRITONS, pharmacodynamics

527. **Calvo J, Boya J:** Development of the innervation in the chicken pineal gland (Gallus gallus). Acta Anat (Basel) 103(2):212-25, 1979
ANIMAL/ *CHICK EMBRYO, growth & development/ CHICKENS, anatomy & histology/ *CHICKENS, growth & development/ NERVE FIBERS, ultrastructure/ NEURONS, cytology/ NEURONS, ultrastructure/ PINEAL BODY, cytology/ PINEAL BODY, embryology/ *PINEAL BODY, growth & development/ TIME FACTORS

528. **Calzada LD, Chaussain JL, Job JC:** Le retard de croissance au cours de l'histiocytose X. Exploration antéhypophysaire. Sem Hop Paris 54(41-42):1251-6, 18-25 Nov 78 (Eng. Abstr.) (Fre)
CASE REPORT/ CHILD/ DIABETES INSIPIDUS, complications/ ENGLISH ABSTRACT/ FEMALE/ *GROWTH DISORDERS, complications/ GROWTH DISORDERS, drug therapy/ GROWTH DISORDERS, physiopathology/ *HISTIOCYTOSIS X, complications/ HISTIOCYTOSIS X, drug therapy/ HUMAN/ MALE/ *PITUITARY GLAND, ANTERIOR, physiopathology/ SOMATOTROPIN, deficiency/ SOMATOTROPIN, therapeutic use/ WATER-ELECTROLYTE IMBALANCE

529. **Camatini M, Faleri M, Franchi E:** Testicular biopsy of secretory azoospermia: electron and light microscopic analysis. Arch Androl 1(4):281-9, Sep 78
ADULT/ HUMAN/ LEYDIG CELLS, ultrastructure/ MALE/ *OLIGOSPERMIA, pathology/ SEMINIFEROUS TUBULES, ultrastructure/ SERTOLI CELLS, ultrastructure/ *TESTIS, ultrastructure

530. **Cameron JS, Turner DR, Ogg CS, et al:** The long-term prognosis of patients with focal segmental glomerulosclerosis. Clin Nephrol 10(6):213-8, Dec 78
ADOLESCENCE/ ADULT/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ FOLLOW-UP STUDIES/ *GLOMERULONEPHRITIS/ GLOMERULONEPHRITIS, therapy/ *GLOMERULOSCLEROSIS, FOCAL/ GLOMERULOSCLEROSIS, FOCAL, therapy/ HEMODIALYSIS/ HUMAN/ KIDNEY, transplantation/ MALE/ NEPHROTIC SYNDROME, drug therapy/ PREDNISONE, therapeutic use/ TRANSPLANTATION, ALLOGENEIC

531. **Camitta BM, Thomas ED, Nathan DG, et al:** A prospective study of androgens and bone marrow transplantation for treatment of severe aplastic anemia. Blood 53(3):504-14, Mar 79
AGING/ *ANDROGENS, therapeutic use/ ANEMIA, APLASTIC, drug therapy/ ANEMIA, APLASTIC, mortality/ *ANEMIA, APLASTIC, therapy/ *BONE MARROW, transplantation/ GRAFT VS HOST REACTION/ HUMAN/ PROGNOSIS/ PROSPECTIVE STUDIES/ TRANSPLANTATION, ALLOGENEIC/ UNITED STATES GOV'T SUPPORTED, P.H.S.

532. **Campbell CS, Finkelstein JS, Turek FW:** The interaction of photoperiod and testosterone on the development of copulatory behavior in castrated male hamsters. Physiol Behav 21(3):409-15, Sep 78
ANDROGENS, blood/ ANIMAL/ *CASTRATION/ *COPULATION, physiology/ DRUG IMPLANTS/ EJACULATION, drug effects/ HAMSTERS/ *LIGHT/ MALE/ MESOCRICETUS/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

533. **Campbell M, Small AM, Hollander CS, et al:** A controlled crossover study of triiodothyronine in autistic children. J Autism Child Schizophr 8(4):371-81, Dec 78
*AUTISM, EARLY INFANTILE, drug therapy/ AUTISM, EARLY INFANTILE, physiopathology/ BRAIN, drug effects/ BRAIN, physiopathology/ CHILD BEHAVIOR, drug effects/ CHILD/ CHILD, PRESCHOOL/ CLINICAL RESEARCH/ COGNITION, drug effects/ DOUBLE-BLIND METHOD/ DRUG EVALUATION/ FEMALE/ HUMAN/ INTELLIGENCE/ MALE/ PSYCHIATRIC STATUS RATING SCALES/ THYROXINE, blood/ TRIIODOTHYRONINE, adverse effects/ TRIIODOTHYRONINE, blood/ *TRIIODOTHYRONINE, therapeutic use/ UNITED

STATES GOV'T SUPPORTED, P.H.S.

534. **Campbell S, McQueen J, Minardi J, et al:** The modifying effect of progestogen on the response of the post-menopausal endometrium to exogenous oestrogens. Postgrad Med J 54(2):59–64, 1978
ENDOMETRIAL HYPERPLASIA, chemically induced/ *ENDOMETRIAL HYPERPLASIA, prevention & control/ *ESTROGENS, adverse effects/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ *MENOPAUSE, drug effects/ *PROGESTATIONAL HORMONES, SYNTHETIC, therapeutic use/ UTERINE NEOPLASMS, chemically induced/ UTERINE NEOPLASMS, prevention & control

535. **Candel Monserrate I, Damborenea y González de Landeta MD, Casas Requejo F, et al:** Diabetes insípida y adenocarcinoma de pulmón. Rev Clin Esp 151(1):69–72, 15 Oct 78 **(Spa)**
*ADENOCARCINOMA, complications/ ADENOCARCINOMA, pathology/ *BRAIN NEOPLASMS, complications/ BRAIN NEOPLASMS, pathology/ CASE REPORT/ *DIABETES INSIPIDUS, etiology/ DIABETES INSIPIDUS, pathology/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ HYPOTHALAMUS, pathology/ *LUNG NEOPLASMS, complications/ LUNG NEOPLASMS, pathology/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS

536. **Cangiano JL, Rodríguez-Sargent C, Martínez-Maldonado M:** Effects of antihypertensive treatment on systolic blood pressure and renin in experimental hypertension in rats. J Pharmacol Exp Ther 208(2):310–3, Feb 79
ANIMAL/ *ANTIHYPERTENSIVE AGENTS, pharmacodynamics/ *BLOOD PRESSURE, drug effects/ FEMALE/ HYDRALAZINE, pharmacodynamics/ *HYPERTENSION, RENAL, physiopathology/ HYPERTENSION, RENOVASCULAR, enzymology/ *HYPERTENSION, RENOVASCULAR, physiopathology/ LIGATION/ METHYLDOPA, pharmacodynamics/ RATS/ *RENIN, blood/ TIME FACTORS

537. **Capps ML, Lawrence IE Jr, Burden HW:** Ultrastructure of the cells of the ovarian interstitial gland in hypophysectomized rats. The effects of stimulation of the ovarian plexus and of denervation. Cell Tissue Res 193(3):433–42, 30 Oct 78
*ADRENERGIC FIBERS, physiology/ ANIMAL/ DENERVATION/ FEMALE/ HYPOPHYSECTOMY/ LIPIDS/ ORGANOIDS, ultrastructure/ *OVARY, anatomy & histology/ OVARY, innervation/ *PITUITARY GLAND, physiology/ RATS/ *THECA CELLS, ultrastructure/ UNITED STATES GOV'T SUPPORTED, P.H.S.

538. **Carbone PP, Davis TE:** Medical treatment for advanced breast cancer. Semin Oncol 5(4):417–27, Dec 78 (43 ref.)
*ANTINEOPLASTIC AGENTS, therapeutic use/ *BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, pathology/ BREAST NEOPLASMS, therapy/ DRUG THERAPY, COMBINATION/ FEMALE/ HORMONES, therapeutic use/ HUMAN/ NEOPLASM METASTASIS, therapy/ NEOPLASM STAGING/ PROGNOSIS/ RECEPTORS, ESTROGEN/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

539. **Carlson CW:** Evidence for a high molecular weight factor(s) in serum which increases alkaline phosphatase specific activity in HeLa. J Cell Physiol 98(1):213–24, Jan 79
*ALKALINE PHOSPHATASE, metabolism/ CULTURE MEDIA/ ENZYME ACTIVATION, drug effects/ HELA CELLS, drug effects/ *HELA CELLS, enzymology/ HYDROGEN-ION CONCENTRATION/ ISOENZYMES, metabolism/ MOLECULAR WEIGHT/ PREDNISOLONE, pharmacodynamics/ ZINC, pharmacodynamics

540. **Carlsson A, Lindqvist M:** Effects of antidepressant agents on the synthesis of brain monoamines. J Neural Transm 43(2):73–91, 1978
ANIMAL/ *ANTIDEPRESSIVE AGENTS, TRICYCLIC, pharmacodynamics/ *BRAIN, metabolism/ DOPA, biosynthesis/ *DOPAMINE, biosynthesis/ HYDROXYTRYPTOPHAN, biosynthesis/ MALE/ NEURAL TRANSMISSION, drug effects/ *NOREPINEPHRINE, biosynthesis/ RATS/ *SEROTONIN, biosynthesis/ SYNAPTIC RECEPTORS, drug effects/ TRYPTOPHAN, biosynthesis/ TYROSINE, biosynthesis

541. **Carlstedt-Duke J, Wrange O, Dahlberg E, et al:** Transformation of the glucocorticoid receptor in rat liver cytosol by lysosomal enzymes. J Biol Chem 254(5):1537–9, 10 Mar 79
ANIMAL/ CYTOSOL, metabolism/ *LIVER, metabolism/ *LYSOSOMES, enzymology/ MALE/ *PEPTIDE PEPTIDOHYDROLASES, metabolism/ RATS/ *RECEPTORS, GLUCOCORTICOID, metabolism/ *RECEPTORS, STEROID, metabolism/ TRYPSIN

542. **Caroni P, Schwerzmann K, Carafoli E:** Separate pathways for Ca2+ uptake and release in liver mitochondria. FEBS Lett 96(2):339–42, 15 Dec 78
ANIMAL/ BINDING SITES/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ CARRIER PROTEINS, metabolism/ ENERGY METABOLISM/ *MITOCHONDRIA, LIVER, metabolism/ RATS/ RUTHENIUM RED, metabolism

543. **Carpenter DO, Gaubatz G, Willis JA, et al:** Effects of irradiation of Aplysia pacemaker neurons with 20-MeV electrons. Radiat Res 76(1):32–47, Oct 78
ANIMAL/ APLYSIA/ CALCIUM, metabolism/ CENTRAL NERVOUS SYSTEM, radiation effects/ ELECTRIC STIMULATION/ ELECTRONS/ MEMBRANE POTENTIALS, radiation effects/ NEURONS, metabolism/ NEURONS, physiology/ *NEURONS, radiation effects/ POTASSIUM, metabolism/ SODIUM, metabolism/ SYNAPTIC MEMBRANES, physiopathology/ SYNAPTIC MEMBRANES, radiation effects/ TIME FACTORS

544. **Carrer HF:** Mesencephalic participation in the control of sexual behavior in the female rat. J Comp Physiol Psychol 92(5):877–87, Oct 78
ACTION POTENTIALS/ ANIMAL/ CASTRATION/ CORPORA QUADRIGEMINA, physiology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTRIC STIMULATION/ ESTRADIOL, pharmacodynamics/ ESTRUS, drug effects/ EVOKED POTENTIALS/ FEMALE/ GENITALIA, FEMALE, innervation/ *MESENCEPHALON, physiology/ NEURONS, AFFERENT, physiology/ PROGESTERONE, pharmacodynamics/ RATS/ *SEX BEHAVIOR, ANIMAL, physiology

545. **Carretero OA, Scicli AG:** The renal kallikrein-kinin system in human and in experimental hypertension. Klin Wochenschr 56 Suppl 1:113–25, 1978 (101 ref.)
ANIMAL/ BARTTER'S DISEASE, physiopathology/ DIURETICS, pharmacodynamics/ HUMAN/ HYPERTENSION, familial & genetic/ *HYPERTENSION, physiopathology/ *KALLIKREIN, physiology/ KALLIKREIN, urine/ KIDNEY DISEASES, physiopathology/ *KIDNEY, enzymology/ KIDNEY, physiology/ KIDNEY, transplantation/ *KININS, physiology/ MINERALOCORTICOIDS, pharmacodynamics/ *NEPHRONS, enzymology/ PROSTAGLANDINS, physiology/ RATS/ REVIEW/ SODIUM, metabolism/ SYMPATHETIC NERVOUS SYSTEM, physiology/ TRANSPLANTATION, HOMOLOGOUS/ WATER, metabolism

546. **Carretti N:** Interference of anti-HLA antibodies in the mother with the sex ratio of the conceptus: possible existence of Y-dependent antigen linked to HL-A system. Riv Ital Ginecol 58(1-2):11–6, Jan-Apr 77
ADULT/ FEMALE/ FETUS/ HUMAN/ *HL-A ANTIGENS/ INFANT, NEWBORN/ *ISOANTIBODIES/ *PREGNANCY TOXEMIAS, immunology/ PREGNANCY/ *SEX CHROMOSOMES, immunology/ *SEX DIFFERENTIATION/ SEX RATIO/ *Y CHROMOSOME, immunology

547. **Carson RS, Findlay JK, Burger HG:** Receptors for follicle-stimulating hormone and human chorionic gonadotrophin in the ovine follicle: changes in binding with atresia in vitro [proceedings] J Endocrinol 79(2):27P–28P, Nov 78
ANIMAL/ FEMALE/ *FSH, metabolism/ *GONADOTROPINS, CHORIONIC, metabolism/ *GRAAFIAN FOLLICLE, metabolism/ GRAAFIAN FOLLICLE, physiology/ IN VITRO/ *RECEPTORS, HORMONE, metabolism/ SHEEP

548. **Carswell GF, Anast CS, Thompson IM, et al:** Experience with the radioimmunoassay for parathyroid hormone in the diagnosis of primary hyperparathyroidism. Trans Am Assoc Genitourin Surg 69:113–7, 1977

CALCIUM, blood/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ HUMAN/ HYPERCALCEMIA, complications/ HYPERPARATHYROIDISM, complications/ *HYPERPARATHYROIDISM, diagnosis/ *PARATHYROID HORMONE, blood/ PHOSPHORUS, blood/ RADIOIMMUNOASSAY/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *URINARY CALCULI, complications

549. **Casquet MC, Palacios S, Díaz Recasens J, et al:** Colitis ulcerosa y embarazo. Acta Obstet Ginecol Hisp Lusit 26(7):433–8, Oct 78 **(Spa)**
ADULT/ *COLITIS, ULCERATIVE, drug therapy/ COLITIS, ULCERATIVE, psychology/ DEPRESSION, drug therapy/ FEMALE/ HUMAN/ PREDNISONE, therapeutic use/ *PREGNANCY COMPLICATIONS, drug therapy/ PREGNANCY/ SALICYLAZOSULFAPYRIDINE, therapeutic use/ TRANQUILIZING AGENTS, therapeutic use

550. **Cassoff J, Hanna T:** Grey-scale ultrasonography for assessment of gynecologic pelvic masses. Can Med Assoc J 120(1):38–40, 45–6, 6 Jan 79
ADNEXITIS, diagnosis/ CARCINOMA, diagnosis/ ENDOMETRIOSIS, diagnosis/ FEMALE/ HUMAN/ LEIOMYOMA, diagnosis/ OVARIAN NEOPLASMS, diagnosis/ *PELVIC NEOPLASMS, diagnosis/ RETROSPECTIVE STUDIES/ TERATOID TUMOR, diagnosis/ *ULTRASONICS, diagnostic use/ UTERINE NEOPLASMS, diagnosis

551. **Castellani L, Chiara F, Cotelli F:** Fine structure and cytochemistry of the morphogenesis of round-headed human sperm. Arch Androl 1(4):291–7, Sep 78
*ACID PHOSPHATASE, metabolism/ HISTOCYTOCHEMISTRY/ HUMAN/ MALE/ SERTOLI CELLS, enzymology/ SPERM HEAD, ultrastructure/ SPERMATIDS, ultrastructure/ SPERMATOGENESIS/ SPERMATOZOA, enzymology/ *SPERMATOZOA, ultrastructure/ STERILITY, MALE, enzymology/ *STERILITY, MALE, pathology/ TESTIS, enzymology/ TESTIS, ultrastructure/ THIAMINE PYROPHOSPHATASE, metabolism

552. **Castrillo García J, Rodríguez-Miñón Cifuentes J, Salinas Casado J:** Riñón en esponja (revisión de 34 casos de una población litiásica). Rev Clin Esp 151(5):389–93, 15 Dec 78 (Eng. Abstr.) **(Spa)**
ADOLESCENCE/ ADULT/ AGED/ CALCIUM, metabolism/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ KIDNEY CALCULI, complications/ *KIDNEY CALCULI, metabolism/ KIDNEY, SPONGE, complications/ *KIDNEY, SPONGE, diagnosis/ KIDNEY, SPONGE, metabolism/ MALE/ MIDDLE AGE/ PHOSPHORUS, metabolism

553. **Catania R:** Etude microspectrophotométrique des amines biogènes dans les ganglions du système nerveux central chez Crepidula fornicata (Phil). C R Acad Sci [D] (Paris) 287(6):643–6, 25 Sep 78 (Eng. Abstr.) **(Fre)**
ANIMAL/ *BIOGENIC AMINES, analysis/ BIOGENIC AMINES, physiology/ *CENTRAL NERVOUS SYSTEM, analysis/ CENTRAL NERVOUS SYSTEM, cytology/ DOPAMINE, analysis/ ENGLISH ABSTRACT/ GANGLIA, analysis/ MICROCHEMISTRY/ *MOLLUSCA, analysis/ SEROTONIN, analysis/ SPECTROMETRY, FLUORESCENCE

554. **Cavalli F:** Neue diagnostische Möglichkeiten bei Leukämien. Dtsch Med Wochenschr 104(1):3–4, 5 Jan 79 **(Ger)**
B-LYMPHOCYTES, analysis/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ *LEUKEMIA, diagnosis/ LEUKEMIA, LYMPHOBLASTIC, diagnosis/ LEUKEMIA, LYMPHOCYTIC, diagnosis/ LEUKEMIA, MYELOBLASTIC, diagnosis/ LEUKEMIA, MYELOCYTIC, diagnosis/ LEUKEMIA, MYELOCYTIC, drug therapy/ PREDNISONE, therapeutic use/ PROGNOSIS/ T-LYMPHOCYTES, analysis/ VINCRISTINE, therapeutic use

555. **Cavenee WK, Melnykovych G:** Elevation of HeLa cell 3-hydroxy-3-methylglutaryl coenzyme A reductase activity by glucocorticoids: possible relationship to the cell cycle. J Cell Physiol 98(1):199–211, Jan 79
*CELL CYCLE, drug effects/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ *DEXAMETHASONE, pharmacodynamics/ DNA, biosynthesis/ HELA CELLS, cytology/ *HELA CELLS, drug effects/ HELA CELLS, metabolism/ *HYDROXYMETHYLGLUTARYL COA REDUCTASES, metabolism/ PROGESTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

556. **Cazala P:** Extinction du comportement d'autostimulation chez trois lignées de souris consanguines: influence du délai séparant la période de renforcement de la séance d'extinction. Physiol Behav 21(5):701–4, Nov 78 (Eng. Abstr.) **(Fre)**
ANIMAL/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ *EXTINCTION (PSYCHOLOGY), physiology/ HYPOTHALAMUS, physiology/ MALE/ MICE/ MICE, INBRED BALB C/ MICE, INBRED STRAINS/ REINFORCEMENT SCHEDULE/ *SELF STIMULATION, physiology/ SPECIES SPECIFICITY/ TIME FACTORS

557. **Cedro A, Herbaczyńska-Cedro K:** Increased blood level of prostaglandin-like substances during cardiopulmonary bypass in the dog. Cardiovasc Res 12(9):516–22, Sep 78
ANIMAL/ BIOLOGICAL ASSAY/ BLOOD PRESSURE, drug effects/ *CARDIOPULMONARY BYPASS, adverse effects/ DOGS/ FEMALE/ HYPOTENSION, etiology/ INDOMETHACIN, pharmacodynamics/ MALE/ *PROSTAGLANDINS, blood

558. **Ceilley RI, Babin RW:** The combined use of cryosurgery and intralesional injections of suspensions of fluorinated adrenocorticosteroids for reducing keloids and hypertrophic scars. J Dermatol Surg Oncol 5(1):54–6, Jan 79
*ADRENAL CORTEX HORMONES, therapeutic use/ CICATRIX, drug therapy/ CICATRIX, surgery/ *CICATRIX, therapy/ *CRYOGENIC SURGERY, methods/ HUMAN/ KELOID, drug therapy/ KELOID, surgery/ *KELOID, therapy/ TRIAMCINOLONE ACETONIDE, therapeutic use

559. **Cenatiempo Y, Cozzone AJ, Genot A, et al:** Characterization of two distinct protein kinase activities bound to membrane-free rat liver polysomes. Biochimie 60(8):813–6, 1978
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ CASEIN/ DIAMIDE, pharmacodynamics/ HISTONE KINASE, metabolism/ IN VITRO/ *ISOENZYMES, metabolism/ *LIVER, enzymology/ MALE/ PHOSPHORYLATION/ POLYRIBOSOMES, drug effects/ *POLYRIBOSOMES, enzymology/ POTASSIUM CHLORIDE, pharmacodynamics/ *PROTEIN KINASE, metabolism/ RATS/ SUBSTRATE SPECIFICITY

560. **Cerný E, Fusek I:** Metodické poznámky k rinologickým přístupum a výkonum na lebeční spodině a hypofýze. Cesk Otolaryngol 27(6):321–331, Dec 78 (Eng. Abstr.) **(Cze)**
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FOREIGN BODIES, surgery/ HUMAN/ INFANT/ METHODS/ MIDDLE AGE/ *PARANASAL SINUS DISEASES, surgery/ PARANASAL SINUS NEOPLASMS, surgery/ *PITUITARY DISEASES, surgery/ PITUITARY NEOPLASMS, surgery/ SINUSITIS, surgery/ SKULL FRACTURES, surgery/ SKULL

561. **Cerný V, Fingerová H, Janousková M, et al:** Význam stanovení alfafetoproteinu a lidského choriongonadotropinu u zhoubných nádoru varlat. Rozhl Chir 57(12):833–8, Dec 78 (Eng. Abstr.) **(Cze)**
*ALPHA FETOPROTEINS, analysis/ ENGLISH ABSTRACT/ *GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ MALE/ RADIOIMMUNOASSAY/ *TESTICULAR NEOPLASMS, analysis

562. **Ceserani R, Colombo M, Robuschi M, et al:** Tartrazine and prostaglandin-system. Prostaglandins Med 1(6):499–505, Dec 78
ANIMAL/ *AZO COMPOUNDS, pharmacodynamics/ GUINEA PIGS/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ LUNG, drug effects/ LUNG, metabolism/ *PROSTAGLANDINS, biosynthesis/ *TARTRAZINE, pharmacodynamics/ THROMBOXANE A2, biosynthesis

563. **Chadwick JM, Downham TF 2d:** Auricular calcification.
Int J Dermatol 17(10):799–801, Dec 78
ADRENAL GLAND HYPOFUNCTION, complications/ AGED/ *CALCINOSIS, diagnosis/ CALCINOSIS, etiology/ *CARTILAGE DISEASES, diagnosis/ CARTILAGE DISEASES, etiology/ CASE REPORT/ DERMATITIS, complications/ EAR DISEASES, diagnosis/ EAR DISEASES, etiology/ *EAR, EXTERNAL/ HUMAN/ MALE/ MIDDLE AGE/ OTITIS EXTERNA, complications

564. **Chahl LA, Cross RB:** The nature of the pressor response to carotid artery occlusion in the hexamethonium-treated rat.
Clin Exp Pharmacol Physiol 5(5):495–502, Sep–Oct 78
ALCOHOL, ETHYL, pharmacodynamics/ ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ ATROPINE, pharmacodynamics/ *BLOOD PRESSURE, drug effects/ *CAROTID ARTERIES, physiology/ CAROTID SINUS, innervation/ DENERVATION/ DOPAMINE, pharmacodynamics/ HEART RATE/ *HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ RATS/ TUBOCURARINE, pharmacodynamics/ VAGUS NERVE, physiology/ VASOPRESSINS, pharmacodynamics

565. **Chakravarty A, Purandare H, Mehta L, et al:** Effect of synthetic and natural sex steroids on X-chromatin.
Indian J Med Res 68:785–9, Nov 78
ADOLESCENCE/ ADULT/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ *CONTRACEPTIVES, ORAL, SYNTHETIC, pharmacodynamics/ *ESTROGENS, physiology/ FEMALE/ HUMAN/ PREGNANCY/ *PROGESTERONE, physiology/ *SEX CHROMATIN, drug effects

566. **Challis JR, Manning FA:** Control of parturition in subhuman primates. Semin Perinatol 2(3):247–60, Jul 78 (66 ref.)
ADRENAL GLANDS, physiology/ AMNIOTIC FLUID, analysis/ ANIMAL/ CORTICOTROPIN, physiology/ ESTROGENS, physiology/ FEMALE/ FETAL BLOOD, analysis/ FETUS, physiology/ FETUS, surgery/ GLUCOCORTICOIDS, physiology/ HORMONES, analysis/ HUMAN/ HYDROCORTISONE, analysis/ HYDROCORTISONE, blood/ HYPOPHYSECTOMY/ *LABOR/ MONKEYS/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PRIMATES, physiology/ PROGESTERONE, physiology/ PROSTAGLANDINS, physiology/ REVIEW

567. **Chalmers JP:** Nervous system and hypertension.
Clin Sci Mol Med 55 Suppl 4:45s–56s, Dec 78
ANIMAL/ BLOOD PRESSURE/ CENTRAL NERVOUS SYSTEM, physiopathology/ CHOLINERGIC FIBERS, physiopathology/ DESOXYCORTICOSTERONE/ DISEASE MODELS, ANIMAL/ HUMAN/ HYDROXYDOPAMINE, pharmacodynamics/ *HYPERTENSION, physiopathology/ HYPERTENSION, RENAL, physiopathology/ NOREPINEPHRINE, metabolism/ NOREPINEPHRINE, physiology/ PRESSORECEPTORS, physiopathology/ REFLEX, physiology/ *VASOMOTOR SYSTEM, physiopathology

568. **Chambers DJ, Zanelli JM, Parsons JA, et al:** Cytochemical bioassay of parathyroid hormone [proceedings]
J Endocrinol 79(2):34P–35P, Nov 78
BIOLOGICAL ASSAY, methods/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ GUINEA PIGS/ HUMAN/ KIDNEY, enzymology/ *PARATHYROID HORMONE, blood

569. **Chamness GC, King TW, Sheridan PJ:** Androgen receptor in the rat brain--assays and properties. Brain Res 161(2):267–76, 2 Feb 79
AMYGDALOID BODY, metabolism/ ANIMAL/ BINDING, COMPETITIVE/ *BRAIN, metabolism/ CEREBRAL CORTEX, metabolism/ CYTOSOL, metabolism/ DIETHYLSTILBESTROL, metabolism/ ESTRADIOL, metabolism/ FEMALE/ HYPOTHALAMUS, metabolism/ PREOPTIC AREA, metabolism/ RATS/ *RECEPTORS, ANDROGEN, isolation & purification/ *RECEPTORS, ANDROGEN, metabolism/ *RECEPTORS, STEROID, isolation & purification/ *RECEPTORS, STEROID, metabolism/ STANOLONE, metabolism/ TESTOSTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

570. **Chan FP, Ball JK, Sergovich FR:** Trisomy no. 15 in murine thymomas induced by chemical carcinogens, X-irradiation, and an endogenous murine leukemia virus. JNCI 62(3):605–10, Mar 79
ANIMAL/ LYMPHOMA, etiology/ *LYMPHOMA, familial & genetic/ MICE/ MICE, INBRED STRAINS/ MOUSE LEUKEMIA VIRUSES/ NEOPLASMS, EXPERIMENTAL, familial & genetic/ *NEOPLASMS, RADIATION-INDUCED, familial & genetic/ *POLYCYCLIC HYDROCARBONS/ THYMUS NEOPLASMS, etiology/ *THYMUS NEOPLASMS, familial & genetic/ *TRISOMY/ TUMOR VIRUS INFECTIONS, familial & genetic

571. **Chan JC, DeLuca HR:** Calcium and parathyroid disorders in children. Chronic renal failure and treatment with calcitriol.
JAMA 241(12):1242–4, 23 Mar 79
ADOLESCENCE/ AGE FACTORS/ ALKALINE PHOSPHATASE, blood/ *CALCIUM, blood/ CHILD/ CREATININE, blood/ DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ *DIHYDROXYCHOLECALCIFEROLS, therapeutic use/ FEMALE/ HEMODIALYSIS/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, therapeutic use/ *KIDNEY FAILURE, CHRONIC, drug therapy/ KIDNEY FAILURE, CHRONIC, therapy/ MALE/ *PARATHYROID HORMONE, blood/ PHOSPHATES, blood/ TIME FACTORS

572. **Chan L, Means AR, O'Malley BW:** Steroid hormone regulation of specific gene expression. Vitam Horm 36:259–95, 1978 (202 ref.)
ALPHA GLOBULINS, biosynthesis/ ANDROGENS, physiology/ ANIMAL/ APOLIPOPROTEINS, biosynthesis/ CORTICOTROPIN, biosynthesis/ ESTROGENS, physiology/ FEMALE/ FRUCTOSEDIPHOSPHATE ALDOLASE, biosynthesis/ GLUCOCORTICOIDS, physiology/ GLUTAMINE SYNTHETASE, biosynthesis/ *HORMONES, physiology/ HUMAN/ MALE/ OVALBUMIN, biosynthesis/ PHOSPHOENOLPYRUVATE CARBOXYKINASES, biosynthesis/ PROGESTERONE, physiology/ PROLACTIN, biosynthesis/ PROTEINURIA, metabolism/ REVIEW/ RNA, VIRAL, biosynthesis/ SOMATOTROPIN, biosynthesis/ *STEROIDS, physiology/ *TRANSCRIPTION, GENETIC/ TRYPTOPHAN OXYGENASE, biosynthesis/ TYROSINE AMINOTRANSFERASE, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTEROGLOBIN, biosynthesis/ VITELLOGENIN, biosynthesis

573. **Chandra AM, Patra PB, Chatterjee P, et al:** Adrenocortical activity in female rats following long-term exposure to treadmill running. Endokrinologie 72(2):239–42, May 78
ADRENAL CORTEX, cytology/ *ADRENAL CORTEX, physiology/ ANIMAL/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ HISTOCYTOCHEMISTRY/ *PHYSICAL CONDITIONING, ANIMAL/ PROGESTERONE REDUCTASE, metabolism/ RATS

574. **Chang ES, O'Connor JD:** In vitro secretion and hydroxylation of alpha-ecdysone as a function of the crustacean molt cycle.
Gen Comp Endocrinol 36(1):151–10, Sep 78
ANIMAL/ *CRABS, metabolism/ *ECDYSONE, metabolism/ HEMOLYMPH, metabolism/ HYDROXYLATION/ METAMORPHOSIS, BIOLOGICAL/ SUBCELLULAR FRACTIONS, metabolism/ TESTIS, metabolism/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED

575. **Chang KJ, Miller RJ, Cuatrecasas P:** Interaction of enkephalin with opiate receptors in intact cultured cells.
Mol Pharmacol 14(6):961–70, Nov 78
BINDING, COMPETITIVE/ BRAIN, drug effects/ BRAIN, metabolism/ CATIONS, pharmacodynamics/ CELL LINE/ *ENDORPHINS, metabolism/ *ENKEPHALINS, metabolism/ GLIOMA, metabolism/ HYDROLASES, pharmacodynamics/ KINETICS/ NARCOTIC ANTAGONISTS, metabolism/ NARCOTICS, metabolism/ NEUROBLASTOMA, metabolism/ RECEPTORS, NARCOTIC, drug effects/ *RECEPTORS,

NARCOTIC, metabolism

576. **Chang TM:** A 1978 perspective of hemoperfusion.
Artif Organs 2(4):359–62, Nov 78
ACUTE DISEASE/ ADSORPTION/ ALBUMINS/ ANIMAL/ ARTIFICIAL ORGANS/ CELLULOSE/ CHARCOAL/ CHRONIC DISEASE/ COLLOIDS/ ENDORPHINS, blood/ FUTUROLOGY/ HEMOPERFUSION, instrumentation/ *HEMOPERFUSION, methods/ HEPATIC COMA, therapy/ HUMAN/ IMMUNOSORBENTS/ ION EXCHANGE RESINS/ KIDNEY FAILURE, CHRONIC, therapy/ LIVER/ POISONING, therapy/ RESINS, SYNTHETIC/ SCHIZOPHRENIA, therapy

577. **Channing CP, Hillensjo T, Schaerf FW:** Hormonal control of oocyte meiosis, ovulation and luteinization in mammals.
Clin Endocrinol Metab 7(3):601–24, Nov 78 (156 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ BODY FLUIDS, physiology/ *CORPUS LUTEUM, physiology/ FEMALE/ FSH, antagonists & inhibitors/ FSH, metabolism/ GRANULOSA CELLS, physiology/ HUMAN/ LH, metabolism/ MEIOSIS/ MONKEYS/ *OOCYTES, cytology/ OOCYTES, physiology/ *OVULATION/ *OVUM, cytology/ RECEPTORS, HORMONE, physiology/ REVIEW/ SWINE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

578. **Chantaraprateep P, Thibier M:** Effect of dexamethasone and testosterone propionate on LH response to gonadoliberin (LRH) in young post-pubertal bulls. Andrologia 11(1):25–32, Jan 79
ANIMAL/ CATTLE/ *DEXAMETHASONE, pharmacodynamics/ *LH, blood/ *LH-FSH RELEASING HORMONE, diagnostic use/ MALE/ TESTOSTERONE, blood/ *TESTOSTERONE, pharmacodynamics

579. **Chantraine A:** Actual concept of osteoporosis in paraplegia.
Paraplegia 16(1):51–8, May 78
AMINO ACIDS, metabolism/ CALCITONIN, blood/ CALCIUM, metabolism/ COLLAGEN, metabolism/ FEMALE/ FEMUR, metabolism/ FRACTIONATION/ HUMAN/ HYDROXYPROLINE, urine/ ILIUM, metabolism/ MALE/ METACARPUS, metabolism/ MINERALS, metabolism/ *OSTEOPOROSIS, blood/ OSTEOPOROSIS, radiography/ *PARAPLEGIA, complications/ PARAPLEGIA, radiography/ PARATHYROID HORMONE, blood/ PHOSPHORUS, blood

580. **Chapdelaine P, Tremblay RR, Dubé JY, et al:** Origin of maltase and variations in infertile men. Arch Androl 1(1):61–8, 1978
ADULT/ *ALPHA-GLUCOSIDASES, metabolism/ CHROMATOGRAPHY, ION EXCHANGE/ EPIDIDYMIS, enzymology/ *GLUCOSIDASES, metabolism/ HUMAN/ MALE/ PROSTATE, enzymology/ SEMEN, enzymology/ *STERILITY, MALE, enzymology/ TESTIS, enzymology/ TROMETHAMINE, pharmacodynamics/ VARICOCELE, enzymology

581. **Chapman SJ, Neville BG, Schurr PH:** Craniopharyngioma in childhood: the nature and management of early postoperative fluid and electrolyte disturbance. Dev Med Child Neurol 20(5):598–604, Oct 78
CASE REPORT/ CHILD/ *CRANIOPHARYNGIOMA, surgery/ FEMALE/ HUMAN/ HYPONATREMIA, etiology/ INAPPROPRIATE ADH SYNDROME, complications/ INAPPROPRIATE ADH SYNDROME, drug therapy/ INFANT/ MALE/ *PITUITARY NEOPLASMS, surgery/ *POSTOPERATIVE CARE/ *POSTOPERATIVE COMPLICATIONS, prevention & control/ SODIUM, therapeutic use/ SODIUM, urine/ TIME FACTORS/ VASOPRESSINS, therapeutic use/ *WATER-ELECTROLYTE IMBALANCE, prevention & control

582. **Charbonnel B:** Essai thérapeutique de l'euthyral dans trente et un cas d'hypothyroïdie. Sem Hop Paris 54(41–42):1291–5, 18–25 Nov 78 (Eng. Abstr.) **(Fre)**
ADOLESCENCE/ ADULT/ AGED/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, drug therapy/ MALE/ MIDDLE AGE/ THYROTROPIN, blood/ THYROXINE, administration & dosage/ THYROXINE, blood/ *THYROXINE, therapeutic use/ TRIIODOTHYRONINE, administration & dosage/ TRIIODOTHYRONINE, blood/ *TRIIODOTHYRONINE, therapeutic use

583. **Chari S, Hopkinson CR, Daume E, et al:** Purification of 'inhibin' from human ovarian follicular fluid.
Acta Endocrinol (Copenh) 90(1):157–66, Jan 79
ADULT/ BIOLOGICAL ASSAY/ *BODY FLUIDS, analysis/ CASTRATION/ CHROMATOGRAPHY, GEL/ CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS, DISC/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ FILTRATION, instrumentation/ FRACTIONATION/ FSH, blood/ *GRAAFIAN FOLLICLE, analysis/ HORMONES, analysis/ *HORMONES, isolation & purification/ HUMAN/ LH, blood/ MALE/ MOLECULAR WEIGHT/ RADIOIMMUNOASSAY/ RATS/ THYROTROPIN, blood

584. **Charkes ND, Makler PT Jr, Philips C:** Studies of skeletal tracer kinetics. I. Digital-computer solution of a five-compartment model of [18F] fluoride kinetics in humans. J Nucl Med 19(12):1301–9, Dec 78
BONE AND BONES, blood supply/ *BONE AND BONES, metabolism/ BONE AND BONES, radionuclide imaging/ *COMPUTERS/ FLUORIDES, blood/ *FLUORIDES, metabolism/ FLUORIDES, urine/ FLUORINE, diagnostic use/ HUMAN/ KINETICS/ *MODELS, BIOLOGICAL/ RADIOISOTOPES, diagnostic use

585. **Charli JL, Joseph-Bravo P, Palacios JM, et al:** Histamine-induced release of thyrotropin releasing hormone from hypothalamic slices. Eur J Pharmacol 52(3–4):401–3, 1 Dec 78
ANIMAL/ CALCIUM, pharmacodynamics/ CIMETIDINE, pharmacodynamics/ *HISTAMINE, pharmacodynamics/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, metabolism/ IN VITRO/ MALE/ POTASSIUM, pharmacodynamics/ RATS/ *THYROTROPIN RELEASING HORMONE, metabolism

586. **Chartier M, Roger M, Barrat J, et al:** Measurement of plasma human chorionic gonadotropin (hCG) and beta-hCG activities in the late luteal phase: evidence of the occurrence of spontaneous menstrual abortions in infertile women.
Fertil Steril 31(2):134–7, Feb 79
*ABORTION, diagnosis/ FEMALE/ *GONADOTROPINS, CHORIONIC, blood/ HUMAN/ *MENSTRUATION/ *MENSTRUATION, LUTEAL PHASE/ *PREGNANCY TESTS, IMMUNOLOGIC/ PREGNANCY/ RADIOIMMUNOASSAY

587. **Chatterjee SK, Ghosh B, Das B:** Multiple spontaneous fractures of the pelvis and femoral neck during pregnancy.
Int J Gynaecol Obstet 16(1):34–7, 1978
ADULT/ CASE REPORT/ FEMALE/ *FEMORAL NECK FRACTURES, etiology/ *FRACTURES, SPONTANEOUS/ HUMAN/ *OSTEOMALACIA, complications/ *PELVIC BONES, injuries/ *PREGNANCY COMPLICATIONS/ PREGNANCY

588. **Chatterjee SK, Bhattacharya M, Barlow JJ:** Correlation of UDP-galactose glycoprotein:galactosyltransferase levels in the sera with the clinical status of ovarian cancer patients.
Cancer Lett 5(5):239–44, Nov 78
ADENOCARCINOMA, diagnosis/ *ADENOCARCINOMA, enzymology/ ADENOCARCINOMA, therapy/ FEMALE/ HUMAN/ *LACTOSE SYNTHETASE, blood/ OVARIAN NEOPLASMS, diagnosis/ *OVARIAN NEOPLASMS, enzymology/ OVARIAN NEOPLASMS, therapy/ RECURRENCE/ REMISSION/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

589. **Chaturvedi AK, Landon EJ, Sastry BV:** Influence of 6-(N,N-diethylamino)hexyl 3,4,5-trimethoxybenzoate on the responsiveness of aortae to norepinephrine and calcium movements in microsomes form spontaneously hypertensive and normotensive rats. Pharmacology 17(6):315–22, 1978
ANIMAL/ AORTA, THORACIC, cytology/ AORTA, THORACIC, drug effects/ *ARTERIES, drug effects/ BENZOATES, administration & dosage/ *BENZOATES, pharmacodynamics/ *CALCIUM, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ DRUG SCREENING/ FEMALE/ *HYPERTENSION,

metabolism/ *HYPERTENSION, physiopathology/ *MICROSOMES, metabolism/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ NOREPINEPHRINE, administration & dosage/ *NOREPINEPHRINE, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

590. **Check JH, Murdock MG, Caro JF, et al:** Case report: cystic gynecomastia in a male treated with clomiphene citrate. Fertil Steril 30(6):713–5, Dec 78
ADULT/ *BREAST DISEASES, chemically induced/ CASE REPORT/ *CLOMIPHENE, adverse effects/ *CYSTS, chemically induced/ *GYNECOMASTIA, chemically induced/ HUMAN/ MALE

591. **Cheek DB, Graystone JE:** Insulin and growth hormone: regulators of growth with particular reference to muscle. Kidney Int 14(4):317–22, Oct 78 (41 ref.)
ANIMAL/ CELL DIVISION, drug effects/ CELL NUMBER/ CHILD/ DIABETES MELLITUS, therapy/ DIABETES MELLITUS, EXPERIMENTAL, therapy/ FEMALE/ HUMAN/ HYPOPHYSECTOMY/ HYPOPITUITARISM, therapy/ INFANT, NEWBORN/ INSULIN, deficiency/ *INSULIN, physiology/ MALE/ MICE/ MUSCLES, cytology/ *MUSCLES, growth & development/ MUSCLES, pathology/ PREGNANCY/ PROTEINS, biosynthesis/ REVIEW/ SEX HORMONES, physiology/ SOMATOMEDIN, physiology/ SOMATOTROPIN, deficiency/ *SOMATOTROPIN, physiology/ SOMATOTROPIN, therapeutic use/ THYROID HORMONES, physiology

592. **Chef R, Meert B:** Ihibition précoce et tradive de la lactation par la bromocriptine. Etude comparée. J Gynecol Obstet Biol Reprod (Paris) 7(5):1003–12, May–Jun 78 (Eng. Abstr.) **(Fre)**
BRAIN CHEMISTRY, drug effects/ CESAREAN SECTION/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ HYPOTHALAMUS, drug effects/ *LACTATION, drug effects/ PITUITARY GLAND, drug effects/ PREGNANCY/ PROLACTIN, blood/ SEROTONIN, metabolism/ TIME FACTORS/ *2-BROMOERGOCRYPTINE, pharmacodynamics

593. **Chemodanov VI:** O pervoi Vsesoiuznoĭ konferentsii 'Fiziologii razvitiia cheloveka'. Probl Endokrinol (Mosk) 25(1):93–4, Jan–Feb 79 **(Rus)**
ADOLESCENCE/ CHILD/ CONGRESSES/ *ENDOCRINE GLANDS, growth & development/ HUMAN/ MOSCOW

594. **Chen CL, Feigelson P:** Hormonal induction of alpha2u-globulin synthesis in isolated rat hepatocytes. Biochemistry 17(24):5308–13, 28 Nov 78
ADRENALECTOMY/ *ALPHA GLOBULINS, biosynthesis/ ANIMAL/ CASTRATION/ COLCHICINE, pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ *DEXAMETHASONE, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ FEMALE/ LEUCINE, metabolism/ *LIVER, cytology/ LIVER, metabolism/ MALE/ RATS/ *STANOLONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

595. **Chen H, Hoffman WH, Chang CH, et al:** Lymphocytic thyroiditis, myasthenia gravis and Turner syndrome. Birth Defects 14(6A):137–47, 1978
ADOLESCENCE/ ANTIBODY FORMATION/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ CHROMOSOMES, HUMAN, ultrastructure/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ KARYOTYPING/ *MYASTHENIA GRAVIS, complications/ MYASTHENIA GRAVIS, immunology/ T-LYMPHOCYTES, immunology/ *THYROIDITIS, LYMPHOMATOUS, complications/ THYROIDITIS, LYMPHOMATOUS, immunology/ *TURNER'S SYNDROME, complications/ TURNER'S SYNDROME, immunology

596. **Cheng JT, Araki H:** Inhibitory effect of steroid compounds on passive transportation of calcium ion in rat rectal smooth muscle. Kobe J Med Sci 24(3):141–52, Sep 78
*ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL/ BIOLOGICAL TRANSPORT/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ DEPRESSION, CHEMICAL/ IN VITRO/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ *MUSCLE, SMOOTH, metabolism/ RATS/ RECTUM

597. **Cheng KW:** Isolation and characterization of the subunits of bovine follitropin. Biochem J 175(1):29–34, 1 Oct 78
AMINO ACIDS, analysis/ ANIMAL/ CATTLE/ CHEMISTRY/ CHROMATOGRAPHY, GEL/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *FSH, isolation & purification/ LH/ THYROTROPIN

598. **Cheng TH, Holman BL:** Radionuclide assessment of Gaucher's disease. J Nucl Med 19(12):1333–6, Dec 78
ADULT/ BONE AND BONES, pathology/ BONE AND BONES, radionuclide imaging/ CASE REPORT/ CHILD/ DIPHOSPHONATES, diagnostic use/ FEMALE/ GAUCHER'S DISEASE, pathology/ *GAUCHER'S DISEASE, radionuclide imaging/ HUMAN/ LIVER, pathology/ LIVER, radionuclide imaging/ MALE/ SPLEEN, pathology/ SPLEEN, radionuclide imaging/ TECHNETIUM, diagnostic use

599. **Chenoweth PJ, Osborne HG:** Breed differences in abnormalities of the reproductive organs of young beef bulls. Aust Vet J 54(10):463–8, Oct 78
ANIMAL/ *CATTLE DISEASES, congenital/ CATTLE DISEASES, pathology/ CATTLE/ *GENITALIA, MALE, abnormalities/ MALE/ SEMINAL VESICLES, abnormalities/ SPECIES SPECIFICITY/ TESTIS, abnormalities

600. **Cheren'ko MP, Plugatarenko EA:** O vzaimosviazi adenom i raka shchitovidnoĭ zhelezy. Klin Khir (12):7–11, Dec 78 (Eng. Abstr.) **(Rus)**
*ADENOMA, surgery/ ADULT/ CYSTADENOMA, PAPILLARY, surgery/ ENGLISH ABSTRACT/ *GOITER, NODULAR, surgery/ HUMAN/ MIDDLE AGE/ *THYROID NEOPLASMS, surgery

601. **Cherry JD:** The treatment of croup: continued controversy due to failure of recognition of historic, ecologic, etiologic and clinical perspectives [editorial] J Pediatr 94(2):352–4, Feb 79
CHILD/ CROUP, diagnosis/ CROUP, drug therapy/ *CROUP, therapy/ DEXAMETHASONE, therapeutic use/ HUMAN/ *LARYNGITIS, therapy

602. **Cherry RJ:** Measurement of protein rotational diffusion in membranes by flash photolysis. Methods Enzymol 54:47–61, 1978
ADENOSINE TRIPHOSPHATASE, analysis/ ANIMAL/ DIFFUSION/ EOSIN/ ERYTHROCYTE MEMBRANE, ultrastructure/ HUMAN/ *MEMBRANE PROTEINS/ MEMBRANE PROTEINS, blood/ MEMBRANES, ultrastructure/ MUSCLES/ PHOTOLYSIS/ PROTEIN BINDING/ RABBITS/ SARCOPLASMIC RETICULUM, ultrastructure/ SPECTROMETRY, FLUORESCENCE, methods/ SPECTROPHOTOMETRY, instrumentation/ *SPECTROPHOTOMETRY, methods/ TIME FACTORS

603. **Chew PC, Goh HH, Ratnam SS:** Testosterone production with hydatidiform moles--in vitro and in vivo studies. Br J Obstet Gynaecol 86(1):37–40, Jan 79
ANDROSTENEDIONE, metabolism/ DEHYDROEPIANDROSTERONE, metabolism/ ESTRADIOL, blood/ FEMALE/ HUMAN/ *HYDATIDIFORM MOLE, metabolism/ IN VITRO/ PREGNANCY/ *TESTOSTERONE, biosynthesis/ TESTOSTERONE, blood/ TROPHOBLAST, metabolism/ *UTERINE NEOPLASMS, metabolism

604. **Chiarelli SM, De Marchi A, Piazza M:** Malignant Brenner tumor of the ovary: case report with a review of the literature. Tumori 64(6):597–605, Nov–Dec 78 (29 ref.)
ADULT/ AGED/ BRENNER TUMOR, diagnosis/ *BRENNER TUMOR, pathology/ CASE REPORT/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ MIDDLE AGE/ NEOPLASM INVASIVENESS/ NEOPLASM METASTASIS/ OVARIAN NEOPLASMS, diagnosis/ *OVARIAN NEOPLASMS, pathology/ REVIEW

605. **Chiavarelli V, Vajola FS, Romei E, et al:** Azione antianginosa di due farmaci calcio-antagonisti: nifedipina e verapamil in confronto a nitroderivato e a beta-bloccante. G Ital Cardiol 8(10):1122–8, 1978 (Eng. Abstr.) **(Ita)**
*ANGINA PECTORIS, drug therapy/ *CALCIUM, metabolism/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DRUG EVALUATION/

ENGLISH ABSTRACT/ HUMAN/ *IPROVERATRIL, therapeutic use/ *ISOSORBIDE DINITRATE, therapeutic use/ MALE/ MIDDLE AGE/ MYOCARDIUM, metabolism/ *NIFEDIPINE, therapeutic use/ PLACEBOS/ *PROPRANOLOL, therapeutic use/ *PYRIDINES, therapeutic use

606. **Chiba A, Honma Y, Usuda M:** Histological observations on some of the endocrine glands in the ironfish, with special regard to the hypophysis. Arch Histol Jpn 41(1):53–64, Feb 78
ANIMAL/ FEMALE/ *FISHES, anatomy & histology/ HYPOTHALAMUS, cytology/ MALE/ OVARY, cytology/ *PITUITARY GLAND, cytology/ THYROID GLAND, cytology

607. **Chiba H, Sasaki R:** Functions, of 2,3-bisphosphoglycerate and its metabolism. Curr Top Cell Regul 14:75–116, 1978 (171 ref.)
ADENOSINE MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL/ BISPHOSPHOGLYCEROMUTASE, metabolism/ *DIPHOSPHOGLYCERIC ACIDS, metabolism/ *ERYTHROCYTES, metabolism/ GENES, STRUCTURAL/ GLYCOLYSIS/ GROWTH/ HEMOGLOBINS, metabolism/ HORMONES, pharmacodynamics/ HUMAN/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MUSCLES, enzymology/ OXYGEN, metabolism/ PHOSPHOMONOESTERASES, metabolism/ REVIEW

608. **Chilliard Y, Sauvant D, Morand-Fehr P, et al:** Evolution du métabolisme lipidique du tissu mammaire chez la Chèvre au cours des 2 premiers mois de lactation.
C R Acad Sci [D] (Paris) 287(9):871–4, 16 Oct 78 (Eng. Abstr.) **(Fre)**
ACETYL COA CARBOXYLASE, metabolism/ ANIMAL/ ENGLISH ABSTRACT/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ GOATS/ *LACTATION/ LIPOPROTEIN LIPASE, metabolism/ MALATE DEHYDROGENASE, metabolism/ *MAMMAE, metabolism/ PREGNANCY/ TIME FACTORS

609. **Chimbira TH, Cope E, Anderson AB, et al:** The effect of danazol on menorrhagia, coagulation mechanisms, haematological indices and body weight. Br J Obstet Gynaecol 86(1):46–50, Jan 79
ADULT/ BLOOD COAGULATION, drug effects/ BODY WEIGHT, drug effects/ DANAZOL, adverse effects/ DANAZOL, pharmacodynamics/ *DANAZOL, therapeutic use/ FEMALE/ HEMOGLOBINS, analysis/ HUMAN/ *MENORRHAGIA, drug therapy/ MIDDLE AGE/ *PREGNADIENES, therapeutic use

610. **Chipkin RE, Stewart JM, Morris DH:** Substance P and opioid interaction on stimulated and non-stimulated guinea pig ileum. Eur J Pharmacol 53(1):21–7, 15 Dec 78
ANIMAL/ ATROPINE, pharmacodynamics/ DRUG INTERACTIONS/ ELECTRIC STIMULATION/ ENKEPHALINS, pharmacodynamics/ GUINEA PIGS/ ILEUM, drug effects/ IN VITRO/ MALE/ MORPHINE, pharmacodynamics/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ NALOXONE, pharmacodynamics/ *NARCOTICS, pharmacodynamics/ *SUBSTANCE P, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

611. **Chirkova AM, Gorbunova ZI:** Opredelenie optimal'nogo sroka nachala udlineniia pri épifizeolize (eksperimental'noe issledovanie). Ortop Travmatol Protez (11):27–30, Nov 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ BONE AND BONES, pathology/ BONE REGENERATION/ CARTILAGE, pathology/ DOGS/ ENGLISH ABSTRACT/ *EPIPHYSES, SLIPPED, pathology/ FRACTURES, pathology/ TIME FACTORS/ WOUND HEALING

612. **Chiu S, Mishra RK:** Antagonism of morphine-induced catalepsy by L-prolyl-L-leucyl-glycinamide.
Eur J Pharmacol 53(2):119–25, 1 Jan 79
ANIMAL/ *CATALEPSY, chemically induced/ MALE/ *MORPHINE, antagonists & inhibitors/ *MSH RELEASE INHIBITING HORMONE, pharmacodynamics/ PARKINSON DISEASE, drug therapy/ RATS/ THYROTROPIN RELEASING HORMONE, pharmacodynamics

613. **Chiu TH:** Chronic effects of 6-hydroxydopamine and reserpine on myocardial adenylate cyclase. Eur J Pharmacol 52(3–4):385–8, 1 Dec 78
*ADENYL CYCLASE, metabolism/ ANIMAL/ DRUG INTERACTIONS/ FLUORIDES, pharmacodynamics/ GUANYLYL IMIDODIPHOSPHATE, pharmacodynamics/ *HYDROXYDOPAMINE, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ MALE/ *MYOCARDIUM, enzymology/ NOREPINEPHRINE, pharmacodynamics/ RATS/ *RESERPINE, pharmacodynamics/ TIME FACTORS

614. **Chlapowski FJ, Ray KP, Butcher RW:** Prolonged prostaglandin E1 stimulation of cyclic AMP production in transformed and normal WI-38 fibroblasts. In Vitro 14(11):924–34, Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ CELL DIVISION, drug effects/ CELL LINE/ *CELL TRANSFORMATION, NEOPLASTIC/ *CELL TRANSFORMATION, VIRAL/ COMPARATIVE STUDY/ *FIBROBLASTS, drug effects/ FIBROBLASTS, metabolism/ HUMAN/ LUNG, embryology/ PHOSPHODIESTERASE INHIBITORS, pharmacodynamics/ *PROSTAGLANDINS E, pharmacodynamics/ SV40 VIRUS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

615. **Cho CH, Ogle CW:** Histamine H1- and H2-receptor-mediated gastric microcirculatory effects in the aetiology of stress ulceration in the rat stomach. Experientia 34(10):1294–6, 15 Oct 78
*AMINOPYRIDINES, pharmacodynamics/ ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *GASTRIC MUCOSA, blood supply/ GASTRIC MUCOSA, cytology/ MALE/ MAST CELLS, drug effects/ *METIAMIDE, pharmacodynamics/ MICROCIRCULATION, drug effects/ *PYRILAMINE, pharmacodynamics/ RATS/ *RECEPTORS, HISTAMINE, physiology/ *STOMACH ULCER, etiology/ STOMACH ULCER, prevention & control/ *STRESS, PSYCHOLOGICAL, complications/ *THIOUREA, analogs & derivatives

616. **Cho-Chung YS, Clair T, Zubialde JP:** Increase of cyclic AMP-dependent protein kinase type II as an early event in hormone-dependent mammary tumor regression.
Biochem Biophys Res Commun 85(3):1150–5, 14 Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ ENZYME ACTIVATION/ ESTRADIOL, pharmacodynamics/ FEMALE/ HISTONE KINASE, metabolism/ *MAMMARY NEOPLASMS, EXPERIMENTAL, enzymology/ *NEOPLASM REGRESSION, SPONTANEOUS/ PHOSPHORYLATION/ *PROTEIN KINASE, metabolism/ RATS/ 9,10-DIMETHYL-1,2-BENZANTHRACENE

617. **Chobanian AV, Gavras H, Melby JC, et al:** Relationship of basal plasma noradrenaline to blood pressure, age, sex, plasma renin activity and plasma volume in essential hypertension.
Clin Sci Mol Med 55 Suppl 4:93s–96s, Dec 78
AGE FACTORS/ ANIMAL/ *BLOOD PRESSURE/ *BLOOD VOLUME/ FEMALE/ HYPERTENSION, blood/ *HYPERTENSION, physiopathology/ *RENIN, blood/ SEX FACTORS/ SODIUM, metabolism/ SODIUM, urine/ UNITED STATES GOV'T SUPPORTED, P.H.S.

618. **Chocair PR, Galvão MM, Soares DC, et al:** Rejeição renal tardia: influência do desequilíbrio nas doses de prednisona e azatioprina. Rev Hosp Clin Fac Med Sao Paulo 33(5):243–7, Oct 78 (Eng. Abstr.) **(Por)**
*AZATHIOPRINE, administration & dosage/ CREATININE, blood/ ENGLISH ABSTRACT/ *GRAFT REJECTION, drug effects/ HUMAN/ IMMUNOSUPPRESSION/ KIDNEY, physiopathology/ *KIDNEY, transplantation/ *PREDNISONE, administration & dosage/ TRANSPLANTATION IMMUNOLOGY, drug effects

619. **Choppin J, Desplaces A, Aurousseau M:** Variations histochimiques et enzymatiques au cours du développement d'une hépatite chronique. Cell Mol Biol 23(3):241–7, 1978 (Eng. Abstr.) **(Fre)**
ANIMAL/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ HEPATITIS, ANIMAL, chemically induced/ *HEPATITIS, ANIMAL, metabolism/ HISTOCYTOCHEMISTRY/ MALE/ PREGNENES/ RATS

620. **Chopra IJ, Solomon DH, Chopra U, et al:** Pathways of metabolism of thyroid hormones. Recent Prog Horm Res 34:521–67, 1978 (132 ref.)
ANIMAL/ FETUS, metabolism/ HUMAN/ HYPERTHYROIDISM, metabolism/ HYPOTHYROIDISM, metabolism/ REVIEW/ SYNDROME/ *THYROID HORMONES, metabolism/ THYROXINE, metabolism/ TRIIODOTHYRONINE, deficiency/ TRIIODOTHYRONINE, metabolism/ TRIIODOTHYRONINE, REVERSE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

621. **Chowdhury AR, Deshmukh MB, Raghuveeran CD, et al:** Histological changes in thyroid of rat under the acute exposure of O-chloro-benzylidine malononitrile. Experientia 34(10):1327, 15 Oct 78
*O-CHLOROBENZYLIDENE MALONITRILE, pharmacodynamics/ ANIMAL/ FEMALE/ *NITRILES, pharmacodynamics/ RATS/ *THYROID GLAND, drug effects/ THYROID GLAND, pathology

622. **Choy DS:** Effective treatment of inadvertent intramuscular administration of vincristine [letter] JAMA 241(7):695, 16 Feb 79
BUTTOCKS, pathology/ CASE REPORT/ FEMALE/ HUMAN/ *HYDROCORTISONE, therapeutic use/ *INJECTIONS, INTRAMUSCULAR, adverse effects/ MIDDLE AGE/ *NECROSIS, prevention & control/ *VINCRISTINE, adverse effects

623. **Choy YM, Lau KM, Lee CY:** Purification and characterization of urinary choriogonadotropin from patients with hydatidiform mole. J Biol Chem 254(4):1159–63, 25 Feb 79
AMINO ACIDS, analysis/ CARBOHYDRATES, analysis/ FEMALE/ GEL DIFFUSION TESTS/ GONADOTROPINS, CHORIONIC, isolation & purification/ *GONADOTROPINS, CHORIONIC, urine/ HUMAN/ *HYDATIDIFORM MOLE, urine/ IMMUNOELECTROPHORESIS/ PEPTIDE FRAGMENTS, analysis/ *UTERINE NEOPLASMS, urine

624. **Christensen NJ:** Plasma noradrenaline and adrenaline measured by isotope-derivative assay. A review with special reference to diabetes mellitus. Dan Med Bull 26(1):17–36, Feb 79 (200 ref.)
CARBON RADIOISOTOPES/ *DIABETES MELLITUS, blood/ *EPINEPHRINE, blood/ EXERTION/ FEMALE/ HEMODYNAMICS, drug effects/ HUMAN/ HYPOGLYCEMIA/ HYPOPHYSECTOMY/ INSULIN, pharmacodynamics/ INSULIN, secretion/ MALE/ *NOREPINEPHRINE, blood/ REVIEW/ SYMPATHETIC NERVOUS SYSTEM, physiology/ TRITIUM

625. **Christensson PI, Eriksson G, Stenram U:** Ribonucleic acid labelling perfused livers of protein-fed and protein-deprived rats. Cytobios 20(79–80):199–217, 1977
ANIMAL/ COMPARATIVE STUDY/ *DIETARY PROTEINS, metabolism/ HYDROCORTISONE, pharmacodynamics/ INSULIN, pharmacodynamics/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ OROTIC ACID, diagnostic use/ PERFUSION/ RATS/ *RNA, biosynthesis/ SOMATOTROPIN, pharmacodynamics/ TRIIODOTHYRONINE, pharmacodynamics

626. **Christiansen C, Christensen MS, Hartnack B, et al:** Vitamin-D analogues and renal function [letter] Lancet 1(8106):50–1, 6 Jan 79
*DIHYDROXYCHOLECALCIFEROLS, toxicity/ DIHYDROXYCHOLECALCIFEROLS, therapeutic use/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, toxicity/ *KIDNEY FAILURE, CHRONIC, drug therapy/ KIDNEY FAILURE, CHRONIC, physiopathology/ *KIDNEY, drug effects/ KIDNEY, physiopathology

627. **Christiansen C, Rødbro P:** Antikonvulsiv osteomalaci. Forstyrrelser i D-vitaminomsaetningen hos epileptikere i antikonvulsiv behandling. Ugeskr Laeger 141(5):280–4, 29 Jan 79 (Eng. Abstr.) **(Dan)**
ADULT/ *ANTICONVULSANTS, adverse effects/ ANTICONVULSANTS, therapeutic use/ CALCIUM, metabolism/ CHILD/ ENGLISH ABSTRACT/ HUMAN/ *OSTEOMALACIA, chemically induced/ *VITAMIN D, metabolism

628. **Christiansen C, Rødbro P:** Enkel og atraumatisk måling of organismens totalcalcium. Ugeskr Laeger 141(5):277–80, 29 Jan 79 (Eng. Abstr.) **(Dan)**
ABSORPTION/ ADOLESCENCE/ ADULT/ *BONE AND BONES, analysis/ *CALCIUM, analysis/ CHILD/ ENGLISH ABSTRACT/ HUMAN/ METHODS/ MIDDLE AGE/ OSTEOLYSIS, diagnosis

629. **Chrzanowska BL, Nitzan M, Phillips LS, et al:** Homocysteic acid: an examination of its possible growth hormone-like activity. Metabolism 28(1):80–4, Jan 79
ANIMAL/ BIOLOGICAL ASSAY/ BONE AND BONES, drug effects/ BONE AND BONES, physiology/ COMPARATIVE STUDY/ DNA POLYMERASES, metabolism/ FEMALE/ *HOMOCYSTEINE, analogs & derivatives/ HOMOCYSTEINE, pharmacodynamics/ HYPOPHYSECTOMY/ LIVER, drug effects/ *LIVER, enzymology/ RATS/ SOMATOMEDIN, blood/ *SOMATOTROPIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

630. **Chu H, Klemp A, Stille G:** Effects of furosemide and spironolactone on the behavior of morphine-tolerant rats. Psychopharmacology (Berlin) 59(3):309–10, 8 Dec 78
ANIMAL/ *BEHAVIOR, ANIMAL, drug effects/ CATALEPSY, chemically induced/ DRUG TOLERANCE/ FEMALE/ *FUROSEMIDE, pharmacodynamics/ LETHAL DOSE 50/ *MORPHINE, pharmacodynamics/ RATS/ *SPIRONOLACTONE, pharmacodynamics/ STEREOTYPED BEHAVIOR, drug effects/ TIME FACTORS

631. **Chuppina LM:** Effect of single stimulation of the posterior hypothalamus on visual evoked potentials in anesthetized rabbits. Neurosci Behav Physiol 8(4):302–6, Oct–Dec 77
ANIMAL/ BRAIN MAPPING/ EVOKED POTENTIALS/ *HYPOTHALAMUS, physiology/ HYPOTHALAMUS, POSTERIOR, anatomy & histology/ *HYPOTHALAMUS, POSTERIOR, physiology/ MALE/ NEURAL PATHWAYS, anatomy & histology/ NEURAL PATHWAYS, physiology/ RABBITS/ VISUAL CORTEX, anatomy & histology/ *VISUAL CORTEX, physiology/ *VISUAL PERCEPTION, physiology

632. **Churches AE, Howlett CR, Waldron KJ, et al:** The response of living bone to controlled time-varying loading: method and preliminary results. J Biomech 12(1):35–45, 1979
ANIMAL/ BONE AND BONES, anatomy & histology/ *BONE AND BONES, physiology/ BONE DEVELOPMENT/ BONE RESORPTION/ MALE/ METACARPUS, anatomy & histology/ METACARPUS, physiology/ OSTEOGENESIS/ SHEEP/ STRESS, MECHANICAL/ TIME FACTORS

633. **Churchill PC, Churchill MC, McDonald FD:** Renin secretion and distal tubule Na+ in rats. Am J Physiol 235(6):F611–6, Dec 78
ANIMAL/ *DIET/ DIET, SALT-FREE/ INULIN, diagnostic use/ KIDNEY FUNCTION TESTS/ *KIDNEY TUBULES, physiology/ *KIDNEY TUBULES, DISTAL, physiology/ RATS/ *RENIN, secretion/ *SODIUM, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

634. **Chytil F, Ong DE:** Cellular vitamin A binding proteins. Vitam Horm 36:1–32, 1978 (101 ref.)
AGING/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ BLOOD PROTEINS, metabolism/ CARRIER PROTEINS, blood/ *CARRIER PROTEINS, metabolism/ CELL NUCLEUS, metabolism/ ESTROGENS, metabolism/ FETUS, metabolism/ GLYCOPROTEINS, metabolism/ HUMAN/ IN VITRO/ LIPOPROTEINS, metabolism/ MOLECULAR WEIGHT/ NEOPLASM PROTEINS, metabolism/ NUCLEOPROTEINS, metabolism/ RETINALDEHYDE, metabolism/ REVIEW/ SPECIES SPECIFICITY/ TISSUE DISTRIBUTION/ TRETINOIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VITAMIN A, blood/ *VITAMIN A, metabolism

635. **Cibull ML, Gray GF:** Ultrastructure of osteoclastoma-like giant cell tumor of thyroid. Am J Surg Pathol 2(4):401–5, Dec 78
AGED/ CASE REPORT/ FEMALE/ GIANT CELL TUMORS, pathology/ GIANT CELL TUMORS,

surgery/ *GIANT CELL TUMORS, ultrastructure/ HUMAN/ THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, surgery/ *THYROID NEOPLASMS, ultrastructure

636. **Cicero TJ, Meyer ER, Bell RD:** Effects of ethanol on the hypothalamic-pituitary-luteinizing hormone axis and testicular steroidogenesis. J Pharmacol Exp Ther 208(2):210-5, Feb 79
*ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL/ CASTRATION/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ *LH, blood/ LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ RATS/ *TESTIS, drug effects/ TESTIS, metabolism/ *TESTOSTERONE, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

637. **Cimarusti DL, Saito K, Vaughn JE, et al:** Immunocytochemical localization of dopamine-beta-hydroxylase in rat locus coeruleus and hypothalamus. Brain Res 162(1):55-67, 16 Feb 79
ADRENERGIC FIBERS, enzymology/ ANIMAL/ *DOPAMINE BETA-HYDROXYLASE, metabolism/ HYPOTHALAMUS, anatomy & histology/ *HYPOTHALAMUS, enzymology/ IMMUNOENZYME TECHNICS/ LOCUS COERULEUS, anatomy & histology/ *LOCUS COERULEUS, enzymology/ NEURONS, enzymology/ NEURONS, ultrastructure/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

638. **Ciovîrnache M, Stancu H, Grecu E, et al:** Modifications of dermatoglyphics in thyreopathy. Endocrinologie 16(4):277-86, Oct-Dec 78
ADULT/ COMPARATIVE STUDY/ *DERMATOGLYPHICS/ FEMALE/ GOITER, physiopathology/ GOITER, EXOPHTHALMIC, physiopathology/ HUMAN/ HYPERTHYROIDISM, physiopathology/ MIDDLE AGE/ MYXEDEMA, physiopathology/ *THYROID DISEASES, physiopathology/ THYROID NEOPLASMS, physiopathology

639. **Civatte J, Laufer J, Delort J, et al:** Maladie de Cowden (syndrome des hamartomes multiples). Revue de la littérature à propos d'un cas. Ann Med Interne (Paris) 129(10):593-9, Oct 78 (18 ref.) **(Fre)**
BREAST NEOPLASMS, diagnosis/ BREAST NEOPLASMS, pathology/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ GASTROINTESTINAL NEOPLASMS, diagnosis/ GASTROINTESTINAL NEOPLASMS, pathology/ HAMARTOMA, diagnosis/ HAMARTOMA, familial & genetic/ HAMARTOMA, pathology/ HUMAN/ MALE/ MIDDLE AGE/ MOUTH NEOPLASMS, diagnosis/ MOUTH NEOPLASMS, pathology/ *NEOPLASMS, MULTIPLE PRIMARY, diagnosis/ NEOPLASMS, MULTIPLE PRIMARY, familial & genetic/ NEOPLASMS, MULTIPLE PRIMARY, pathology/ OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, pathology/ REVIEW/ SKIN NEOPLASMS, diagnosis/ SKIN NEOPLASMS, pathology/ SYNDROME/ THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, pathology

640. **Clanet J, Tournut R, Fourtanier G, et al:** Traitement par la pitressine des hémorragies par rupture de varices oesophagiennes chez le cirrhotique. Etude contrôlée. Acta Gastroenterol Belg 41(9-10):539-43, Sep-Oct 78 (Eng. Abstr.) **(Fre)**
CLINICAL RESEARCH/ DRUG EVALUATION/ ENGLISH ABSTRACT/ *ESOPHAGEAL VARICES, complications/ ESOPHAGEAL VARICES, drug therapy/ *HEMORRHAGE, GASTROINTESTINAL, drug therapy/ HEMORRHAGE, GASTROINTESTINAL, etiology/ HEMOSTATIC TECHNICS/ HUMAN/ MIDDLE AGE/ VASOPRESSINS, administration & dosage/ *VASOPRESSINS, therapeutic use

641. **Clark BR, Weichsel ME Jr, Poland RE:** Correlation of DNA accumulation rate with thymidylate synthetase activity in developing rat cerebellum: effect of hypothyroidism. Biol Neonate 34(5-6):209-16, 1978
ANIMAL/ ANIMALS, NEWBORN/ CEREBELLUM, enzymology/ CEREBELLUM, growth & development/ *CEREBELLUM, metabolism/ *DNA, biosynthesis/ FEMALE/ HYPOTHYROIDISM, chemically induced/ *HYPOTHYROIDISM, metabolism/ MATERNAL-FETAL EXCHANGE/ *METHYLTRANSFERASES, metaboiism/ PREGNANCY/ PROPYLTHIOURACIL/ RATS/ *THYMIDYLATE SYNTHETASE, metabolism

642. **Clark DR Jr, Krynitsky A:** Organochlorine residues and reproduction in the little brown bat, Laurel, Maryland--June 1976. Pestic Monit J 12(3):113-6, Dec 78
AGE FACTORS/ ANIMAL/ ANIMALS, NEWBORN, physiology/ *CHIROPTERA, physiology/ FEMALE/ FETAL DEATH, chemically induced/ *INSECTICIDES, ORGANOCHLORINE, adverse effects/ INSECTICIDES, ORGANOCHLORINE, metabolism/ MARYLAND/ MATERNAL-FETAL EXCHANGE/ *PESTICIDE RESIDUES, adverse effects/ PESTICIDE RESIDUES, metabolism/ PLACENTA, metabolism/ PREGNANCY/ *REPRODUCTION, drug effects/ TIME FACTORS

643. **Clark LC, Portier KM:** Diethylstilbestrol and the risk of cancer [letter] N Engl J Med 300(5):263-4, 1 Feb 79
BREAST NEOPLASMS, chemically induced/ *DIETHYLSTILBESTROL, adverse effects/ ENDOCRINE DISEASES, chemically induced/ FEMALE/ HUMAN/ *NEOPLASMS, chemically induced

644. **Clarke DM:** Problems with topical steroids. Aust Fam Physician 7(12):1509-10, 1512, 1514, Dec 78
ADMINISTRATION, TOPICAL/ ADRENAL CORTEX HORMONES, administration & dosage/ *ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ ATROPHY/ CHILD/ DERMATITIS, CONTACT, etiology/ HUMAN/ INFANT/ INFECTION, chemically induced/ SKIN DISEASES, drug therapy/ SKIN DISEASES, etiology/ SKIN, pathology

645. **Clarke WL, Santiago JV, Thomas L, et al:** Adrenergic mechanisms in recovery from hypoglycemia in man: adrenergic blockade. Am J Physiol 236(2):E147-52, Feb 79
ADULT/ *ALANINE, metabolism/ EPINEPHRINE, blood/ GLUCAGON, blood/ *GLUCOSE, metabolism/ HUMAN/ HYDROCORTISONE, blood/ HYPOGLYCEMIA, blood/ HYPOGLYCEMIA, chemically induced/ *HYPOGLYCEMIA, metabolism/ INSULIN, adverse effects/ KINETICS/ MALE/ NOREPINEPHRINE, blood/ *PHENTOLAMINE, pharmacodynamics/ *PROPRANOLOL, pharmacodynamics/ SOMATOTROPIN, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

646. **Claver M, Burgos E, Ordas J, et al:** Luteoma de embarazo: presentación de un caso. Acta Obstet Ginecol Hisp Lusit 26(7):425-31, Oct 78 **(Spa)**
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *OVARIAN NEOPLASMS, pathology/ *PREGNANCY COMPLICATIONS, pathology/ PREGNANCY/ *THECA CELL TUMOR, pathology

647. **Cleeve HJ, Brown IR:** Plasma 25-hydroxyvitamin D and alkaline phosphatase isoenzymes in hyperthyroidism. Ann Clin Biochem 15(6):320-3, Nov 78
*ALKALINE PHOSPHATASE, blood/ BONE AND BONES, enzymology/ FEMALE/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, blood/ *HYPERTHYROIDISM, blood/ ISOENZYMES, blood/ MALE

648. **Clement PB:** Chondrosarcoma of the uterus: report of a case and review of the literature. Hum Pathol 9(6):726-32, Nov 78
CASE REPORT/ CERVIX UTERI, pathology/ *CHONDROSARCOMA, pathology/ FALLOPIAN TUBES, pathology/ FEMALE/ HUMAN/ LUNG NEOPLASMS, pathology/ MIDDLE AGE/ MYOMETRIUM, pathology/ NEOPLASM METASTASIS/ OVARY, pathology/ THYROID NEOPLASMS, pathology/ *UTERINE NEOPLASMS, pathology/ *UTERUS, pathology

649. **Clement PB, Dimmick JE:** Endodermal variant of mature cystic teratoma of the ovary: report of a case. Cancer 43(1):383-5, Jan 79
CASE REPORT/ CHILD, PRESCHOOL/ DERMOID CYST, embryology/ *DERMOID CYST, pathology/ *ENDODERM, pathology/ EPITHELIUM, embryology/ FEMALE/ HUMAN/

OVARIAN NEOPLASMS, embryology/ *OVARIAN NEOPLASMS, pathology/ RESPIRATORY SYSTEM, embryology

650. **Clerico A, Del Chicca MG, Ghione S, et al:** Radioimmunological determination of apparent free cortisol concentration: some physiological and clinical applications. Clin Chim Acta 91(3):227-31, 1 Feb 79
ADOLESCENCE/ ADULT/ AGED/ BLOOD PROTEINS, metabolism/ CIRCADIAN RHYTHM/ FEMALE/ GESTATIONAL AGE/ HUMAN/ *HYDROCORTISONE, blood/ KIDNEY DISEASES, blood/ LIVER CIRRHOSIS, blood/ MALE/ METHODS/ MIDDLE AGE/ PREGNANCY/ PROTEIN BINDING/ RADIOIMMUNOASSAY

651. **Cleve H, Patutschnick W, Nevo S, et al:** Genetic studies on the Gc subtypes. Hum Genet 44(2):117-22, 31 Oct 78
ALLELES/ *CARRIER PROTEINS, genetics/ CHILD/ *CHOLECALCIFEROLS, metabolism/ *GENE FREQUENCY/ GERMANY/ HUMAN/ ISOELECTRIC FOCUSING/ ISRAEL/ ITALY/ *POLYMORPHISM (GENETICS)

652. **Clifton-Bligh P:** Thyroid function tests 1978. Med J Aust 2(8):375-8, 7 Oct 78
HUMAN/ PROTEIN BINDING/ RADIOLIGAND ASSAY/ THYROID DISEASES, diagnosis/ *THYROID FUNCTION TESTS/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

653. **Close HG, Nelson MM:** Buccal smears and numerical sex chromosome anomalies. S Afr Med J 54(14):557-61, 30 Sep 78
ADULT/ CHEEK, cytology/ CHILD/ CYTODIAGNOSIS/ FEMALE/ HUMAN/ INFANT, NEWBORN/ MALE/ MENTAL RETARDATION, familial & genetic/ *MOUTH MUCOSA, cytology/ SEX CHROMATIN, ultrastructure/ *SEX CHROMOSOME ABNORMALITIES, diagnosis/ SEX CHROMOSOME ABNORMALITIES, occurrence/ SOUTH AFRICA/ X CHROMOSOME, ultrastructure/ Y CHROMOSOME, ultrastructure

654. **Close WH, Heavens RP, Noblet J, et al:** A direct calorimeter for the measurement of heat loss from sows [proceedings] J Physiol (Lond) 284:11P-12P, Nov 78
ANIMAL/ *BODY TEMPERATURE REGULATION/ *CALORIMETRY, instrumentation/ FEMALE/ LACTATION/ PREGNANCY/ SWINE

655. **Clow A, Jenner P, Theodorou A, et al:** Striatal dopamine receptors become supersensitive while rats are geven trifluoperazine for six months. Nature 278(5699):59-61, 1 Mar 79
ADENYL CYCLASE, metabolism/ ANIMAL/ APOMORPHINE, pharmacodynamics/ *CORPUS STRIATUM, drug effects/ CORPUS STRIATUM, metabolism/ DOPAMINE, metabolism/ HOMOVANILLIC ACID, metabolism/ MALE/ RATS/ *RECEPTORS, DOPAMINE, drug effects/ SPIPERONE, metabolism/ STEREOTYPED BEHAVIOR, drug effects/ TIME FACTORS/ *TRIFLUOPERAZINE, pharmacodynamics/ 3,4-DIHYDROXYPHENYLACETIC ACID, metabolism

656. **Cody DT, Baker HL Jr:** Otosclerosis: vestibular symptoms and sensorineural hearing loss. Ann Otol Rhinol Laryngol 87(6 Pt 1):778-96, Nov-Dec 78
ADULT/ CALCIUM GLUCONATE, therapeutic use/ CASE REPORT/ DRUG THERAPY, COMBINATION/ HEARING LOSS, SENSORINEURAL, diagnosis/ HEARING LOSS, SENSORINEURAL, drug therapy/ *HEARING LOSS, SENSORINEURAL, etiology/ HUMAN/ *LABYRINTH DISEASES, complications/ LABYRINTH DISEASES, diagnosis/ MALE/ MIDDLE AGE/ *OTOSCLEROSIS, complications/ OTOSCLEROSIS, diagnosis/ SODIUM FLUORIDE, therapeutic use/ VERTIGO, diagnosis/ VERTIGO, drug therapy/ *VERTIGO, etiology/ *VESTIBULAR APPARATUS/ VITAMIN D, therapeutic use

657. **Cody V:** Thyroid hormones: crystal structure, molecular conformation, binding, and structure-function relationships. Recent Prog Horm Res 34:437-75, 1978 (80 ref.)
CELL NUCLEUS, metabolism/ HUMAN/ IODINE/ MOLECULAR CONFORMATION/ PROTEIN BINDING/ RECEPTORS, HORMONE, metabolism/ REVIEW/ STRUCTURE-ACTIVITY RELATIONSHIP/ THERMODYNAMICS/ *THYROID HORMONES, metabolism/ THYROID HORMONES, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

658. **Coe FL:** An inventory of our therapeutic possessions. Med Clin North Am 62(6):1147-56, Nov 78
ANTICOAGULANTS, therapeutic use/ ANTIHYPERTENSIVE AGENTS, therapeutic use/ ANTINEOPLASTIC AGENTS, therapeutic use/ DIURETICS, therapeutic use/ ELECTROLYTES, therapeutic use/ EVALUATION STUDIES/ FLUID THERAPY/ HEMODIALYSIS/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ *KIDNEY DISEASES, therapy/ PALLIATIVE TREATMENT/ PLASMAPHERESIS/ VITAMIN D, therapeutic use

659. **Cogan MG, Covey CM, Arieff AI, et al:** Central nervous system manifestations of hyperparathyroidism. Am J Med 65(6):963-70, Dec 78
ACUTE DISEASE/ ADULT/ AGED/ *BRAIN DISEASES, etiology/ BRAIN, metabolism/ CALCIUM, metabolism/ DEPRESSION, etiology/ HUMAN/ *HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, metabolism/ HYPERPARATHYROIDISM, surgery/ HYPERPARATHYROIDISM, SECONDARY, complications/ HYPERPARATHYROIDISM, SECONDARY, metabolism/ HYPERPARATHYROIDISM, SECONDARY, surgery/ MAGNESIUM, metabolism/ MIDDLE AGE/ PSYCHOSES, etiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

660. **Cohen AW, Burton HG:** Nephrotic syndrome due to preeclamptic nephropathy in a hydatidiform mole and coexistent fetus. Obstet Gynecol 53(1):130-4, Jan 79
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *HYDATIDIFORM MOLE, complications/ *KIDNEY DISEASES, complications/ *NEPHROTIC SYNDROME, etiology/ *PRE-ECLAMPSIA, complications/ PREGNANCY/ *UTERINE NEOPLASMS, complications

661. **Cohen BJ, Bree MM:** Chemical and physical restraint of nonhuman primates. J Med Primatol 7(4):193-201, 1978 (46 ref.)
ALTHESIN, pharmacodynamics/ *ANESTHETICS/ ANESTHETICS, DISSOCIATIVE, pharmacodynamics/ ANIMAL/ DRUG COMBINATIONS/ HALOTHANE, pharmacodynamics/ *IMMOBILIZATION/ KETAMINE, pharmacodynamics/ MACACA/ METHOHEXITAL, pharmacodynamics/ METHOXYFLURANE, pharmacodynamics/ MONKEYS/ *PRIMATES, physiology/ RESTRAINT, PHYSICAL, veterinary/ REVIEW/ SUCCINYLCHOLINE, pharmacodynamics/ TILETAMINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ XYLAZINE, pharmacodynamics/ ZOLAZEPAM, pharmacodynamics

662. **Cohen J:** Grossesses multiples après induction de l'ovulation. Concours Med 101(2):232-4, 13 Jan 79 (Fre)
FEMALE/ HUMAN/ *OVULATION INDUCTION/ PREGNANCY/ *PREGNANCY, MULTIPLE/ TIME FACTORS

663. **Cohen ML, Wiley KS, Tust RH:** Effect of the ionophore, A23187, on contraction and relaxation of rat arteries and veins. Proc Soc Exp Biol Med 159(3):353-8, Dec 78
*A-23187, pharmacodynamics/ ANIMAL/ *ANTIBIOTICS, pharmacodynamics/ *ARTERIES, drug effects/ BLOOD VESSELS, physiology/ CALCIUM, pharmacodynamics/ GLYCERYL TRINITRATE, pharmacodynamics/ IN VITRO/ MALE/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ NOREPINEPHRINE, pharmacodynamics/ PAPAVERINE, pharmacodynamics/ POTASSIUM CHLORIDE, pharmacodynamics/ RATS/ SEROTONIN, pharmacodynamics/ *VEINS, drug effects

664. **Cohen P:** The role of cyclic-AMP-dependent protein kinase in the regulation of glycogen metabolism in mammalian skeletal muscle. Curr Top Cell Regul 14:117-96, 1978 (133 ref.)

ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ CALCIUM, pharmacodynamics/ GLYCOGEN SYNTHETASE, metabolism/ *GLYCOGEN, metabolism/ MICE/ MUSCLE CONTRACTION/ *MUSCLES, metabolism/ PHOSPHOMONOESTERASES, isolation & purification/ PHOSPHOPROTEIN PHOSPHATASES, antagonists & inhibitors/ PHOSPHOPROTEIN PHOSPHATASES, metabolism/ PHOSPHORYLASE KINASE, isolation & purification/ PHOSPHORYLASE KINASE, metabolism/ PHOSPHORYLATION/ *PROTEIN KINASE, metabolism/ REVIEW

665. **Cohen S:** The pharmacology of alcohol. Postgrad Med 64(6):97–102, Dec 78
ALCOHOL, ETHYL, metabolism/ *ALCOHOL, ETHYL, pharmacodynamics/ ALCOHOLISM, complications/ ALCOHOLISM, metabolism/ BRAIN, drug effects/ DRUG TOLERANCE/ DRUG WITHDRAWAL SYMPTOMS/ ENDOCRINE GLANDS, drug effects/ GASTROINTESTINAL SYSTEM, drug effects/ HUMAN/ LIVER, drug effects/ SKIN, drug effects

666. **Cohn SH, Aloia JF, Letteri JM:** Noninvasive measurements of bone mass and their clinical significance. Calcif Tissue Res 26(1):1–3, 10 Nov 78
*BONE AND BONES, metabolism/ *BONE RESORPTION, diagnosis/ CALCIUM, metabolism/ HUMAN/ NEUTRON ACTIVATION ANALYSIS, methods/ *OSTEOLYSIS, diagnosis/ OSTEOPOROSIS, diagnosis

667. **Coleman M:** Studies of the autistic syndromes. Res Publ Assoc Res Nerv Ment Dis 57:265–75, 1979
ADOLESCENCE/ AUTISM, EARLY INFANTILE, enzymology/ AUTISM, EARLY INFANTILE, familial & genetic/ *AUTISM, EARLY INFANTILE, pathology/ BRAIN, enzymology/ *BRAIN, pathology/ CALCIUM, metabolism/ CATECHOL METHYLTRANSFERASE, metabolism/ CEREBROVASCULAR CIRCULATION/ CHILD/ CHILD, PRESCHOOL/ DOPAMINE BETA-HYDROXYLASE, metabolism/ DOPAMINE, metabolism/ HUMAN/ HYDROXYINDOLEACETIC ACID, metabolism/ INFANT/ SEROTONIN, metabolism/ THALAMUS, blood supply/ THALAMUS, pathology/ URIC ACID, metabolism

668. **Colenbrander B, van Straaten HW, Wensing CJ:** Gonadotrophic hormones and testicular descent. Arch Androl 1(2):131–7, 1978
ANIMAL/ CRYPTORCHISM, pathology/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ ORGAN WEIGHT/ SWINE/ TESTIS, embryology/ TESTIS, pathology/ *TESTIS, physiology

669. **Collins F:** Induction of neurite outgrowth by a conditioned-medium factor bound to the culture substratum. Proc Natl Acad Sci USA 75(10):5210–3, Oct 78
AXONS, physiology/ CELLS, CULTURED/ CLOSTRIDIOPEPTIDASE A, pharmacodynamics/ DEOXYRIBONUCLEASE, pharmacodynamics/ *NERVE GROWTH FACTOR/ *NEURONS, physiology/ PARASYMPATHETIC NERVOUS SYSTEM, physiology/ RIBONUCLEASE, pharmacodynamics/ SOLUTIONS/ TIME FACTORS/ TRYPSIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

670. **Collins WP, Collins PO, Kilpatrick MJ, et al:** The concentrations of urinary oestrone-3-glucuronide, LH and pregnanediol-3alpha-glucuronide as indices of ovarian function. Acta Endocrinol (Copenh) 90(2):336–48, Feb 79
ADULT/ *ESTRONE, urine/ FEMALE/ GLUCURONATES, urine/ HUMAN/ *LH, urine/ MENSTRUATION/ *OVARY, physiology/ *PREGNANEDIOL, urine/ RADIOIMMUNOASSAY

671. **Colnaghi MI, Regazzoni M, Boiocchi M, et al:** Fc receptor-like structures on in vitro-cultured human ovarian tumor cells. Tumori 64(6):587–96, Nov-Dec 78
CELL MEMBRANE, immunology/ CELLS, CULTURED/ *CYSTADENOCARCINOMA, immunology/ *CYSTADENOMA, MUCINOUS, immunology/ FEMALE/ HUMAN/ IGG/ IMMUNOGLOBULINS, FAB/ *IMMUNOGLOBULINS, FC/ IMMUNOGLOBULINS, FC, analysis/ IMMUNOLOGIC TECHNICS/ IODINE RADIOISOTOPES/ NEOPLASMS, EXPERIMENTAL, immunology/ *OVARIAN NEOPLASMS, immunology

672. **Comerton AM, Layne DS, Williamson DG:** Mechanism of glucose transfer to steroids by rabbit liver microsomes. Can J Biochem 56(11):1082–5, Nov 78
ANIMAL/ DEOXYCHOLIC ACID, pharmacodynamics/ DOLICHOL PHOSPHATES, pharmacodynamics/ DOLICHOL, pharmacodynamics/ *ESTRADIOL, metabolism/ *ESTRONE, metabolism/ FEMALE/ *GLUCURONATES, biosynthesis/ KINETICS/ MAGNESIUM, pharmacodynamics/ MICROSOMES, LIVER, drug effects/ *MICROSOMES, LIVER, metabolism/ RABBITS/ TRITONS, pharmacodynamics/ URIDINE DIPHOSPHATE GLUCOSE, metabolism

673. **Comis SD, Hodges DC, Leng G:** The microtap in neuroendocrinology [proceedings] J Physiol (Lond) 284:2P–3P, Nov 78
ANIMAL/ *ENDOCRINOLOGY, instrumentation/ HYPOTHALAMUS, cytology/ HYPOTHALAMUS, physiology/ NEURONS, physiology/ RATS

674. **Conn HO:** Fighting fire with fire: systemic vs selective vasoconstrictive therapy. JAMA 241(7):729–30, 16 Feb 79
ANGIOGRAPHY/ COMPARATIVE STUDY/ GASTROINTESTINAL SYSTEM, blood supply/ *HEMORRHAGE, GASTROINTESTINAL, drug therapy/ HUMAN/ INFUSIONS, INTRA-ARTERIAL, methods/ INFUSIONS, PARENTERAL, methods/ INJECTIONS, INTRAVENOUS, methods/ VASOCONSTRICTION, drug effects/ *VASOPRESSINS, administration & dosage/ VASOPRESSINS, therapeutic use

675. **Connellan SJ, Perceval PE, Wilson RS:** Sarcoidosis mimicking malignancy. Br J Dis Chest 72(4):343–4, Oct 78
*ADENOCARCINOMA, diagnosis/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MIDDLE AGE/ *OVARIAN NEOPLASMS, diagnosis/ *SARCOIDOSIS, diagnosis

676. **Connolly CE, Gillan J, Maguire R, et al:** Brief report: primary choriocarcinoma of the mediastinum. Ir J Med Sci 148(1):20–2, Jan 79
ADULT/ CASE REPORT/ *CHORIOCARCINOMA, pathology/ HUMAN/ MALE/ *MEDIASTINAL NEOPLASMS, pathology

677. **Connolly TM, Vecsei P, Haack D, et al:** Aldosterone diagnosis in hypertension: comparative evaluation of radioimmunoassays for urinary aldosterone and 18-OH-corticosterone. Klin Wochenschr 56 Suppl 1:173–81, 1978
ALDOSTERONE, analogs & derivatives/ ALDOSTERONE, immunology/ *ALDOSTERONE, urine/ CHROMATOGRAPHY/ COMPARATIVE STUDY/ *CORTICOSTERONE, analogs & derivatives/ CROSS REACTIONS/ GLUCURONATES, immunology/ GLUCURONATES, urine/ HUMAN/ *HYPERALDOSTERONISM, diagnosis/ HYPERALDOSTERONISM, immunology/ HYPERALDOSTERONISM, urine/ *HYPERTENSION, diagnosis/ HYPERTENSION, immunology/ HYPERTENSION, urine/ RADIOIMMUNOASSAY/ 18-HYDROXYCORTICOSTERONE, immunology/ *18-HYDROXYCORTICOSTERONE, urine/ 18-HYDROXYDESOXYCORTICOSTERONE, immunology/ 18-HYDROXYDESOXYCORTICOSTERONE, urine

678. **Conrad C, Frederiksen PL:** Cancer testis--lokal ophobning. En epidemiologisk iagttagelse. Ugeskr Laeger 141(4):254–6, 22 Jan 79 (Eng. Abstr.) **(Dan)**
DENMARK/ ENGLISH ABSTRACT/ ENVIRONMENTAL POLLUTION/ HUMAN/ MALE/ TESTICULAR NEOPLASMS, etiology/ *TESTICULAR NEOPLASMS, occurrence

679. **Conrad JT, Ueland K:** The stretch modulus of human cervical tissue in spontaneous, oxytocin-induced, and prostaglandin E2-induced labor. Am J Obstet Gynecol 133(1):11–4, 1 Jan 79
CERVIX UTERI, drug effects/ *CERVIX UTERI, physiology/ COMPARATIVE STUDY/ FEMALE/

HUMAN/ *LABOR/ *LABOR, INDUCED/ *OXYTOCIN, administration & dosage/ PREGNANCY/ *PROSTAGLANDINS E, administration & dosage/ PROSTAGLANDINS E, pharmacodynamics/ UTERINE CONTRACTION, drug effects

680. **Constans J, Viau M:** Etude en isoélectrofocalisation de la protéine sérique de transport de la vitamine D (DBP) et du polymorphisme de la protéine Gc. Importance en anthropologie. C R Acad Sci [D] (Paris) 287(8):809–12, 9 Oct 78 (Eng. Abstr.) **(Fre)**
ALPHA GLOBULINS, analysis/ ALPHA GLOBULINS, genetics/ *CARRIER PROTEINS, blood/ CARRIER PROTEINS, genetics/ ENGLISH ABSTRACT/ GENE FREQUENCY/ GLYCOPROTEINS, blood/ HUMAN/ ISOELECTRIC FOCUSING/ PHENOTYPE/ PIGMENTATION/ POLYMORPHISM (GENETICS)/ *VITAMIN D, blood

681. **Contamin F, Singer B, Mignot B, et al:** Traitement de la myasthénie par la prednisone ou prednisolone administrrée par voie orale au long cours. A propos de cinq observations. Sem Hop Paris 54(41–42):1213–8, 18–25 Nov 78 (Eng. Abstr.) **(Fre)**
ADMINISTRATION, ORAL/ ADULT/ AGED/ CHOLINESTERASE INHIBITORS, therapeutic use/ COMPARATIVE STUDY/ CORTICOTROPIN, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *MYASTHENIA GRAVIS, drug therapy/ PREDNISOLONE, administration & dosage/ *PREDNISOLONE, therapeutic use/ PREDNISONE, administration & dosage/ *PREDNISONE, therapeutic use/ REMISSION/ THYMECTOMY/ TIME FACTORS

682. **Conte L, Inversini G, Martinenghi C, et al:** Stima della dose annua geneticamente significativa derivante dall'impiego medico-diagnostico dei raggi X nella provincia di Varese. Radiol Med (Torino) 64(10):1140–2, Oct 78 **(Ita)**
BODY BURDEN/ FEMALE/ GONADS, radiation effects/ HUMAN/ ITALY/ MALE/ *RADIATION GENETICS/ RADIATION MONITORING/ *RADIOGRAPHY, adverse effects/ X-RAYS

683. **Conti JC, Strope E, Adams RN, et al:** Voltammetry in brain tissue: chronic recording of stimulated dopamine and 5-hydroxytryptamine release. Life Sci 23(27–28):2705–15, 31 Dec 78
P-CHLOROAMPHETAMINE, pharmacodynamics/ AMPHETAMINE, pharmacodynamics/ ANIMAL/ BRAIN, drug effects/ *BRAIN, metabolism/ CAUDATE NUCLEUS, physiology/ CORPUS STRIATUM, physiology/ DOPAMINE, analysis/ *DOPAMINE, metabolism/ ELECTRIC STIMULATION/ ELECTROCHEMISTRY/ METHODS/ MICROELECTRODES/ NEURAL PATHWAYS, physiology/ RATS/ SEROTONIN, analysis/ *SEROTONIN, metabolism/ SUBSTANTIA NIGRA, physiology/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

684. **Conway-Jones PB, Rothman AH:** Hymenolepis microstoma: ultrastructural localization of adeny cyclase in the tegument. Exp Parasitol 46(2):152–6, Dec 78
*ADENYL CYCLASE, isolation & purification/ ANIMAL/ FEMALE/ HAMSTERS/ *HYMENOLEPIASIS, parasitology/ *HYMENOLEPIS, enzymology/ HYMENOLEPIS, ultrastructure/ MESOCRICETUS

685. **Cook BJ, Holman GM:** Comparative pharmacological properties of muscle function in the foregut and the hindgut of the cockroach Leucophaea maderae. Comp. Biochem Physiol [C] 61 C(2):291–5, 1978
ACTION POTENTIALS, drug effects/ ANIMAL/ *COCKROACHES, physiology/ COMPARATIVE STUDY/ FEMALE/ GLUTAMATES, pharmacodynamics/ IN VITRO/ *INTESTINES, physiology/ MALE/ MUSCLES, innervation/ *MUSCLES, physiology/ OLIGOPEPTIDES, pharmacodynamics/ SEROTONIN, pharmacodynamics/ TYRAMINE, pharmacodynamics

686. **Cook PS:** Childrearing, culture and mental health: exploring an ethological-evolutionary perspective in child psychiatry and preventive mental health with particular reference to two contrasting approaches to early childrearing. Med J Aust 2 Suppl:3–13, 12 Aug 78
ADAPTATION, PSYCHOLOGICAL/ CHILD CARE/ CHILD PSYCHIATRY/ *CHILD REARING/ CHILD, PRESCHOOL/ CULTURE/ DAY CARE/ ECOLOGY/ ETHOLOGY/ EVOLUTION/ FAMILY/ FEMALE/ HUMAN/ INFANT CARE/ INFANT/ INFANT, NEWBORN/ LABOR/ LACTATION/ MENTAL HEALTH/ MOTHER-CHILD RELATIONS/ PARENT-CHILD RELATIONS/ PREGNANCY

687. **Cooke ID:** The current status of infertility surgery. Clin Obstet Gynaecol 5(3):591–606, Dec 78 (99 ref.)
ADHESIONS/ ADNEXAL DISEASES, surgery/ CERVIX UTERI, surgery/ ENDOMETRIOSIS, surgery/ FALLOPIAN TUBES, surgery/ FEMALE/ GENITAL NEOPLASMS, FEMALE, surgery/ HUMAN/ LEIOMYOMA, surgery/ OVARIAN DISEASES, surgery/ OVARY, surgery/ PREGNANCY/ PREGNANCY, ECTOPIC, surgery/ PROSTHESIS/ REVIEW/ *STERILITY, FEMALE, surgery/ UTERUS, surgery

688. **Cooke PH, Poisner AM:** The role of cytoskeleton in adreno-medullary secretion. Methods Achiev Exp Pathol 9:137–46, 1979 (20 ref.)
ADRENAL MEDULLA, secretion/ *ADRENAL MEDULLA, ultrastructure/ ANIMAL/ *CATECHOLAMINES, secretion/ CHROMAFFIN GRANULES, ultrastructure/ CHROMAFFIN SYSTEM, secretion/ *CHROMAFFIN SYSTEM, ultrastructure/ MICROFILAMENTS, physiology/ MICROFILAMENTS, ultrastructure/ MICROTUBULES, physiology/ MICROTUBULES, ultrastructure/ REVIEW

689. **Coombes RC, Ellison ML, Neville AM:** Biochemical markers in bronchogenic carcinoma. Br J Dis Chest 72(4):263–87, Oct 78 (83 ref.)
CALCITONIN, metabolism/ CARCINOEMBRYONIC ANTIGEN, analysis/ CARCINOMA, BRONCHOGENIC, diagnosis/ CARCINOMA, BRONCHOGENIC, immunology/ *CARCINOMA, BRONCHOGENIC, metabolism/ CORTICOTROPIN, metabolism/ ENZYMES, metabolism/ HUMAN/ HYPERCALCEMIA, metabolism/ LUNG NEOPLASMS, diagnosis/ LUNG NEOPLASMS, immunology/ *LUNG NEOPLASMS, metabolism/ NEOPLASM METASTASIS/ PLACENTAL HORMONES, metabolism/ REVIEW/ VASOPRESSINS, metabolism

690. **Cooper BM, Ekstein R:** Borderline adolescent girls in rebellion against the father. Adolesc Psychiatry 6:396–408, 1978
ACTING OUT/ ADOLESCENCE/ CASE REPORT/ DIVORCE/ *FATHER-CHILD RELATIONS/ FEMALE/ HUMAN/ *INDIVIDUATION/ OBJECT ATTACHMENT/ *PERSONALITY DEVELOPMENT/ *PERSONALITY DISORDERS, psychology/ PERSONALITY DISORDERS, therapy/ PUBERTY/ RUNAWAY REACTION

691. **Cooper CW, Bolman RM 3d, Linehan WM, et al:** Interrelationships between calcium, calcemic hormones and gastrointestinal hormones. Recent Prog Horm Res 34:259–83, 1978 (32 ref.)
ANIMAL/ *CALCITONIN, physiology/ CALCIUM, administration & dosage/ *CALCIUM, physiology/ GASTRINS, physiology/ *GASTROINTESTINAL HORMONES, physiology/ GASTROINTESTINAL SYSTEM, physiology/ HUMAN/ PARATHYROID HORMONE, physiology/ PENTAGASTRIN, diagnostic use/ REVIEW/ SOMATOTROPIN RELEASE INHIBITING HORMONE, pharmacodynamics/ THYROID NEOPLASMS, diagnosis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

692. **Cooper P:** Mixed mesodermal tumor and clear cell carcinoma arising in ovarian endometriosis. Cancer 42(6):2827–31, Dec 78
ADENOCARCINOMA, etiology/ *ADENOCARCINOMA, pathology/ CASE REPORT/ ENDOMETRIOSIS, etiology/ *ENDOMETRIOSIS, pathology/ FEMALE/ HUMAN/ MIDDLE AGE/ NEOPLASMS, EMBRYONAL AND MIXED, etiology/ *NEOPLASMS, EMBRYONAL AND MIXED, pathology/ NEOPLASMS, MULTIPLE PRIMARY, etiology/ *NEOPLASMS, MULTIPLE PRIMARY, pathology/ OVARIAN NEOPLASMS, etiology/

*OVARIAN NEOPLASMS, pathology

693. **Corbier P, Roffi J:** Pituitary adrenocortical response to stress during the first day of post-natal life in the rat. Biol Neonate 34(3-4):105-11, 1978
ADRENAL CORTEX, drug effects/ ADRENAL CORTEX, metabolism/ *ADRENAL CORTEX, physiology/ AGE FACTORS/ ANIMAL/ *ANIMALS, NEWBORN, physiology/ CORTICOSTERONE, blood/ *CORTICOSTERONE, metabolism/ CORTICOTROPIN, pharmacodynamics/ CORTICOTROPIN, secretion/ ETHER, ETHYL, pharmacodynamics/ FEMALE/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ MALE/ PITUITARY-ADRENAL SYSTEM, drug effects/ *PITUITARY-ADRENAL SYSTEM, physiology/ RATS/ STRESS

694. **Cordes U, Georgi M, Günther R, et al:** Adrenale und extraadrenale Phäochromozytome. Diagnostik und Lokalisation durch Bestimmung der Plasmakatecholamine. Dtsch Med Wochenschr 104(9):317-23, 2 Mar 79 (Eng. Abstr.) **(Ger)**
ABDOMINAL NEOPLASMS, diagnosis/ ADOLESCENCE/ ADRENAL GLAND NEOPLASMS, blood/ *ADRENAL GLAND NEOPLASMS, diagnosis/ ADULT/ *CATECHOLAMINES, blood/ CATECHOLAMINES, urine/ ENGLISH ABSTRACT/ FEMALE/ GLUCAGON, diagnostic use/ HUMAN/ MALE/ MIDDLE AGE/ PHEOCHROMOCYTOMA, blood/ *PHEOCHROMOCYTOMA, diagnosis/ THORACIC NEOPLASMS, diagnosis/ VANILMANDELIC ACID, urine

695. **Cornett LE, Meizel S:** Stimulation of in vitro activation and the acrosome reaction of hamster spermatozoa by catecholamines. Proc Natl Acad Sci USA 75(10):4954-8, Oct 78
ACROSOME, drug effects/ ADRENAL CORTEX, physiology/ ANIMAL/ *EPINEPHRINE, pharmacodynamics/ HAMSTERS/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ MEDULLA OBLONGATA, physiology/ *NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ *SPERM CAPACITATION, drug effects/ *SPERMATOZOA, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

696. **Cortellaro M, Boschetti C, Fassio G, et al:** A controlled study of the effect of sulfinpyrazone on platelet survival and on platelet-bound 14C-serotonin release in patients with previous myocardial infarction. Acta Haematol (Basel) 61(2):68-74, 1979
ADULT/ AGED/ *BLOOD PLATELETS, drug effects/ CELL SURVIVAL, drug effects/ CHOLESTEROL, blood/ CLINICAL RESEARCH/ FEMALE/ HUMAN/ HYPERLIPEMIA, complications/ LIPOPROTEINS, LDL, blood/ MALE/ MIDDLE AGE/ MYOCARDIAL INFARCTION, blood/ MYOCARDIAL INFARCTION, complications/ *MYOCARDIAL INFARCTION, prevention & control/ PLACEBOS/ RECURRENCE/ *SEROTONIN, metabolism/ *SULFINPYRAZONE, therapeutic use/ TRIGLYCERIDES, blood

697. **Cosgrove PS, Penn RL Jr, Chambers N:** Contraceptive practice after clinic discontinuation. Fam Plann Perspect 10(6):337-40, Nov-Dec 78
ADOLESCENCE/ ADULT/ *CONTRACEPTION/ CONTRACEPTIVES, ORAL/ *FAMILY PLANNING/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ INTRAUTERINE DEVICES, utilization/ OREGON/ *PATIENT DROPOUTS/ SOCIOECONOMIC FACTORS

698. **Costa M, Furness JB:** The sites of action of 5-hydroxytryptamine in nerve-muscle preparations from the guinea-pig small intestine and colon. Br J Pharmacol 65(2):237-48, Feb 79
ANIMAL/ BIGUANIDES, pharmacodynamics/ COLON, drug effects/ FEMALE/ GUINEA PIGS/ ILEUM, drug effects/ IN VITRO/ INTESTINE, SMALL, drug effects/ MALE/ *MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ *NEUROMUSCULAR JUNCTION, drug effects/ RECEPTORS, NICOTINIC, drug effects/ *RECEPTORS, SEROTONIN, drug effects/ SEROTONIN, pharmacodynamics/ TRYPTAMINES, pharmacodynamics/ 2-BROMOLYSERGIC ACID DIETHYLAMIDE, pharmacodynamics

699. **Costa M, Nye JS:** Calcium, asparagine and cAMP are required for ornithine decarboxylase activation in intact Chinese hamster ovary cells. Biochem Biophys Res Commun 85(3):1156-64, 14 Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *ASPARAGINE, pharmacodynamics/ *CALCIUM, pharmacodynamics/ *CARBOXY-LYASES, metabolism/ CELL LINE/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ ENZYME ACTIVATION/ KINETICS/ *ORNITHINE DECARBOXYLASE, metabolism/ PROSTAGLANDINS E, pharmacodynamics/ SPERMIDINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 1-METHYL-3-ISOBUTYLXANTHINE, pharmacodynamics

700. **Costa e Silva A, Albuquerque RH, Santana JP:** Effect of experimental chronic renal failure upon the synthesis of thyroid hormones in rats. Nephron 22(4-6):479-83, 1978
AMINO ACIDS, metabolism/ ANIMAL/ DIIODOTHYRONINES, biosynthesis/ HOMEOSTASIS/ IODOTYROSINE, analogs & derivatives/ IODOTYROSINE, metabolism/ *KIDNEY FAILURE, CHRONIC, metabolism/ MALE/ RATS/ THYROID GLAND, metabolism/ *THYROID HORMONES, biosynthesis/ TOXEMIA, metabolism/ UREMIA, metabolism

701. **Costall B, Hui SC, Metcalf G, et al:** A study of the changes in motor behaviour caused by TRH on intracerebral injection. Eur J Pharmacol 53(2):143-50, 1 Jan 79
ANIMAL/ *BRAIN, drug effects/ CATALEPSY, chemically induced/ CHLORAL HYDRATE, antagonists & inhibitors/ COMPARATIVE STUDY/ DEXTROAMPHETAMINE, pharmacodynamics/ DOPAMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HALOPERIDOL, antagonists & inhibitors/ INJECTIONS, INTRAVENTRICULAR/ MALE/ *MOTOR ACTIVITY, drug effects/ NUCLEUS ACCUMBENS, drug effects/ PENTOBARBITAL, antagonists & inhibitors/ RATS/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics

702. **Costrini R, Barbieri C, Costa G, et al:** Disappearance of oxytocin-induced uterine tiredness by treatment with fructose-1,6-diphosphate. Experimental evidence. Int J Vitam Nutr Res 48(4):411-7, 1978
ADOLESCENCE/ ADULT/ ANIMAL/ CLINICAL RESEARCH/ FEMALE/ *FRUCTOSEDIPHOSPHATES, pharmacodynamics/ *HEXOSEDIPHOSPHATES, pharmacodynamics/ HUMAN/ *LABOR, INDUCED/ *OXYTOCIN, pharmacodynamics/ PREGNANCY/ RATS/ *UTERINE CONTRACTION, drug effects

703. **Cote TE, Epand RM:** Nalpha-trinitrophenyl glucagon: an inhibitor of glucagon-stimulated cyclic AMP production and its effects on glycogenolysis. Biochim Biophys Acta 582(2):295-306, 18 Jan 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ ADENYL CYCLASE, metabolism/ ANIMAL/ *GLUCAGON, analogs & derivatives/ GLUCAGON, pharmacodynamics/ *GLYCOGEN, metabolism/ IN VITRO/ LIVER, drug effects/ LIVER, metabolism/ POTASSIUM, pharmacodynamics/ PROTEIN KINASE, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

704. **Cotoi S, Carasca E, Georgescu C, et al:** Two varieties of the onset of atrial fibrillation studied by monophasic action potential recording. Jpn Heart J 19(4):479-84, Jul 78
ACTION POTENTIALS/ ADULT/ *AURICULAR FIBRILLATION, physiopathology/ CASE REPORT/ ELECTROCARDIOGRAPHY/ HUMAN/ HYPERTHYROIDISM, physiopathology/ MALE/ MIDDLE AGE

705. **Cotter JR, Pierson Pentney RJ:** Retinofugal projections of nonecholocating (Pteropus giganteus) and echolocating (Myotis lucifugus) bats. J Comp Neurol 184(2):381-99, 15 Mar 79
ANIMAL/ BRAIN MAPPING/ BRAIN STEM, anatomy & histology/ *CHIROPTERA, anatomy &

histology/ COMPARATIVE STUDY/ ECHOLOCATION/ GENICULATE BODIES, anatomy & histology/ HYPOTHALAMUS, anatomy & histology/ MESENCEPHALON, anatomy & histology/ SPECIES SPECIFICITY/ SUPERIOR COLLICULUS, anatomy & histology/ THALAMUS, anatomy & histology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VISUAL PATHWAYS, anatomy & histology

706. **Cottrell GA:** Actions of 'Molluscan cardio-excitatory neuropeptide' on identified 5-hydroxytryptamine-containing neurones and their follower neurones in Helix pomatia [proceedings] J Physiol (Lond) 284:130P-131P, Nov 78
ANIMAL/ HELIX (SNAILS)/ MEMBRANE POTENTIALS, drug effects/ *NERVE TISSUE PROTEINS, pharmacodynamics/ NEURONS, drug effects/ *NEURONS, physiology/ *SEROTONIN, physiology

707. **Coulam CB:** Testicular regression syndrome. Obstet Gynecol 53(1):44-9, Jan 79
ADULT/ CASE REPORT/ CELLS, CULTURED/ HUMAN/ KARYOTYPING/ MALE/ MULLERIAN DUCTS, pathology/ NOMENCLATURE/ PHENOTYPE/ SEX CHROMOSOME ABNORMALITIES/ SYNDROME/ *TESTICULAR FEMINIZATION, diagnosis/ TESTIS, abnormalities/ TESTIS, embryology/ TIME FACTORS/ VAGINA, abnormalities/ WOLFFIAN DUCT

708. **Coulam CB, Lackore RC:** Pregnancy associated with the empty sella syndrome and hyperprolactinemia. Fertil Steril 31(2):220-3, Feb 79
ADULT/ AMENORRHEA, etiology/ CASE REPORT/ *EMPTY SELLA SYNDROME, complications/ FEMALE/ HUMAN/ PREGNANCY COMPLICATIONS/ PREGNANCY/ *PROLACTIN, blood/ *STERILITY, FEMALE, drug therapy/ STERILITY, FEMALE, etiology/ *2-BROMOERGOCRYPTINE, therapeutic use

709. **Cove-Smith JR, Knapp MS, Pownall R:** The time of steroid therapy [proceedings] Br J Clin Pharmacol 6(5):465P, Nov 78
*ADRENAL CORTEX HORMONES, administration & dosage/ ADRENAL CORTEX HORMONES, adverse effects/ DRUG ADMINISTRATION SCHEDULE/ HUMAN

710. **Cowden EA, Ratcliffe WA, Ratcliffe JG, et al:** Altered hypothalamic-pituitary function in uraemic patients [proceedings] J Endocrinol 79(2):48P-49P, Nov 78
ADOLESCENCE/ ADULT/ FEMALE/ GONADOTROPINS, PITUITARY, blood/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ LEVODOPA, diagnostic use/ MALE/ METOCLOPRAMIDE, diagnostic use/ MIDDLE AGE/ PROLACTIN, blood/ THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, blood/ *UREMIA, physiopathology/ 2-BROMOERGOCRYPTINE, diagnostic use

711. **Craik JC:** Effects of hypophysectomy on vitellogenesis in the elasmobranch Scyliorhinus canicula L. Gen Comp Endocrinol 36(1):63-7, Sep 78
ANIMAL/ COMPARATIVE STUDY/ *DOGFISH, physiology/ FEMALE/ *HYPOPHYSECTOMY/ *LIPOPROTEINS, biosynthesis/ MALE/ OVARY, physiology/ PHOSPHATES, metabolism/ PHOSPHOPROTEINS, blood/ *SHARKS, physiology/ *VITELLOGENIN, biosynthesis

712. **Cramer H, Renaud B, Billiard M, et al:** Monoaminmetabolite und zyklische Nukleotide des Liquor cerebrospinalis bei Wismut- und Quecksilber-Encephalopathien. Arch Psychiatr Nervenkr 226(3):173-81, 14 Dec 78 (Eng. Abstr.) **(Ger)**
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, cerebrospinal fluid/ ADULT/ *BIOGENIC AMINES, cerebrospinal fluid/ *BISMUTH, poisoning/ *BRAIN DISEASES, cerebrospinal fluid/ CASE REPORT/ DOPAMINE, cerebrospinal fluid/ ENGLISH ABSTRACT/ FEMALE/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, cerebrospinal fluid/ MALE/ *MERCURY POISONING, cerebrospinal fluid/ MIDDLE AGE/ POISONING, cerebrospinal fluid/ PROBENECID, diagnostic use/ SEROTONIN, cerebrospinal fluid

713. **Cranmer JS, Avery DL, Grady RR, et al:** Postnatal endocrine dysfunction resulting from prenatal exposure to carbofuran, diazinon or chlordane. J Environ Pathol Toxicol 2(2):357-69, Nov-Dec 78
ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ANIMAL/ *CARBOFURAN, pharmacodynamics/ *CHLORDAN, pharmacodynamics/ CORTICOSTERONE, blood/ CORTICOSTERONE, metabolism/ *DIAZINON, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ENDOCRINE DISEASES, chemically induced/ ENDOCRINE DISEASES, embryology/ FEMALE/ HALF-LIFE/ *INSECTICIDES, CARBAMATE, pharmacodynamics/ *INSECTICIDES, ORGANOTHIOPHOSPHATE, pharmacodynamics/ LIVER, drug effects/ LIVER, metabolism/ MICE/ PREGNANCY/ UNITED STATES GOV'T SUPPORTED

714. **Cranston WI:** Central mechanisms of fever. Fed Proc 38(1):49-51, Jan 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ARACHIDONIC ACIDS, metabolism/ CALCIUM, metabolism/ CYCLOHEXIMIDE, pharmacodynamics/ *FEVER, physiopathology/ HYPOTHALAMUS, ANTERIOR, physiopathology/ LEUKOCYTES, physiology/ PARASYMPATHOMIMETICS, physiology/ PREOPTIC AREA, physiopathology/ PROSTAGLANDINS E, physiology/ PYROGENS/ SODIUM, metabolism

715. **Cravo MA, Marchesini JB, Chaves Luiz AA, et al:** Infarto enteromesentérico associado a anticoncepcional. AMB 21(5):138-40, May 75 (Eng. Abstr.) **(Por)**
ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ *ESTRADIOL, adverse effects/ FEMALE/ HUMAN/ LEG, blood supply/ *MESENTERIC VASCULAR OCCLUSION, chemically induced/ *NORGESTREL, adverse effects/ PREGNANCY/ THROMBOSIS, chemically induced

716. **Creasman WT, Abu-Ghazaleh S, Schmidt HJ:** Retroperitoneal metastatic spread of ovarian cancer. Gynecol Oncol 6(5):447-50, Oct 78
FEMALE/ HUMAN/ LYMPHATIC METASTASIS, pathology/ NEOPLASM METASTASIS, pathology/ OVARIAN NEOPLASMS, diagnosis/ *OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, therapy/ RETROPERITONEAL NEOPLASMS, diagnosis/ *RETROPERITONEAL NEOPLASMS, pathology/ RETROPERITONEAL NEOPLASMS, therapy

717. **Creasman WT, Fetter BF, Hammond CB, et al:** Germ cell malignancies of the ovary. Obstet Gynecol 53(2):226-30, Feb 79
ANIMAL/ DYSGERMINOMA, mortality/ DYSGERMINOMA, pathology/ DYSGERMINOMA, therapy/ FEMALE/ MESONEPHROMA, mortality/ MESONEPHROMA, pathology/ MESONEPHROMA, therapy/ *NEOPLASMS, EMBRYONAL AND MIXED, therapy/ OVARIAN NEOPLASMS, mortality/ OVARIAN NEOPLASMS, pathology/ *OVARIAN NEOPLASMS, therapy/ TERATOID TUMOR, mortality/ TERATOID TUMOR, pathology/ TERATOID TUMOR, therapy/ UNITED STATES GOV'T SUPPORTED, P.H.S.

718. **Crepin G, Delahousse G, Decocq J, et al:** Dangers des médicaments iodés chez la femme enceinte. Phlebologie 31(3):279-85, Jul-Sep 78 (Eng. Abstr.) **(Fre)**
ADULT/ ASTHMA, drug therapy/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ GOITER, NODULAR, chemically induced/ GOITER, NODULAR, congenital/ HUMAN/ HYPOTHYROIDISM, chemically induced/ *HYPOTHYROIDISM, congenital/ *IODINE, adverse effects/ IODINE, metabolism/ *MATERNAL-FETAL EXCHANGE/ *POTASSIUM IODIDE, adverse effects/ POTASSIUM IODIDE, therapeutic use/ *PREGNANCY COMPLICATIONS, drug therapy/ PREGNANCY/ *RESPIRATORY DISTRESS SYNDROME, etiology

719. **Creutz CE, Pazoles CJ, Pollard HB:** Self-association of synexin in the presence of calcium. Correlation with synexin-induced membrane fusion and examination of the structure of synexin aggregates. J Biol Chem 254(2):553-8, 25 Jan 79

ADRENAL MEDULLA/ *CALCIUM/ *CELL FUSION, drug effects/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, physiology/ MICROSCOPY, ELECTRON/ MODELS, BIOLOGICAL/ PROTEIN CONFORMATION/ *PROTEINS/ PROTEINS, pharmacodynamics/ SCATTERING, RADIATION

720. **Crilly RG, Marshall DH, Nordin BE:** The effect of oestradiol valerate and cyclic oestradiol valerate/DL-norgestrel on calcium metabolism. Postgrad Med J 54(2):47-9, 1978
*CALCIUM, metabolism/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ HYDROXYPROLINE, urine/ MENOPAUSE, drug effects/ *NORGESTREL, pharmacodynamics

721. **Crine P, Gianoulakis C, Seidah NG, et al:** Biosynthesis of beta-endorphin from beta-lipotropin and a larger molecular weight precursor in rat pars intermedia.
Proc Natl Acad Sci USA 75(10):4719-23, Oct 78
AMINO ACIDS, metabolism/ ANIMAL/ CORTICOTROPIN, metabolism/ ELECTROPHORESIS, DISC/ *ENDORPHINS, biosynthesis/ IN VITRO/ *LIPOTROPIN, metabolism/ PEPTIDES, metabolism/ *PITUITARY GLAND, metabolism/ *PROTEIN PRECURSORS, metabolism/ RATS

722. **Crocker EF, Jellins J:** Grey scale ultrasonic examination of the thyroid gland. Med J Aust 2(6):244-8, 9 Sep 78
ADENOMA, diagnosis/ ADULT/ CARCINOMA, PAPILLARY, diagnosis/ CYSTS, diagnosis/ FEMALE/ GOITER, EXOPHTHALMIC, diagnosis/ GOITER, NODULAR, diagnosis/ HUMAN/ MIDDLE AGE/ *THYROID DISEASES, diagnosis/ THYROID NEOPLASMS, diagnosis/ *ULTRASONICS, diagnostic use

723. **Croley TE, Miers C:** Epithelial changes in the oral mucosa resulting from a variation in hormone stimulus.
J Oral Med 33(3):86-9, Jul-Sep 78
ADOLESCENCE/ ADULT/ AGED/ CONTRACEPTIVES, ORAL, pharmacodynamics/ EPITHELIUM, anatomy & histology/ EPITHELIUM, drug effects/ *ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ *MENSTRUATION/ MIDDLE AGE/ *MOUTH MUCOSA, anatomy & histology/ *MOUTH MUCOSA, drug effects/ *PROGESTERONE, pharmacodynamics

724. **Crompton M, Heid I:** The cycling of calcium, sodium, and protons across the inner membrane of cardiac mitochondria.
Eur J Biochem 91(2):599-608, 15 Nov 78
ANIMAL/ BIOLOGICAL TRANSPORT/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ HYDROGEN-ION CONCENTRATION/ *INTRACELLULAR MEMBRANES, metabolism/ *MITOCHONDRIA, HEART, metabolism/ OXYGEN CONSUMPTION/ RATS/ RUBIDIUM, metabolism/ *SODIUM, metabolism/ SUCCINATES, metabolism/ THERMODYNAMICS

725. **Crowley WR, O'Donohue TL, George JM, et al:** Changes in pituitary oxytocin and vasopressin during the estrous cycle and after ovarian hormones: evidence for mediation by norepinephrine. Life Sci 23(26):2579-85, 25 Dec 78
ANIMAL/ *ARGIPRESSIN, metabolism/ CASTRATION/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ *ESTRUS/ FEMALE/ *NOREPINEPHRINE, physiology/ *OXYTOCIN, metabolism/ *PITUITARY GLAND, metabolism/ *PROGESTERONE, pharmacodynamics/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

726. **Crowther ME, Grudzinskas JG, Poulton TA, et al:** Trophoblastic proteins in ovarian carcinoma.
Obstet Gynecol 53(1):59-61, Jan 79
FEMALE/ GLYCOPROTEINS, blood/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ *NEOPLASM PROTEINS, blood/ *OVARIAN NEOPLASMS, blood/ OVARIAN NEOPLASMS, pathology/ PLACENTAL LACTOGEN, blood/ *TROPHOBLAST

727. **Cruess RL, Hong KC:** The long term effect of estrogen administration on the metabolism of male rat bone.
Proc Soc Exp Biol Med 159(3):368-73, Dec 78
ANIMAL/ BODY WEIGHT, drug effects/ *BONE AND BONES, metabolism/ CALCIUM, metabolism/ CASTRATION/ COLLAGEN, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTRADIOL, pharmacodynamics/ HEXOSAMINES, metabolism/ HYDROXYPROLINE, metabolism/ MALE/ PHOSPHATES, blood/ RATS/ TIME FACTORS

728. **Cruz M, Fierro-Benitez R, Vargas J, et al:** Endemic neurological syndromes in the high Andean iodine deficiency region. pp. 366-74.
In: den Hartog Jager, WA, et al., ed. Neurology. Amsterdam, Excerpta Medica, 1978. W3 EX89 no.434 1978.
ADULT/ CHILD, PRESCHOOL/ ECUADOR/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ INTELLIGENCE/ IODINE, administration & dosage/ *IODINE, deficiency/ LANGUAGE DEVELOPMENT/ LANGUAGE DISORDERS, occurrence/ *NERVOUS SYSTEM DISEASES, occurrence/ PREGNANCY/ PROTEIN-CALORIE MALNUTRITION, occurrence/ RURAL HEALTH/ SPEECH DISORDERS, occurrence/ SYNDROME/ UNITED STATES GOV'T SUPPORTED, P.H.S.

729. **Csaba G, Nagy SU, Lantos T:** Cyclic AMP and its functional relationship in Tetrahymena: a comparison between phagocytosis and glucose uptake. Acta Biol Med Ger 37(3):505-7, 1978
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ COMPARATIVE STUDY/ EPINEPHRINE, pharmacodynamics/ *GLUCOSE, metabolism/ *PHAGOCYTOSIS/ PHAGOCYTOSIS, drug effects/ SEROTONIN, pharmacodynamics/ TETRAHYMENA PYRIFORMIS, drug effects/ TETRAHYMENA PYRIFORMIS, metabolism/ *TETRAHYMENA PYRIFORMIS, physiology/ THEOPHYLLINE, pharmacodynamics

730. **Csaba G, Nagy SU:** The binding of 125I-TSH to thyroid cell receptors previously deformed (in neonatal age) by gonadotropin treatment. Biol Neonate 34(5-6):275-7, 1978
AGE FACTORS/ ANIMAL/ *ANIMALS, NEWBORN/ *GONADOTROPINS, pharmacodynamics/ RATS/ *RECEPTORS, HORMONE, drug effects/ THYROID GLAND, cytology/ THYROID GLAND, innervation/ *THYROID GLAND, metabolism/ *THYROTROPIN, metabolism

731. **Csapo AI, Resch B, Csapo EF, et al:** Effects of antiprogesterone on pregnancy. I. Midpregnancy. Am J Obstet Gynecol 133(2):176-83, 15 Jan 79
ADMINISTRATION, ORAL/ ANIMAL/ DRUG SCREENING/ ESTRADIOL, blood/ ESTRADIOL, metabolism/ FEMALE/ *FETAL DEATH, chemically induced/ *FETUS, drug effects/ ISOXAZOLES, administration & dosage/ *ISOXAZOLES, pharmacodynamics/ *OXAZOLES, pharmacodynamics/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ *PREGNANCY, ANIMAL, drug effects/ *PROGESTERONE, antagonists & inhibitors/ PROGESTERONE, blood/ PROGESTERONE, metabolism/ PROSTAGLANDINS F, blood/ PROSTAGLANDINS F, metabolism/ RADIOIMMUNOASSAY/ RATS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTERUS, metabolism

732. **Cuadros JL, Salvatierra V, Comino R, et al:** Estudio histológico de la placenta en relación con su valoración morfológica. Acta Obstet Ginecol Hisp Lusit 26(7):439-49, Oct 78 **(Spa)**
APGAR SCORE/ BIRTH WEIGHT/ FEMALE/ GESTATIONAL AGE/ HUMAN/ *PLACENTA DISORDERS, pathology/ *PLACENTA, ultrastructure/ *PLACENTAL INSUFFICIENCY, pathology/ PREGNANCY

733. **Cudkowicz G, Hochman PS:** Do natural killer cells engage in regulated reactions against self to ensure homeostasis? Immunol Rev 44:13-41, 1979 (104 ref.)
ANIMAL/ BONE MARROW, radiation effects/ CARRAGEENAN, pharmacodynamics/ COMPARATIVE STUDY/ CYTOTOXICITY, IMMUNOLOGIC/ FEMALE/ HOMEOSTASIS/ HYDROCORTISONE, pharmacodynamics/ KILLER CELLS, drug effects/ *KILLER CELLS, immunology/

KILLER CELLS, radiation effects/ LYMPHOCYTES, immunology/ LYMPHOMA, immunology/ MACROPHAGES, immunology/ MALE/ MICE/ MICE, INBRED STRAINS/ NEOPLASMS, EXPERIMENTAL, immunology/ REVIEW/ SPLEEN, cytology/ SPLEEN, immunology/ THYMUS GLAND, cytology/ THYMUS GLAND, immunology/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

734. **Cugini P, Manconi R, Serdoz R, et al:** Kinetic variations of plasma renin and aldosterone during active orthostatism in three subtypes of essential hypertension.
Boll Soc Ital Biol Sper 54(2):116–21, 30 Jan 78
ADOLESCENCE/ ADULT/ *ALDOSTERONE, blood/ FEMALE/ HUMAN/ *HYPERTENSION, blood/ HYPERTENSION, physiopathology/ KINETICS/ MALE/ MIDDLE AGE/ *POSTURE/ *RENIN, blood

735. **Cugini P, Serdoz R, Manconi R, et al:** Effects of furosemide on plasma renin and aldosterone in three subtypes of essential hypertension. Boll Soc Ital Biol Sper 54(2):111–5, 30 Jan 78
ADOLESCENCE/ ADULT/ *ALDOSTERONE, blood/ FEMALE/ *FUROSEMIDE, pharmacodynamics/ HUMAN/ *HYPERTENSION, blood/ HYPERTENSION, drug therapy/ MALE/ MIDDLE AGE/ *RENIN, blood/ TIME FACTORS

736. **Cundy T, Heynen G, Paton S, et al:** Biological activity of endogenous and exogenous calcitonin in patients with osteitis fibrosa and chronic renal failure.
Proc Eur Dial Transplant Assoc 15:524–31, 1978
ALKALINE PHOSPHATASE, blood/ *CALCITONIN, blood/ CALCITONIN, pharmacodynamics/ HUMAN/ HYDROXYCHOLECALCIFEROLS, therapeutic use/ *KIDNEY FAILURE, CHRONIC, blood/ KIDNEY FAILURE, CHRONIC, complications/ *OSTEITIS FIBROSA CYSTICA, blood/ OSTEITIS FIBROSA CYSTICA, complications/ OSTEITIS FIBROSA CYSTICA, drug therapy/ PARATHYROID HORMONE, blood

737. **Cunningham GR:** Medical treatment of the subfertile male.
Urol Clin North Am 5(3):537–48, Oct 78 (62 ref.)
CLOMIPHENE, therapeutic use/ GONADOTROPINS, deficiency/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ IMPOTENCE, etiology/ IMPOTENCE, therapy/ INFECTION, complications/ MALE/ MENOTROPINS, therapeutic use/ *OLIGOSPERMIA, drug therapy/ REVIEW/ STERILITY, MALE, etiology/ TESTOSTERONE, administration & dosage

738. **Curro FA, Greenberg S, Verbeuren TJ, et al:** Interaction between alpha adrenergic and serotonergic activation of canine saphenous veins. J Pharmacol Exp Ther 207(3):936–49, Dec 78
ANIMAL/ COCAINE, pharmacodynamics/ DOGS/ DRUG INTERACTIONS/ HYDROCORTISONE, pharmacodynamics/ IN VITRO/ METHYSERGIDE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ *RECEPTORS, ADRENERGIC, drug effects/ *RECEPTORS, ADRENERGIC, ALPHA, drug effects/ SAPHENOUS VEIN, drug effects/ *SEROTONIN, pharmacodynamics/ TOLAZOLINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VASOCONSTRICTION, drug effects/ *VEINS, drug effects

739. **Curtarelli G, Caldara R, Bierti L, et al:** Effetto di un'unica somministrazione di alcuni farmaci antireumatici sulla gastrinemia e sulla secrezione acida dello stomaco.
Minerva Dietol Gastroenterol 24(2):101–6, Apr–Jun 78 (Eng. Abstr.) **(Ita)**
ADULT/ *ASPIRIN, pharmacodynamics/ CLINICAL RESEARCH/ ENGLISH ABSTRACT/ *GASTRIC JUICE, secretion/ *GASTRINS, blood/ HUMAN/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, pharmacodynamics/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ MALE/ MIDDLE AGE/ PHENYLBUTAZONE, administration & dosage/ *PHENYLBUTAZONE, pharmacodynamics/ SECRETORY RATE, drug effects

740. **Cuthbert JA, Gallagher ND, Turtle JR:** Colonic and oesophageal disturbance in a patient with multiple endocrine neoplasia, type 2b. Aust NZ J Med 8(5):518–20, Oct 78
*ADENOMATOSIS, FAMILIAL ENDOCRINE, complications/ ADRENAL GLAND NEOPLASMS, complications/ ADULT/ BONE AND BONES, abnormalities/ CARCINOMA, complications/ CASE REPORT/ *CONSTIPATION, etiology/ *DEGLUTITION DISORDERS, etiology/ GANGLIONEUROMA, complications/ HUMAN/ INTESTINAL NEOPLASMS, complications/ MALE/ MOUTH MUCOSA/ MOUTH NEOPLASMS, complications/ *NEOPLASMS, MULTIPLE PRIMARY, complications/ NEUROMA, complications/ PHEOCHROMOCYTOMA, complications/ THYROID NEOPLASMS, complications

741. **Cutler EA, Bass J, Romshe CA, et al:** A familial thyrocerebral–renal syndrome: a newly recognized disorder.
Birth Defects 14(6B):265–74, 1978
ADOLESCENCE/ *BRAIN DISEASES, familial & genetic/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ INFANT/ *KIDNEY DISEASES, familial & genetic/ MALE/ SYNDROME/ *THYROID DISEASES, familial & genetic

742. **Cyran W:** Ein neues orales, synthetisches Ostronderivat zur Behandlung klimakterischer Beschwerden. Med Welt 30(10):384–8, 9 Mar 79 **(Ger)**
ADULT/ AGED/ *CLIMACTERIC, drug effects/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DOUBLE-BLIND METHOD/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, SYNTHETIC, pharmacodynamics/ FEMALE/ HUMAN/ MIDDLE AGE

743. **Czeizel E, Tóth J, Eródi E:** A hypospadiasis kóreredetében szerepet játszó környezeti hatások. Orv Hetil 119(51):3127–35, 17 Dec 78 **(Hun)**
ABNORMALITIES, DRUG-INDUCED/ ABNORMALITIES, MULTIPLE/ CHILD/ CHILD, PRESCHOOL/ CRYPTORCHISM, complications/ HUMAN/ HUNGARY/ *HYPOSPADIAS, familial & genetic/ HYPOSPADIAS, occurrence/ HYPOSPADIAS, prevention & control/ MALE/ MATERNAL-FETAL EXCHANGE/ TERATOGENS

744. **Czekalski S, Malczewska B, Sowiński J, et al:** Serum concentration of pituitary, thyroid and gonadal hormones in nondialysed and dialysed males with chronic renal failure.
Proc Eur Dial Transplant Assoc 15:599–600, 1978
ADOLESCENCE/ ADULT/ *HEMODIALYSIS/ HUMAN/ *KIDNEY FAILURE, CHRONIC, blood/ MALE/ *PITUITARY HORMONES, ANTERIOR, blood/ *TESTOSTERONE, blood/ *THYROID HORMONES, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

745. **Czerny B:** Hyperlipoproteinämien im Kindesalter.
Kinderaerztl Prax 46(11):561–9, Nov 78 (34 ref.) **(Ger)**
AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ CHOLESTEROL, blood/ DIABETES MELLITUS, complications/ ELECTROPHORESIS, methods/ FEMALE/ FETAL BLOOD/ GLYCOGENOSIS, complications/ HUMAN/ HYPERLIPEMIA, diagnosis/ HYPERLIPEMIA, etiology/ *HYPERLIPEMIA, familial & genetic/ HYPOTHYROIDISM, complications/ INFANT/ INFANT, NEWBORN/ KIDNEY DISEASES, complications/ LIVER DISEASES, complications/ MALE/ NEOPLASMS, complications/ NORMAL VALUES/ OBESITY, complications/ PANCREATITIS, complications/ REVIEW/ SEX FACTORS/ TRIGLYCERIDES, blood

D

746. **D'Agata R, Scapagnini U:** Effect of bromocriptine (CB-154) on oestrogen-induced prolactin release.
Acta Endocrinol (Copenh) 90(2):193–7, Feb 79
ADULT/ ESTRADIOL, pharmacodynamics/ *ESTROGEN ANTAGONISTS, pharmacodynamics/ FEMALE/ HUMAN/ PROLACTIN, blood/ *PROLACTIN, secretion/ TIME FACTORS/ *2-BROMOERGOCRYPTINE, pharmacodynamics

747. **Dahlöf LG, Hård E, Larsson K:** Sexual differentiation of

offspring of mothers treated with cortisone during pregnancy. Physiol Behav 21(4):673–4, Oct 78
ADRENAL GLANDS, drug effects/ ANIMAL/ *CORTISONE, pharmacodynamics/ FEMALE/ GENITALIA, drug effects/ MALE/ ORGAN WEIGHT, drug effects/ PREGNANCY/ RATS/ *SEX DIFFERENTIATION, drug effects/ TESTIS, drug effects

748. **Daikoku S, Kawano H, Matsumura H, et al:** In vivo and in vitro studies on the appearance of LHRH neurons in the hypothalamus of perinatal rats. Cell Tissue Res 194(3):433–45, 12 Dec 78
ANIMAL/ CELL DIFFERENTIATION/ *HYPOTHALAMUS, cytology/ HYPOTHALAMUS, embryology/ HYPOTHALAMUS, metabolism/ *LH-FSH RELEASING HORMONE, metabolism/ NEURONS, metabolism/ ONTOGENY/ RATS

749. **Daikoku S, Miyata K, Kinutani M:** Effects of testosterone and orchiectomy on the development of gonadotrophs in neonatal rats with hypophysial stalk section. Neuroendocrinology 27(3–4):148–59, 1978
ANIMAL/ *ANIMALS, NEWBORN, physiology/ CASTRATION/ CELL NUMBER/ COMPARATIVE STUDY/ FEMALE/ GONADOTROPINS, PITUITARY, secretion/ *HYPOTHALAMUS, physiology/ MALE/ *PITUITARY GLAND, ANTERIOR, cytology/ PITUITARY GLAND, ANTERIOR, growth & development/ RATS/ *TESTIS, physiology/ *TESTOSTERONE, pharmacodynamics

750. **Dallapiccola B, Pistocchi GF:** Alterazioni scheletriche evocatrici di sindromi da alterazione cromosomica. Radiol Med (Torino) 64(11):1285–6, Nov 78 **(Ita)**
*BONE AND BONES, abnormalities/ BONE AND BONES, radiography/ CASE REPORT/ CHILD/ *CHROMOSOME ABERRATIONS/ FEMALE/ HUMAN/ MALE

751. **Dallapiccola B, Mastroiacovo PP, Pistocchi GF:** Aspetti radiologici della sindrome de trisomia 4p. Radiol Med (Torino) 64(11):1286–8, Nov 78 **(Ita)**
*BONE AND BONES, abnormalities/ BONE AND BONES, radiography/ *CHROMOSOMES, HUMAN, 4–5/ HUMAN/ *TRISOMY

752. **Dallenbach-Hellweg G:** Häufigkeit von Spontanaborten mit und ohne vorherige Einnahme von Ovulationshemmern anhand morphologischer Untersuchungen. Gynaekol Rundsch 18(3–4):213–9, 1978 **(Ger)**
*ABORTION, chemically induced/ COMPARATIVE STUDY/ *CONTRACEPTIVES, ORAL, adverse effects/ *ENDOMETRIUM, drug effects/ ENDOMETRIUM, pathology/ FEMALE/ HUMAN/ *PLACENTA, drug effects/ PLACENTA, pathology/ PREGNANCY/ RETROSPECTIVE STUDIES/ TIME FACTORS

753. **Dallow RL:** Reliability of orbital diagnostic tests: ultrasonography, computerized tomography, and radiography. Ophthalmology (Rochester) 85(11):1218–28, Nov 78
BONE DISEASES, complications/ BONE DISEASES, diagnosis/ BONE DISEASES, radiography/ COMPARATIVE STUDY/ DIAGNOSTIC ERRORS/ EXOPHTHALMOS, etiology/ HUMAN/ *ORBIT/ ORBIT, blood supply/ ORBIT, radiography/ ORBITAL NEOPLASMS, complications/ ORBITAL NEOPLASMS, diagnosis/ ORBITAL NEOPLASMS, radiography/ *TOMOGRAPHY, COMPUTERIZED AXIAL/ *ULTRASONICS, diagnostic use

754. **Damian E, Ianăs O, Bădescu I, et al:** Inhibitory action of pineal extract on LH and FSH. Endocrinologie 16(4):257–62, Oct-Dec 78
ANIMAL/ CASTRATION/ *FSH, blood/ *LH, blood/ MALE/ *PINEAL BODY, physiology/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, physiology/ RATS/ *TISSUE EXTRACTS, pharmacodynamics

755. **D'Amour P, Segre GV, Roth SI, et al:** Analysis of parathyroid hormone and its fragments in rat tissues: chemical identification and microscopical localization. J Clin Invest 63(1):89–98, Jan 79
ANIMAL/ HISTOCYTOCHEMISTRY/ KIDNEY TUBULES, PROXIMAL, metabolism/ *KIDNEY, metabolism/ *LIVER, metabolism/ MALE/ PARATHYROID HORMONE, blood/ *PARATHYROID HORMONE, metabolism/ PEPTIDE FRAGMENTS, metabolism/ RATS/ TIME FACTORS/ TISSUE DISTRIBUTION/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

756. **Danda J:** Lichen ruber. Kritický referát. Cesk Dermatol 53(5):344–9, 1978 (50 ref.) (Eng. Abstr.) **(Cze)**
ADRENAL CORTEX HORMONES, therapeutic use/ ANTIBIOTICS, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ GOLD, therapeutic use/ HUMAN/ *LICHEN PLANUS/ LICHEN PLANUS, diagnosis/ LICHEN PLANUS, pathology/ LICHEN PLANUS, therapy/ RADIOTHERAPY/ REVIEW

757. **Dandona P, Marshall NJ, Bidey SP, et al:** Successful treatment of exophthalmos and pretibial myxoedema with plasmapheresis. Br Med J 1(6160):374–6, 10 Feb 79
ACUTE DISEASE/ CASE REPORT/ FEMALE/ GOITER, EXOPHTHALMIC, complications/ GOITER, EXOPHTHALMIC, immunology/ *GOITER, EXOPHTHALMIC, therapy/ HUMAN/ IGG, analysis/ LEG DERMATOSES, etiology/ *LEG DERMATOSES, therapy/ MIDDLE AGE/ MYXEDEMA, etiology/ *MYXEDEMA, therapy/ *PLASMAPHERESIS

758. **Dang HR, Guraya SS:** Seasonal fluctuations in the testicular asymmetry of birds. Acta Morphol Acad Sci Hung 26(1):1–2, 1978
ANIMAL/ *BIRDS, anatomy & histology/ MALE/ ORGAN WEIGHT/ *SEASONS/ *TESTIS, anatomy & histology

759. **Danguir J, Nicolaidis S:** Sleep and feeding patterns in the ventromedial hypothalamic lesioned rat. Physiol Behav 21(5):769–77, Nov 78
ANIMAL/ *CIRCADIAN RHYTHM/ DIET/ *FEEDING BEHAVIOR, physiology/ FEMALE/ *HYPOTHALAMUS, physiology/ *HYPOTHALAMUS, MEDIAL, physiology/ LIGHT/ RATS/ SATIATION, physiology/ SLEEP STAGES, physiology/ *SLEEP, physiology

760. **Daniel EE, Crankshaw J, Sarna S:** Prostaglandins and tetrodotoxin-insensitive relaxation of opossum lower esophageal sphincter. Am J Physiol 236(2):E153–72, Feb 79
ACTION POTENTIALS/ ANIMAL/ BLACK WIDOW SPIDER/ CARBACHOL, pharmacodynamics/ ESOPHAGOGASTRIC JUNCTION, physiology/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, physiology/ *OPOSSUMS, physiology/ *PROSTAGLANDINS, pharmacodynamics/ SPIDER VENOMS, pharmacodynamics/ *TETRODOTOXIN, pharmacodynamics/ 5,8,11,14-EICOSATETRAYNOIC ACID, pharmacodynamics

761. **Daniels S, Paton WD, Smith EB:** The effects of some hydrophobic gases on the pulmonary surfactant system. Br J Pharmacol 65(2):229–35, Feb 79
ANIMAL/ ATMOSPHERIC PRESSURE/ ATROPINE, pharmacodynamics/ EPHEDRINE, pharmacodynamics/ FLUORIDES, pharmacodynamics/ *GASES, pharmacodynamics/ HYDROCARBONS, FLUORINATED, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ MALE/ MICE/ NITROGEN, pharmacodynamics/ NITROUS OXIDE, pharmacodynamics/ PULMONARY EDEMA, physiopathology/ *PULMONARY SURFACTANT, physiology/ SULFUR, pharmacodynamics/ TIME FACTORS

762. **Danilova KM, Bogdanovich NK:** Znachenie khronicheskoĭ gipoksii i neĭrogormonal'noĭ aktivnosti v patogeneze ishemicheskoĭ bolezni serdtsa. Arkh Patol 40(12):44–51, 1978 (Eng. Abstr.) **(Rus)**
AGED/ *ANOXIA, complications/ ANOXIA, physiopathology/ CHRONIC DISEASE/ COMPARATIVE STUDY/ *CORONARY DISEASE, etiology/ CORONARY DISEASE, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ HEART, physiopathology/ *HORMONES, physiology/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ MALE/ MIDDLE AGE/ MYOCARDIAL INFARCTION, physiopathology/ MYOCARDIUM, pathology/ PITUITARY-ADRENAL SYSTEM, physiopathology

AUTHOR SECTION

763. **Daraż B:** Kliniczne studium oceny sterowania porodem u rodzących z niedokrwistością. Ginekol Pol 49(9):829–30, Sep 78 **(Pol)**
*ANEMIA, physiopathology/ COMPARATIVE STUDY/ FEMALE/ HEMORRHAGE, POSTPARTUM, occurrence/ HUMAN/ *LABOR/ OXYTOCIN, therapeutic use/ *PREGNANCY COMPLICATIONS, HEMATOLOGIC, physiopathology/ PREGNANCY/ TIME FACTORS/ UTERINE CONTRACTION, drug effects

764. **Darlu P, Boussin D:** Etude gémellaire de l'excrétion urinaire de l'acide vanilmandélique, des 17–cétostéroides, des 17–hydroxycorticostéroides et de la créatinine. Arch Int Physiol Biochim 86(4):787–97, Oct 78 (Eng. Abstr.) **(Fre)**
ADOLESCENCE/ ADULT/ COMPARATIVE STUDY/ *CREATININE, urine/ DIURESIS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ STATISTICS/ *TWINS/ TWINS, DIZYGOTIC/ TWINS, MONOZYGOTIC/ *VANILMANDELIC ACID, urine/ *17–HYDROXYCORTICOSTEROIDS, urine/ *17–KETOSTEROIDS, urine

765. **Das UN:** Aetiological aspects of ulcerative colitis [letter] J Assoc Physicians India 26(2):140–1, Feb 78
COLITIS, ULCERATIVE, immunology/ *COLITIS, ULCERATIVE, physiopathology/ HUMAN/ *PROSTAGLANDINS, secretion

766. **Daubresse JC, Meunier JC, Wilmotte J, et al:** Pituitary–testicular axis in diabetic men with and without sexual impotence. Diabete Metab 4(4):233–7, Dec 78
ADULT/ BLOOD SUGAR, metabolism/ COMPARATIVE STUDY/ DIABETES MELLITUS, complications/ *DIABETES MELLITUS, physiopathology/ FSH, blood/ HUMAN/ IMPOTENCE, complications/ *IMPOTENCE, physiopathology/ KINETICS/ LH, blood/ LH–FSH RELEASING HORMONE, diagnostic use/ MALE/ MIDDLE AGE/ *PITUITARY GLAND, physiopathology/ *TESTIS, physiopathology/ TESTOSTERONE, blood

767. **David H, Wilfert K, Günther J, et al:** Ultrastrukturelle und funktionelle Veränderungen des Kaninchenmyokards nach Cholesterolfütterung. Acta Biol Med Ger 37(4):577–91, 1978 (Eng. Abstr.) **(Ger)**
ANIMAL/ CALCIUM, metabolism/ *CHOLESTEROL, pharmacodynamics/ *CHOLESTEROL, DIETARY/ ENGLISH ABSTRACT/ HEART, drug effects/ *HEART, physiology/ LIPIDS, metabolism/ MITOCHONDRIA, HEART, drug effects/ MITOCHONDRIA, HEART, metabolism/ MITOCHONDRIA, HEART, ultrastructure/ *MYOCARDIAL CONTRACTION, drug effects/ MYOCARDIUM, metabolism/ *MYOCARDIUM, ultrastructure/ RABBITS/ SARCOPLASMIC RETICULUM, metabolism

768. **Davidoff M, Schiebler TH:** Uber die Aufnahme von Peroxidase durch aktivierte Nervenzellen des Hypothalamus. Anat Anz 144(3):225–34, 1978 **(Ger)**
ANIMAL/ DEHYDRATION/ *HYPOTHALAMUS, metabolism/ HYPOTHALAMUS, ultrastructure/ *PEROXIDASES, metabolism/ RATS

769. **Davidson BA:** Concentric circle operation for massive gynecomastia to excise the redundant skin. Plast Reconstr Surg 63(3):350–4, Mar 79
ADULT/ AGED/ *BREAST, surgery/ ESTROGENS, adverse effects/ GYNECOMASTIA, chemically induced/ GYNECOMASTIA, familial & genetic/ *GYNECOMASTIA, surgery/ HUMAN/ MALE/ *SKIN, surgery/ *SURGERY, PLASTIC, methods

770. **Davidson JF, Walker ID:** Synthetic fibrinolytic agents. Prog Cardiovasc Dis 21(5):375–96, Mar–Apr 79 (194 ref.)
ANABOLIC STEROIDS, pharmacodynamics/ CATECHOLAMINES, pharmacodynamics/ ENZYME ACTIVATION/ EPINEPHRINE, pharmacodynamics/ FIBRIN, metabolism/ FIBRINOLYSIN, metabolism/ *FIBRINOLYSIS/ FIBRINOLYSIS, drug effects/ *FIBRINOLYTIC AGENTS, pharmacodynamics/ HUMAN/ HYPOGLYCEMIC AGENTS, pharmacodynamics/ NICOTINIC ACIDS, pharmacodynamics/ PLASMINOGEN ACTIVATORS, antagonists & inhibitors/ PLASMINOGEN, metabolism/ REVIEW/ THROMBOSIS, prevention & control/ VASOPRESSINS, pharmacodynamics

771. **Davies IB, Bannister RG, Sever PS, et al:** Fludrocortisone in the treatment of postural hypotension: altered sensitivity to pressor agents [proceedings] Br J Clin Pharmacol 6(5):444P–445P, Nov 78
*BLOOD PRESSURE, drug effects/ DIET/ *FLUDROCORTISONE, therapeutic use/ HUMAN/ *HYPOTENSION, ORTHOSTATIC, drug therapy/ HYPOTENSION, ORTHOSTATIC, physiopathology

772. **Davies P:** Biochemical changes in Alzheimer's disease–senile dementia: neurotransmitters in senile dementia of the Alzheimer's type. Res Publ Assoc Res Nerv Ment Dis 57:153–66, 1979
ACETYLCHOLINE, metabolism/ ACETYLCHOLINESTERASE, metabolism/ AGED/ *ALZHEIMER'S DISEASE, enzymology/ BRAIN, enzymology/ CHOLINE ACETYLTRANSFERASE, metabolism/ *DEMENTIA, PRESENILE, enzymology/ *DEMENTIA, SENILE, enzymology/ DOPAMINE, metabolism/ GLUTAMATE DECARBOXYLASE, metabolism/ GABA, metabolism/ HOMOVANILLIC ACID, metabolism/ HUMAN/ HYDROXYINDOLEACETIC ACID, metabolism/ MIDDLE AGE/ *NEUROHUMORS, metabolism/ NOREPINEPHRINE, metabolism/ RECEPTORS, MUSCARINIC, metabolism/ SEROTONIN, metabolism

773. **Davis G, Poholek R:** Stability of dried blood spots on paper, as used in screening neonates for hypothyroidism. Clin Chem 25(1):24–5, Jan 79
DRUG STABILITY/ HUMAN/ HYPOTHYROIDISM, blood/ *HYPOTHYROIDISM, diagnosis/ INFANT, NEWBORN/ MASS SCREENING/ PAPER/ SPECIMEN HANDLING, methods/ *THYROXINE, blood

774. **Davis GA, Kohl RL:** Biphasic effects of the antiserotonergic methysergide on lordosis in rats. Pharmacol Biochem Behav 9(4):487–91, Oct 78
P–CHLOROPHENYLALANINE, pharmacodynamics/ ANIMAL/ CASTRATION/ DRUG TOLERANCE/ ESTRADIOL, pharmacodynamics/ FEMALE/ *METHYSERGIDE, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ RATS/ *SEX BEHAVIOR, ANIMAL, drug effects/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

775. **Davis JN, Arnett CD, Hoyler E, et al:** Brain alpha–adrenergic receptors: comparison of [3H]WB 4101 binding with norepinephrine–stimulated cyclic AMP accumulation in rat cerebral cortex. Brain Res 159(1):125–35, 22 Dec 78
*ADENOSINE CYCLIC–3',5'–MONOPHOSPHATE, metabolism/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL/ CEREBRAL CORTEX, drug effects/ *CEREBRAL CORTEX, metabolism/ COMPARATIVE STUDY/ *DIOXANES, metabolism/ *DIOXINS, metabolism/ MALE/ *NOREPINEPHRINE, pharmacodynamics/ PHENYL ETHERS, metabolism/ RATS/ *RECEPTORS, ADRENERGIC, metabolism/ RECEPTORS, ADRENERGIC, ALPHA, drug effects/ *RECEPTORS, ADRENERGIC, ALPHA, metabolism/ TRITIUM/ UNITED STATES GOV'T SUPPORTED, P.H.S.

776. **Davis JO, Stephens GA, Freeman RH, et al:** Changes in cardiac output during the development of renal hypertension in sodium–depleted dogs. Clin Sci Mol Med 55 Suppl 4:221s–223s, Dec 78
ANIMAL/ BODY WATER, metabolism/ *CARDIAC OUTPUT/ DOGS/ *HYPERTENSION, RENAL, physiopathology/ *HYPERTENSION, RENOVASCULAR, physiopathology/ NATRIURESIS/ RENIN, blood/ SODIUM, metabolism/ WATER–ELECTROLYTE BALANCE

777. **Davis LG, Sass NL, Manna B, et al:** Gas–liquid chromatographic determination of mono– and diiodotyrosines in serum. Clin Chem 25(2):218–20, Feb 79
BUTYRATES/ CHROMATOGRAPHY, GAS, methods/ DIIODOTYROSINE, analogs & derivatives/ *DIIODOTYROSINE, blood/ FLUOROCARBONS/ HUMAN/ HYPOTHYROIDISM, blood/ INDICATORS AND REAGENTS/ IODOTYROSINE, analogs & derivatives/

*IODOTYROSINE, blood/ OXAZOLES

778. **Davis ME, Akera T, Brody TM:** [D-Alanine2]-methionine enkephalinamide binding to rat brain slices: differences from opiate alkaloid binding and reduction by chronic morphine treatment. Life Sci 23(27-28):2675-80, 31 Dec 78
ANIMAL/ BINDING, COMPETITIVE/ BRAIN, drug effects/ *BRAIN, metabolism/ COMPARATIVE STUDY/ *ENDORPHINS, metabolism/ *ENKEPHALINS, metabolism/ IN VITRO/ MALE/ *MORPHINANS, metabolism/ MORPHINE, metabolism/ *MORPHINE, pharmacodynamics/ NALOXONE, metabolism/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

779. **Davis RI, Corson JM:** Renal metastases from well differentiated follicular thyroid carcinoma: a case report with light and electron microscopic findings. Cancer 43(1):265-8, Jan 79 (21 ref.)
ADENOCARCINOMA, diagnosis/ *ADENOCARCINOMA, ultrastructure/ CASE REPORT/ FEMALE/ HUMAN/ KIDNEY NEOPLASMS, diagnosis/ *KIDNEY NEOPLASMS, ultrastructure/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ NEOPLASM METASTASIS, diagnosis/ NEOPLASM METASTASIS, ultrastructure/ REVIEW/ THYROID NEOPLASMS, diagnosis/ *THYROID NEOPLASMS, ultrastructure/ TIME FACTORS

780. **Dawson AP, Selwyn MJ, Fulton DV:** Inhibition of Ca2+ efflux from mitochondria by nupercaine and tetracaine. Nature 277(5696):484-6, 8 Feb 79
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ BRAIN, ultrastructure/ *CALCIUM, metabolism/ CELL-FREE SYSTEM/ *DIBUCAINE, pharmacodynamics/ *MITOCHONDRIA, drug effects/ MITOCHONDRIA, LIVER, drug effects/ MITOCHONDRIA, LIVER, metabolism/ RATS/ RUTHENIUM RED, pharmacodynamics/ *TETRACAINE, pharmacodynamics

781. **Day DW, Israel JN:** Johanson--Blizzard syndrome. Birth Defects 14(6B):275-87, 1978
CASE REPORT/ DEAFNESS, familial & genetic/ DWARFISM, familial & genetic/ HAIR, abnormalities/ HUMAN/ INFANT/ INFANT, NEWBORN/ *MALABSORPTION SYNDROMES, familial & genetic/ MALE/ MENTAL RETARDATION, familial & genetic/ *NOSE, abnormalities/ PHENOTYPE/ SKIN, abnormalities/ SYNDROME/ *TOOTH ABNORMALITIES, familial & genetic

782. **Day JL, Simpson N, Metcalfe J, et al:** Metabolic consequences of atenolol and propranolol in treatment of essential hypertension. Br Med J 1(6156):77-80, 13 Jan 79
ADULT/ *ATENOLOL, pharmacodynamics/ ATENOLOL, therapeutic use/ BLOOD SUGAR, analysis/ CHOLESTEROL, blood/ FATTY ACIDS, NONESTERIFIED, blood/ GLUCAGON, blood/ HUMAN/ *HYPERTENSION, blood/ HYPERTENSION, drug therapy/ INSULIN, blood/ MALE/ MIDDLE AGE/ *PROPANOLAMINES, pharmacodynamics/ *PROPRANOLOL, pharmacodynamics/ PROPRANOLOL, therapeutic use/ SOMATOTROPIN, blood/ TRIGLYCERIDES, blood

783. **de Azeredo FA, Lust WD, Passonneau JV:** Guanine nucleotide concentrations in vivo in outer segments of dark and light adapted frog retina. Biochem Biophys Res Commun 85(1):293-300, 14 Nov 78
ANIMAL/ DARKNESS/ FROGS/ *GUANINE NUCLEOTIDES, metabolism/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ GUANOSINE DIPHOSPHATE, metabolism/ GUANOSINE TRIPHOSPHATE, metabolism/ LIGHT/ RANA PIPIENS/ *RETINA, metabolism

784. **DeBold JF:** Modification of nuclear retention of [3H]estradiol by cells of the hypothalamus as a function of early hormone experience. Brain Res 159(2):416-20, 29 Dec 78
ANIMAL/ ANIMALS, NEWBORN/ *CELL NUCLEUS, metabolism/ CEREBRAL CORTEX, metabolism/ ESTRADIOL, administration & dosage/ *ESTRADIOL, metabolism/ FEMALE/ HAMSTERS/ *HYPOTHALAMUS, metabolism/ MALE/ MESENCEPHALON, metabolism/ PREOPTIC AREA, metabolism/ PROTEIN BINDING, drug effects/ RECEPTORS, ESTROGEN, drug effects/ RECEPTORS, ESTROGEN, metabolism/ *TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

785. **Debray Q, Caillard V:** L'évolution de la psychiatrie biologique. Deuxième Congrès mondial. Barcelone, 31 août--6 septembre 1978. Nouv Presse Med 7(41):3783-4, 3787, 25 Nov 78 **(Fre)**
CHILD/ CIRCADIAN RHYTHM/ CONGRESSES/ DEPRESSION, therapy/ ELECTROENCEPHALOGRAPHY/ HORMONES, physiology/ HUMAN/ HYPERKINESIS, therapy/ LITHIUM, therapeutic use/ PEPTIDES, physiology/ *PSYCHIATRY, trends/ SCHIZOPHRENIA, diagnosis

786. **Dechene JP:** Anaesthesia for ambulatory surgery. Can Anaesth Soc J 25(6):512-6, Nov 78
ADULT/ ALTHESIN/ AMBULATORY CARE/ *ANESTHESIA, methods/ CHILD/ ENFLURANE/ HUMAN/ OUTPATIENT CLINICS, HOSPITAL/ PREANESTHETIC MEDICATION/ PREOPERATIVE CARE/ QUEBEC/ SURGERY DEPARTMENT, HOSPITAL

787. **Deckardt K, Pujol JF, Belin MF, et al:** Increase of ornithine decarboxylase activity elicited by reserpine in the peripheral and central monoaminergic systems of the rat. Neurochem Res 3(6):745-53, Dec 78
*ADRENAL GLANDS, enzymology/ ANIMAL/ *BRAIN, enzymology/ *CARBOXY-LYASES, biosynthesis/ CEREBRAL CORTEX, enzymology/ ENZYME INDUCTION, drug effects/ HIPPOCAMPUS, enzymology/ LOCUS COERULEUS, enzymology/ MALE/ *ORNITHINE DECARBOXYLASE, biosynthesis/ RAPHE NUCLEI, enzymology/ RATS/ *RESERPINE, pharmacodynamics

788. **Decker JM, Marchalonis JJ:** Molecular events in lymphocyte activation: role of nonhistone chromosomal proteins in regulating gene expression. Contemp Top Mol Immunol 7:365-413, 1978 (251 ref.)
ANIMAL/ CELL DIFFERENTIATION/ CELL MEMBRANE PERMEABILITY/ CHROMATIN, ultrastructure/ *CHROMOSOMAL PROTEINS, NON-HISTONE, physiology/ DNA, genetics/ *LYMPHOCYTE TRANSFORMATION/ *LYMPHOCYTES, physiology/ MEMBRANE LIPIDS, metabolism/ MOLECULAR WEIGHT/ NUCLEOTIDES, CYCLIC, metabolism/ PHOSPHOLIPIDS, metabolism/ PHOSPHOPROTEINS, metabolism/ RECEPTORS, HORMONE, physiology/ REVIEW/ TEMPLATES/ UNITED STATES GOV'T SUPPORTED, P.H.S.

789. **De Clerck F, Van Gorp L, Vanparijs O, et al:** Oxatomide protects Trichinella spiralis infected mice from lethal anaphylaxis. Agents Actions 8(6):568-71, Dec 78
ANAPHYLAXIS, etiology/ *ANAPHYLAXIS, prevention & control/ ANIMAL/ MALE/ MICE/ *PIPERAZINES, pharmacodynamics/ SEROTONIN ANTAGONISTS/ SEROTONIN, toxicity/ *TRICHINOSIS, immunology/ TRICHINOSIS, physiopathology

790. **Declume C, Derache R:** Etude radioisotopique du passage placentaire d'un dérivé carbamate pesticide (sevin) chez la ratte. Toxicol Eur Res 1(2):85-7, Mar 78 (Eng. Abstr.) **(Fre)**
AMNIOTIC FLUID, metabolism/ ANIMAL/ ENGLISH ABSTRACT/ FEMALE/ FETUS, metabolism/ GESTATIONAL AGE/ MATERNAL-FETAL EXCHANGE/ PLACENTA, metabolism/ PREGNANCY/ RATS/ *SEVIN, metabolism/ TIME FACTORS

791. **De Dulanto F, Armijo Moreno M, Díaz Flores L, et al:** Foliculitis pustulosa eosinofílica (síndrome de Ofuji). Med Cutan Iber Lat Am 5(5):323-9, 1977 (Eng. Abstr.) **(Spa)**
ADMINISTRATION, ORAL/ ADOLESCENCE/ BETAMETHASONE 17-VALERATE, administration & dosage/ CASE REPORT/ ENGLISH ABSTRACT/ EOSINOPHILIA, drug therapy/ *EOSINOPHILIA, pathology/ *EPITHELIUM, pathology/ FEMALE/ FOLLICULITIS, drug therapy/ *FOLLICULITIS, pathology/ HUMAN/ OINTMENTS/ PREDNISONE, administration & dosage

792. **Defrance JF, Stanley JC, Marchand JE, et al:** Cholinergic mechanisms and short-term potentiation.

Ciba Found Symp (58):109–26, 1977
ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ *CHOLINERGIC FIBERS, physiology/ ELECTRIC STIMULATION/ EVOKED POTENTIALS, drug effects/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ HIPPOCAMPUS, drug effects/ *HIPPOCAMPUS, physiology/ NEURAL PATHWAYS, drug effects/ NEURAL PATHWAYS, physiology/ NEURAL TRANSMISSION, drug effects/ PHYSOSTIGMINE, pharmacodynamics/ POTASSIUM, pharmacodynamics/ RABBITS/ SEPTUM PELLUCIDUM, drug effects/ *SEPTUM PELLUCIDUM, physiology/ SYNAPSES, drug effects/ THEOPHYLLINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED

793. **De Giuli S, Giovannucci ML:** Sindromi rare da anomalie autosomiche. Radiol Med (Torino) 64(11):1286, Nov 78 **(Ita)**
*AUTOSOME ABNORMALITIES/ AUTOSOME ABNORMALITIES, radiography/ *BONE AND BONES, abnormalities/ BONE AND BONES, radiography/ HUMAN

794. **de Graaf P, Schicht IM, Pauwels EK, et al:** Bone scintigraphy in renal osteodystrophy. J Nucl Med 19(12):1289–96, Dec 78
ADOLESCENCE/ ADULT/ ALKALINE PHOSPHATASE, blood/ BONE AND BONES, pathology/ *BONE AND BONES, radionuclide imaging/ FEMALE/ HEMODIALYSIS/ HUMAN/ HYPERPARATHYROIDISM, pathology/ MALE/ MIDDLE AGE/ OSTEOMALACIA, pathology/ PARATHYROID GLANDS, surgery/ RENAL OSTEODYSTROPHY, pathology/ *RENAL OSTEODYSTROPHY, radionuclide imaging/ SODIUM ETIDRONATE, diagnostic use/ TECHNETIUM, diagnostic use

795. **Dehaye JP, Winand J, Christophe J:** Impairment in calcium uptake in the ob/ob epididymal adipose tissue [proceedings] Ann Endocrinol (Paris) 39(4):341–2, Jul–Aug 78
*ADIPOSE TISSUE, metabolism/ ANIMAL/ *CALCIUM, metabolism/ EPIDIDYMIS/ LIPIDS, metabolism/ MICE/ MICE, INBRED C57BL/ MICE, OBESE/ *OBESITY, metabolism

796. **Dehner LP:** Hepatic tumors in the pediatric age group: a distinctive clinicopathologic spectrum. Perspect Pediatr Pathol 4:217–68, 1978 (150 ref.)
ADENOMA, diagnosis/ CHILD/ CHILD, PRESCHOOL/ DYSGERMINOMA, diagnosis/ HAMARTOMA, diagnosis/ HEMANGIOENDOTHELIOMA, diagnosis/ HEMANGIOMA, CAVERNOUS, diagnosis/ HEPATOMA, diagnosis/ HUMAN/ HYPERPLASIA/ INFANT/ *LIVER NEOPLASMS, diagnosis/ *LIVER, pathology/ LYMPHOMA, diagnosis/ MESENCHYMOMA, diagnosis/ NEOPLASM METASTASIS/ NEPHROBLASTOMA, diagnosis/ NEUROBLASTOMA, diagnosis/ PROGNOSIS/ REVIEW/ RHABDOMYOSARCOMA, diagnosis/ TERATOID TUMOR, diagnosis

797. **Dei Cas L, Prever F, Albertini D, et al:** Su di un grave caso di dispersione gastroenterica irreversibile di proteine. Minerva Dietol Gastroenterol 24(3):279–82, Jul–Sep 78 **(Ita)**
ADULT/ ATELECTASIS, etiology/ CASE REPORT/ DYSGERMINOMA, surgery/ EDEMA, etiology/ HEART FAILURE, CONGESTIVE, etiology/ HUMAN/ LUMBOSACRAL REGION/ LUNG NEOPLASMS/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PERITONEAL NEOPLASMS/ PLEURAL EFFUSION, etiology/ POSTOPERATIVE COMPLICATIONS/ PROTEIN-LOSING ENTEROPATHIES, complications/ *PROTEIN-LOSING ENTEROPATHIES, etiology/ TESTICULAR NEOPLASMS, surgery

798. **Dekel S, Weissman SL:** Joint changes after overuse and peak overloading of rabbit knees in vivo. Acta Orthop Scand 49(6):519–28, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ BIOMECHANICS/ BONE AND BONES, metabolism/ CARTILAGE, ARTICULAR, metabolism/ CARTILAGE, ARTICULAR, physiology/ CARTILAGE, ARTICULAR, ultrastructure/ EQUIPMENT AND SUPPLIES/ FEMALE/ FEMUR, metabolism/ FEMUR, physiology/ FEMUR, ultrastructure/ HINDLIMB/ JOINTS, metabolism/ *JOINTS, physiology/ JOINTS, ultrastructure/ MICROSCOPY, ELECTRON, SCANNING/ MOVEMENT/ PROSTAGLANDINS E, metabolism/ RABBITS/ STRESS, MECHANICAL

799. **de la Chapelle A, Koo GC, Wachtel SS:** Recessive sex-determining genes in human XX male syndrome. Cell 15(3):837–42, Nov 78
ADOLESCENCE/ ADULT/ CASE REPORT/ *GENES, RECESSIVE/ *H-Y ANTIGEN, genetics/ HUMAN/ MALE/ PEDIGREE/ *SEX DIFFERENTIATION DISORDERS, familial & genetic/ SYNDROME/ X CHROMOSOME

800. **de la Fuente JR, Rosenbaum AH:** Psychoendocrinology. Mayo Clin Proc 54(2):109–18, Feb 79 (95 ref.)
AFFECTIVE DISTURBANCES, blood/ *AFFECTIVE DISTURBANCES, physiopathology/ DEPRESSION, blood/ ENDORPHINS, physiology/ HUMAN/ HYDROCORTISONE, blood/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ LH, blood/ MONOAMINE OXIDASE, blood/ *PITUITARY-ADRENAL SYSTEM, physiopathology/ REVIEW/ SOMATOTROPIN, blood/ *THYROID GLAND, physiopathology/ THYROID HORMONES, physiology/ TRYPTOPHAN, metabolism

801. **DeLand M, Fried A, van Nagell JR, et al:** Ultrasonography in the diagnosis of tumors of the ovary. Surg Gynecol Obstet 148(3):346–8, Mar 79
*ADENOCARCINOMA, diagnosis/ ADULT/ *CYSTADENOCARCINOMA, diagnosis/ *CYSTADENOMA, MUCINOUS, diagnosis/ *ENDOMETRIOSIS, diagnosis/ FEMALE/ HUMAN/ LEIOMYOMA, diagnosis/ MIDDLE AGE/ NEOPLASM METASTASIS/ *OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, mortality/ OVARIAN NEOPLASMS, surgery/ *ULTRASONICS, diagnostic use

802. **de Larminat MA, Monsalve A, Charreau EH, et al:** Hormonal regulation of 5alpha-reductase activity in rat epididymis. J Endocrinol 79(2):157–65, Nov 78
ANIMAL/ CASTRATION/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ EPIDIDYMIS, drug effects/ *EPIDIDYMIS, enzymology/ MALE/ *OXIDOREDUCTASES, metabolism/ RATS/ SUBCELLULAR FRACTIONS, enzymology/ *TESTOSTERONE 5-ALPHA-REDUCTASE, metabolism/ TESTOSTERONE, pharmacodynamics

803. **Delbecque JP, Lanzrein B, Bordereau C, et al:** Ecdysone and ecdysterone in physogastric termite queens and eggs of Macrotermes bellicosus and Macrotermes subhyalinus. Gen Comp Endocrinol 36(1):40–7, Sep 78
ANIMAL/ *ECDYSONE, analysis/ *ECDYSTERONE, analysis/ FEMALE/ HEMOLYMPH, analysis/ *INSECTS, analysis/ OVARY, analysis/ *OVUM, analysis

804. **de Leeuw PW, Falke HE, Punt R, et al:** Noradrenaline secretion by the human kidney. Clin Sci Mol Med 55 Suppl 4:85s–87s, Dec 78
AGING/ ALDOSTERONE, blood/ BLOOD PRESSURE/ HUMAN/ HYPERTENSION, blood/ *HYPERTENSION, metabolism/ *KIDNEY, secretion/ NOREPINEPHRINE, blood/ *NOREPINEPHRINE, secretion/ PROPRANOLOL, pharmacodynamics/ RENIN, blood/ SECRETORY RATE, drug effects

805. **de Leeuw PW, Kho TL, Falke HE, et al:** Haemodynamic and endocrinological profile of essential hypertension. Acta Med Scand [Suppl] 622:5–86, 1978
ADULT/ AGE FACTORS/ AGED/ *ALDOSTERONE, blood/ BLOOD PRESSURE/ BLOOD VOLUME/ CARDIAC OUTPUT/ EXTRACELLULAR SPACE/ FEMALE/ FOLLOW-UP STUDIES/ GLOMERULAR FILTRATION RATE/ *HEMODYNAMICS/ HUMAN/ HYPERTENSION, blood/ *HYPERTENSION, physiopathology/ MALE/ MIDDLE AGE/ PLASMA VOLUME/ *RENIN, blood/ URODYNAMICS/ VASCULAR RESISTANCE

806. **Del Forno C, Giannetti A, Orecchia G:** Chronic bullous dermatosis of childhood. Acta Derm Venereol (Stockh) 59(2):178–80, 1979
ADRENAL CORTEX HORMONES, therapeutic use/ CASE REPORT/ CHILD, PRESCHOOL/ CHRONIC DISEASE/ DAPSONE, therapeutic use/ DERMATITIS HERPETIFORMIS, pathology/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ INTESTINAL MUCOSA, pathology/ JEJUNUM, pathology/ MALE/ PEMPHIGUS, pathology/ *SKIN DISEASES, BULLOUS/ SKIN DISEASES, BULLOUS, drug therapy/ SKIN DISEASES, BULLOUS, pathology/ SKIN, pathology

807. **DeLisa JA, Stolov WC, Troupin AS:** Action myoclonus following acute cerebral anoxia. Arch Phys Med Rehabil 60(1):32–6, Jan 79
ACUTE DISEASE/ CASE REPORT/ *CEREBRAL ANOXIA, complications/ CLONAZEPAM, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ MYOCLONUS, drug therapy/ *MYOCLONUS, etiology/ MYOCLONUS, rehabilitation/ SEROTONIN, therapeutic use

808. **Delitala G, Stubbs WA, Yeo T, et al:** Failure of cimetidine to antagonise dopamine-induced suppression of prolactin in vitro. Br J Clin Pharmacol 7(1):117–9, Jan 79
ANIMAL/ *CIMETIDINE, pharmacodynamics/ *DOPAMINE, antagonists & inhibitors/ DOPAMINE, pharmacodynamics/ FEMALE/ *GUANIDINES, pharmacodynamics/ IN VITRO/ PITUITARY GLAND, metabolism/ *PROLACTIN, metabolism/ RATS/ TIME FACTORS

809. **Del Rio A, Rico H, Carrera F, et al:** Metacarpal cortical thickness in uremic patients on regular hemodialysis. Nephron 22(4–6):354–60, 1978
ADOLESCENCE/ ADULT/ FEMALE/ *HEMODIALYSIS/ HUMAN/ KIDNEY FAILURE, CHRONIC, pathology/ MALE/ *METACARPUS, pathology/ MIDDLE AGE/ RENAL OSTEODYSTROPHY, pathology/ TIME FACTORS/ *UREMIA, pathology/ UREMIA, therapy

810. **Del Valle JA, Greengard O:** Isoenzyme composition of hepatic phenylalanine hydroxylase in developing rats after treatment with cortisol, alpha-methylphenylalanine and p-chlorophenylalanine in vivo. Biochem Med 20(2):247–55, Oct 78
*P-CHLOROPHENYLALANINE, pharmacodynamics/ AGING/ ANIMAL/ ANIMALS, NEWBORN/ FETUS/ *HYDROCORTISONE, pharmacodynamics/ *ISOENZYMES, metabolism/ LIVER, drug effects/ *LIVER, enzymology/ LIVER, growth & development/ MALE/ *PHENYLALANINE HYDROXYLASE, metabolism/ *PHENYLALANINE, analogs & derivatives/ PHENYLALANINE, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

811. **Delwaide PJ, Schoenen J:** Hyperthyroidism as a cause of persistent choreic movements. Acta Neurol Scand 58(5):309–12, Nov 78
CASE REPORT/ *CHOREA, etiology/ ELECTROMYOGRAPHY/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, complications/ MIDDLE AGE

812. **De Matteis F, Placidi S, Biasini G, et al:** La funzionalità beta-pancreatica in alcuni tipi di nanismo.
Boll Soc Ital Biol Sper 54(2):173–9, 30 Jan 78 **(Ita)**
ARGININE, pharmacodynamics/ DWARFISM, classification/ *DWARFISM, physiopathology/ GLUCOSE, pharmacodynamics/ HUMAN/ INSULIN, blood/ *INSULIN, secretion/ *ISLANDS OF LANGERHANS, physiopathology/ SOMATOTROPIN, blood

813. **Demidov VP, Ol'shanskiĭ VO, Likhoradova LF:** O pokazaniiakh k povtornym operatsiiam pri rake shchitovidnoĭ zhelezy.
Vopr Onkol 24(12):69–73, 1978 (Eng. Abstr.) **(Rus)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IODINE RADIOISOTOPES/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *NEOPLASM RECURRENCE, LOCAL, surgery/ PALPATION/ THYROID GLAND, radionuclide imaging/ THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, radionuclide imaging/ *THYROID NEOPLASMS, surgery/ THYROIDECTOMY, methods/ TIME FACTORS

814. **Demidov VP, Ol'shanskiĭ VO, Likhoradova LF:** O retsidivakh raka shchitovidnoĭ zhelezy. Vopr Onkol 24(11):53–8, 1978 (Eng. Abstr.) **(Rus)**
ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *NEOPLASM RECURRENCE, LOCAL, etiology/ NEOPLASM RECURRENCE, LOCAL, therapy/ *POSTOPERATIVE COMPLICATIONS, etiology/ *THYROID NEOPLASMS, etiology/ THYROID NEOPLASMS, therapy/ THYROIDECTOMY, adverse effects/ TIME FACTORS

815. **Denlinger DL, Chaudhury MF, Dhadialla TS:** Cyclic AMP is a likely mediator of ovulation in the tsetse fly.
Experientia 34(10):1296–7, 15 Oct 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ AMINOPHYLLINE, pharmacodynamics/ ANIMAL/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ *NUCLEOTIDES, CYCLIC, pharmacodynamics/ OVARY, physiology/ OVULATION, drug effects/ STIMULATION, CHEMICAL/ *TSETSE FLIES, physiology

816. **Dennerstein L, Wood C, Hudson B, et al:** Clinical features and plasma hormone levels after surgical menopause.
Aust NZ J Obstet Gynaecol 18(3):202–5, Aug 78
ADULT/ AGE FACTORS/ *CASTRATION/ CLIMACTERIC/ *ESTRADIOL, blood/ ESTRADIOL, deficiency/ FEMALE/ *FSH, blood/ HEADACHE, etiology/ HUMAN/ *LH, blood/ *MENOPAUSE/ MIDDLE AGE/ PRURITUS VULVAE, etiology/ *TESTOSTERONE, blood

817. **Denoroy L, Fourniere S, Vincent M, et al:** Phenylethanolamine-N-methyltransferase and dopamine-beta-hydroxylase alterations in young spontaneously hypertensive rats. Brain Res 162(1):184–7, 16 Feb 79
ADRENAL MEDULLA, enzymology/ ADRENERGIC FIBERS, enzymology/ ANIMAL/ BRAIN, enzymology/ *DOPAMINE BETA-HYDROXYLASE, metabolism/ GANGLIA, SPINAL, enzymology/ *HYPERTENSION, enzymology/ HYPOTHALAMUS, enzymology/ MALE/ MEDIAN FOREBRAIN BUNDLE, enzymology/ *PHENETHANOLAMINE N-METHYLTRANSFERASE, metabolism/ RAPHE NUCLEI, enzymology/ RATS/ SPECIES SPECIFICITY

818. **Deodhar SD, Mehendale VG, Bhave GG:** Renal cell carcinoma with unusual metastases: (a case report). J Postgrad Med 24(1):54A, 54B, 55–7, Jan 78
*ADENOCARCINOMA, pathology/ *ADRENAL GLAND NEOPLASMS, pathology/ CASE REPORT/ HUMAN/ *KIDNEY NEOPLASMS, pathology/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS

819. **Deodhare SG, Siddiqui HM:** Case report: extra medullary haemopoiesis simulating tumour without apparent cause.
Indian J Pathol Microbiol 21(2):181–3, Apr 78
*ADRENAL GLAND NEOPLASMS, diagnosis/ BONE MARROW, cytology/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ *HEMATOPOIESIS/ HUMAN/ MALE/ MIDDLE AGE

820. **DePaoli-Roach AA, Villar-Palasi C, Bergamini E:** Effect of denervation on muscle glycogen synthase kinase activity.
Exp Neurol 62(2):494–6, Nov 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ HYDROGEN-ION CONCENTRATION/ MALE/ *MUSCLE DENERVATION/ *MUSCLES, enzymology/ *PROTEIN KINASE, metabolism/ RATS

821. **Department of Pathology, Holy Name Hospital, Teaneck, NJ.:** Oxalosis in hemodialysis patients: a pathologic study of 80 cases. Arch Pathol Lab Med 103(2):58–62, Feb 79
ADOLESCENCE/ ADULT/ AGED/ FEMALE/ *HEMODIALYSIS/ HEMODIALYSIS, adverse effects/ HISTOCYTOCHEMISTRY/ HUMAN/ KIDNEY FAILURE, CHRONIC, pathology/ KIDNEY FAILURE, CHRONIC, therapy/ KIDNEY, metabolism/ KIDNEY, pathology/ MALE/ METABOLIC DISEASES, etiology/ *METABOLIC DISEASES, pathology/ MIDDLE AGE/ MYOCARDIUM, pathology/ *OXALATES, metabolism/ THYROID GLAND, pathology

822. **Deplante JP, Daumont A, Bouvier M, et al:** Traitement de la maladie de Paget par thyrocalcitonine de saumon. 8 observations. Nouv Presse Med 7(41):3753–6, 25 Nov 78 (Eng. Abstr.) **(Fre)**
ALKALINE PHOSPHATASE, blood/ ANIMAL/ CALCITONIN, adverse effects/ CALCITONIN, pharmacodynamics/ *CALCITONIN, therapeutic use/ CALCIUM, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROXYPROLINE, urine/ MALE/ MIDDLE AGE/ *OSTEITIS DEFORMANS, drug therapy/ PHOSPHORUS, metabolism/ SALMON

823. **Deporter DA, Dunn CJ, Willoughby DA:** Cyclic adenosine 3', 5'-monophosphate and the mechanism of action of three common anti-inflammatory drugs. Br J Pharmacol 65(2):163–5, Feb 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ ANIMAL/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ COLCHICINE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ INDOMETHACIN, pharmacodynamics/ LEUKOCYTES, drug effects/ LEUKOCYTES, metabolism/ MALE/ PLEURISY, chemically induced/ PLEURISY, metabolism/ PYROPHOSPHATES, pharmacodynamics/ RATS/ TIME FACTORS

824. **Dequattro V, Eide I, Myers MR, et al:** Enhanced hypothalamic noradrenaline biosynthesis in Goldblatt I renovascular hypertension. Clin Sci Mol Med 55 Suppl 4:109s–111s, Dec 78
ANIMAL/ DOPAMINE BETA-HYDROXYLASE, metabolism/ *HYPERTENSION, RENAL, metabolism/ *HYPERTENSION, RENOVASCULAR, metabolism/ HYPERTENSION, RENOVASCULAR, physiopathology/ *HYPOTHALAMUS, metabolism/ MALE/ NEPHRECTOMY/ *NOREPINEPHRINE, biosynthesis/ RATS/ SYMPATHETIC NERVOUS SYSTEM, physiopathology/ TYROSINE HYDROXYLASE, metabolism

825. **Derkx FH, Verhoeven RP, Wenting GJ, et al:** Renal release of active and inactive renin in essential and renovascular hypertension. Clin Sci Mol Med 55 Suppl 4:129s–132s, Dec 78
DIAZOXIDE, therapeutic use/ ENZYME ACTIVATION/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERTENSION, drug therapy/ *HYPERTENSION, metabolism/ *HYPERTENSION, RENAL, metabolism/ *HYPERTENSION, RENOVASCULAR, metabolism/ *KIDNEY, metabolism/ *RENIN, metabolism

826. **Derrien JP, Dedet JP, Vedy J, et al:** Généralisation et cancérisation, sous corticothérapie, d'une leishmaniose cutanéo-muqueuse (à propos d'un cas observé au Tchad). Med Trop (Mars) 38(4):447–51, Jul–Aug 78 (Eng. Abstr.) **(Fre)**
*ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ IMMUNITY, CELLULAR, drug effects/ IMMUNOLOGIC DEFICIENCY SYNDROMES, immunology/ *LEISHMANIASIS, MUCOCUTANEOUS, complications/ LEISHMANIASIS, MUCOCUTANEOUS, drug therapy/ LEISHMANIASIS, MUCOCUTANEOUS, immunology/ *LEISHMANIASIS, VISCERAL, etiology/ MALE/ MEGLUMINE, therapeutic use/ *NASOPHARYNGEAL NEOPLASMS, etiology/ NASOPHARYNGEAL NEOPLASMS, pathology/ NOSE, pathology/ PENTAMIDINE, therapeutic use/ *SARCOMA, RETICULUM CELL, etiology/ SARCOMA, RETICULUM CELL, pathology

827. **Desaga JF, Stössel B, Hundhausen T, et al:** Cortison-resistente Lymphocyten: Eine phänotypisch und funktionell distinkte T-Subpopulation beim Menschen.
Verh Dtsch Ges Inn Med (84):199–200, 1978 **(Ger)**
HUMAN/ LYMPHOCYTE TRANSFORMATION, drug effects/ MYOCARDIAL INFARCTION, drug therapy/ *PREDNISOLONE, therapeutic use/ *T-LYMPHOCYTES, drug effects

828. **Desaulles E, Schwartz J:** A comparative study of the action of frusemide and methyclothiazide on renin release by rat kidney slices and the interaction with indomethacin.
Br J Pharmacol 65(2):193–6, Feb 79
ANIMAL/ COMPARATIVE STUDY/ DRUG INTERACTIONS/ *FUROSEMIDE, pharmacodynamics/ IN VITRO/ *INDOMETHACIN, pharmacodynamics/ KIDNEY, drug effects/ *KIDNEY, enzymology/ MALE/ *METHYCLOTHIAZIDE, pharmacodynamics/ RATS/ *RENIN, metabolism

829. **Descuns P, Lajat Y, Resche F, et al:** Bilan postopératoire (ophtalmologique et endocrinien) d'une série d'adénomes hypophysaires. Rev Otoneuroophtalmol 50(4):343–52, Jul–Sep 78 **(Fre)**
ACROMEGALY, etiology/ *ADENOMA, complications/ ADULT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PITUITARY NEOPLASMS, complications/ *PROLACTIN, secretion/ *SOMATOTROPIN, secretion/ *VISION TESTS/ VISUAL ACUITY/ VISUAL FIELDS

830. **De Simoni M, Pertosa M, Tosi G:** L'impiego di schermi ad alto fattore di rinforzo nella radiodiagnostica ostetrico-ginecologica. Radiol Med (Torino) 64(10):1162–4, Oct 78 **(Ita)**
ADULT/ FEMALE/ *FETUS, radiography/ FETUS, radiation effects/ *GENITAL DISEASES, FEMALE, radiography/ GONADS, radiation effects/ HUMAN/ HYSTEROSALPINGOGRAPHY, instrumentation/ *PELVIMETRY, instrumentation/ *PLACENTA, radiography/ PREGNANCY/ *RADIATION PROTECTION/ *RADIOGRAPHY, instrumentation

831. **Deskin R, Rosenstein L, Rogers N, et al:** Parathion toxicity in perinatal rats born to spontaneously hypertensive dams. J Environ Pathol Toxicol 2(2):291–300, Nov–Dec 78
ANIMAL/ *ANIMALS, NEWBORN, physiology/ ASPARTATE AMINOTRANSFERASE, blood/ CHOLINESTERASE INHIBITORS/ CREATINE KINASE, blood/ ERYTHROCYTES, enzymology/ FEMALE/ *HYPERTENSION, physiopathology/ LACTATION/ LEUKOCYTE COUNT/ MATERNAL-FETAL EXCHANGE/ ORGAN WEIGHT, drug effects/ *PARATHION, toxicity/ PREGNANCY/ RATS/ RENIN, blood

832. **de Sousa RC:** Towards a molecular definition of mechanisms and pathways of membrane transport. J Membr Biol 40 Spec No:347–54, 1978 (38 ref.)
ALDOSTERONE, pharmacodynamics/ *BIOLOGICAL TRANSPORT, ACTIVE/ BLADDER, metabolism/ BLADDER, ultrastructure/ *CELL MEMBRANE, metabolism/ EPITHELIUM, metabolism/ EPITHELIUM, ultrastructure/ *MODELS, BIOLOGICAL/ REVIEW/ SKIN, metabolism/ SKIN, ultrastructure/ SODIUM, metabolism/ THERMODYNAMICS/ VASOPRESSINS, pharmacodynamics

833. **De Spada EF, Dahl V, Bergadá C:** Función corticosuprarrenal durante la administración discontinua de triamcinolona. Medicina (B Aires) 38(5):502–6, Sep–Oct 78 (Eng. Abstr.) **(Spa)**
ADRENAL CORTEX, physiology/ *ADRENAL GLANDS, drug effects/ CLINICAL RESEARCH/ ENGLISH ABSTRACT/ HUMAN/ TRIAMCINOLONE, administration & dosage/ *TRIAMCINOLONE, pharmacodynamics/ 17-HYDROXYCORTICOSTEROIDS, urine

834. **Despodova Ts, Marovski S:** Adrenokortikotropna i steroidna sekretsiia pri khirzutichni bremenni s khabitualni aborti. Akush Ginekol (Sofiia) 17(6):417–23, 1978 (Eng. Abstr.) **(Bul)**
ABORTION, HABITUAL, drug therapy/ *ABORTION, HABITUAL, physiopathology/ *ADRENAL CORTEX HORMONES, secretion/ ADULT/ DELAYED-ACTION PREPARATIONS/ DEXAMETHASONE, therapeutic use/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ ESTROGENS, therapeutic use/ FEMALE/ HIRSUTISM, drug therapy/ *HIRSUTISM, physiopathology/ HUMAN/ PREGNANCY COMPLICATIONS, drug therapy/ *PREGNANCY COMPLICATIONS, physiopathology/ PREGNANCY/ PROGESTERONE, therapeutic use/ *SEX HORMONES, secretion

835. **Devlamynck S, Rossazza C, Jan M, et al:** Complications oculaires survenues après pose d'une sonde à ballonnet de Fogarty pour fistule carotido-caverneuse.
Rev Otoneuroophtalmol 50(4):409–12, Jul–Sep 78 **(Fre)**
*ARTERIOVENOUS FISTULA, surgery/ *CAROTID ARTERY DISEASES, surgery/ CAROTID ARTERY, INTERNAL/ CASE REPORT/ *CATHETERIZATION, adverse effects/

*CAVERNOUS SINUS/ CEREBROVASCULAR DISORDERS, complications/ CEREBROVASCULAR DISORDERS, surgery/ *EXOPHTHALMOS, etiology/ HUMAN/ MALE/ MIDDLE AGE/ *POSTOPERATIVE COMPLICATIONS

836. **Devynck MA, Pernollet MG, Macdonald GJ, et al:** Alterations of adrenal and uterine angiotensin II receptors during variation of sodium intake and/or experimental hypertension. Clin Sci Mol Med 55 Suppl 4:171S–174S, Dec 78
*ADRENAL GLANDS, metabolism/ ANGIOTENSIN II, metabolism/ ANIMAL/ DESOXYCORTICOSTERONE/ FEMALE/ HYPERTENSION, etiology/ *HYPERTENSION, metabolism/ MYOMETRIUM, metabolism/ RATS/ *RECEPTORS, ANGIOTENSIN, metabolism/ *RECEPTORS, HORMONE, metabolism/ RENIN, blood/ SODIUM CHLORIDE/ *UTERUS, metabolism

837. **de Wardener HE:** Mechanisms influencing urinary sodium excretion. pp. 179–90.
In: Dickinson CJ, Marks J, ed. Developments in cardiovascular medicine. Lancaster, Eng., MTP Press, 1978. WG 100.3 D489 1978.
ABSORPTION/ ANIMAL/ BLOOD VOLUME/ DESOXYCORTICOSTERONE, pharmacodynamics/ GLOMERULAR FILTRATION RATE/ KIDNEY GLOMERULUS, physiology/ KIDNEY TUBULES, COLLECTING, physiology/ KIDNEY TUBULES, PROXIMAL, physiology/ KIDNEY, blood supply/ *KIDNEY, physiology/ LOOP OF HENLE, physiology/ MONOGRAPH/ RATS/ SODIUM, physiology/ *SODIUM, urine

838. **de Wied D, Bohus B:** Modulation of memory processes by neuropeptides of hypothalamic–neurohypophyseal origin. pp. 139–49.
In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978. (56 ref.)
ANIMAL/ AVOIDANCE LEARNING, drug effects/ BEHAVIOR, ANIMAL, drug effects/ BRAIN CHEMISTRY, drug effects/ *BRAIN, drug effects/ BRAIN, physiology/ DOPAMINE, physiology/ *MEMORY, drug effects/ MEMORY, physiology/ MONOGRAPH/ NOREPINEPHRINE, metabolism/ NOREPINEPHRINE, physiology/ OXYTOCIN, pharmacodynamics/ OXYTOCIN, physiology/ *PITUITARY HORMONES, POSTERIOR, pharmacodynamics/ PITUITARY HORMONES, POSTERIOR, physiology/ RATS/ RECALL, drug effects/ RECALL, physiology/ REVIEW/ STRUCTURE-ACTIVITY RELATIONSHIP/ VASOPRESSINS, pharmacodynamics/ VASOPRESSINS, physiology/ VASOTOCIN, pharmacodynamics/ VASOTOCIN, physiology

839. **de Zeeuw D, Donker AJ, van Herk G, et al:** Nephroptosis and kidney function. Nephron 22(4–6):366–73, 1978
ADULT/ BLOOD PRESSURE/ FEMALE/ GLOMERULAR FILTRATION RATE/ HUMAN/ HYPERTENSION, etiology/ *KIDNEY DISEASES, physiopathology/ KIDNEY, blood supply/ *KIDNEY, physiopathology/ MALE/ POSTURE/ REGIONAL BLOOD FLOW/ RENIN, blood

840. **Diachuk IA, Kurko VS, Otenko NP:** Uroven' properdina v syvorotke krovi bol'nykh tireotoksikozom. Klin Khir (12):15–7, Dec 78 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, surgery/ MALE/ MIDDLE AGE/ *PROPERDIN, analysis

841. **Diamond F:** High-risk pregnancy screening techniques: a nursing overview. JOGN Nurs 7(6):15–20, Nov–Dec 78
*ABORTION, THREATENED, nursing/ AMNIOCENTESIS/ ESTRIOL, urine/ FEMALE/ *FETAL MONITORING, methods/ FETAL MONITORING, nursing/ HEART RATE/ HUMAN/ LABOR COMPLICATIONS, prevention & control/ PLACENTAL INSUFFICIENCY, diagnosis/ PREGNANCY/ ULTRASONICS, diagnostic use

842. **Di Carlo F, Rebonni C, Conti G, et al:** Changes in the concentration of uterine cytoplasmic oestrogen receptors induced by doxorubicin and methotrexate. J Endocrinol 79(2):201–8, Nov 78
ANIMAL/ CYTOPLASM, drug effects/ CYTOPLASM, metabolism/ *DOXORUBICIN, pharmacodynamics/ ESTRADIOL, metabolism/ ESTRADIOL, pharmacodynamics/ FEMALE/ IN VITRO/ *METHOTREXATE, pharmacodynamics/ RATS/ RECEPTORS, ESTROGEN, drug effects/ *RECEPTORS, ESTROGEN, metabolism/ UTERUS, drug effects/ *UTERUS, metabolism

843. **Dickerson JWT:** Some adverse effects of drugs on nutrition. R Soc Health J 98(6):261–5, 274, Dec 78
ALCOHOL, ETHYL, adverse effects/ ANTICONVULSANTS, adverse effects/ APPETITE DEPRESSANTS, adverse effects/ ASCORBIC ACID, adverse effects/ CONTRACEPTIVES, ORAL, adverse effects/ *DRUG THERAPY, adverse effects/ HUMAN/ *NUTRITION, drug effects

844. **Dickhoff WW, Folmar LC, Gorbman A:** Changes in plasma thyroxine during smoltification of coho salmon, Oncorhynchus kisutch. Gen Comp Endocrinol 36(2):229–32, Oct 78
ANIMAL/ *SALMON, growth & development/ SEASONS/ *THYROXINE, blood

845. **Dickson JG, Malan PG, Ekins RP:** Association of actin with thyroid lysosomes [proceedings] J Endocrinol 79(2):58P–59P, Nov 78
*ACTIN, analysis/ ANIMAL/ CATTLE/ LYSOSOMES, analysis/ *THYROID GLAND, analysis

846. **Diczfalusy E:** Reproductive endocrinology and the merry post-war period. The Sir Henry Dale lecture for 1978. J Endocrinol 79(2):3P–17P, Nov 78
ALKALINE PHOSPHATASE, physiology/ CONTRACEPTIVE AGENTS, FEMALE, history/ *ENDOCRINOLOGY, history/ ESTROGENS, physiology/ FEMALE/ FETUS, physiology/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ PLACENTA, physiology/ PREGNANCY/ *REPRODUCTION/ SEX HORMONES, physiology/ SWEDEN

847. **(Diczfalusy E),** The Dale Medallist 1978. J Endocrinol 79(2):1P, Nov 78
CURRENT BIOG-OBIT/ ENDOCRINOLOGY/ REPRODUCTION/ SWEDEN

848. **Diebold GJ, Karny N, Zare RN:** Determination of zearalenone in corn by laser fluorimetry. Anal Chem 51(1):67–9, Jan 79
CHROMATOGRAPHY/ *CORN, analysis/ FLUORESCENCE/ LASERS/ *RESORCINOLS, analysis/ *ZEARALENONE, analysis

849. **Diehl BJ:** Occurrence and regional distribution of calcareous concretions in the rat pineal gland. Cell Tissue Res 195(2):359–66, 28 Dec 78
AGING/ ANIMAL/ *CALCIUM, analysis/ HISTOCYTOCHEMISTRY/ MALE/ *PINEAL BODY, anatomy & histology/ PINEAL BODY, analysis/ RATS

850. **Dietz R, Wilhelm HJ:** Therapie desprimären 'oat-cell'-Karzinoms des Larynx.
Laryngol Rhinol Otol (Stuttg) 57(12):1072–6, Dec 78 (Eng. Abstr.) **(Ger)**
ADULT/ CARCINOMA, OAT CELL, radiography/ CARCINOMA, OAT CELL, surgery/ *CARCINOMA, OAT CELL, therapy/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LARYNGEAL NEOPLASMS, radiography/ LARYNGEAL NEOPLASMS, surgery/ *LARYNGEAL NEOPLASMS, therapy/ LYMPHATIC METASTASIS/ METHODS/ NEOPLASM METASTASIS/ THYROID NEOPLASMS

851. **Dietz R, Mast GJ, Schömig A, et al:** Reversal of renal hypertension: effects on renin, salt and water balance. Klin Wochenschr 56 Suppl 1:23–9, 1978
ANGIOTENSIN II, blood/ *ANGIOTENSIN II, physiology/ ANIMAL/ BLOOD PRESSURE/ BODY WEIGHT/ GLOMERULAR FILTRATION RATE/ HEMATOCRIT/ *HYPERTENSION, RENAL, physiopathology/ MALE/ RATS/ RENAL ARTERY, physiology/ *RENIN, physiology/ SODIUM, urine/ UREA, blood/ URINE, physiology/ *WATER-ELECTROLYTE BALANCE

852. **Diez Jiménez L, Sarabia García F, Manrique Legaz JA, et al:** Valor clínico del test de estimulación con TRH.
Rev Clin Esp 151(6):479–81, 31 Dec 78 **(Spa)**
HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL

SYSTEM, physiology/ STIMULATION, CHEMICAL/ THYROID DISEASES, diagnosis/ THYROID FUNCTION TESTS/ THYROID NEOPLASMS, diagnosis/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, diagnostic use

853. **Diez Jiménez L, Gómez Embuena A, Manrique Legaz AJ, et al:** Eutiroidismo a expensas de metástasis funcionantes de un carcinoma folicular de origen tiroideo. Rev Clin Esp 151(2):159–61, 31 Oct 78 **(Spa)**
*ADENOCARCINOMA, radionuclide imaging/ CASE REPORT/ FEMALE/ HUMAN/ MIDDLE AGE/ *NEOPLASM METASTASIS, diagnosis/ *THYROID NEOPLASMS, radionuclide imaging

854. **Dillinger P, Koeppe HW:** Zur Koinzidenz von Diabetes mellitus und Endometriumkarzinom. Med Klin 74(8):284–7, 23 Feb 79 (47 ref.) **(Ger)**
DIABETES MELLITUS, complications/ *DIABETES MELLITUS, occurrence/ ENDOMETRIOSIS, complications/ *ENDOMETRIOSIS, occurrence/ ENDOMETRIOSIS, physiopathology/ FEMALE/ HUMAN/ PITUITARY GLAND, physiopathology/ REVIEW/ UTERINE NEOPLASMS, complications/ *UTERINE NEOPLASMS, occurrence/ UTERINE NEOPLASMS, physiopathology

855. **Dimant J, Ginzler EM, Schlesinger M, et al:** Systemic lupus erythematosus in the older age group: computer analysis. J Am Geriatr Soc 27(2):58–61, Feb 79
ADOLESCENCE/ ADRENAL CORTEX HORMONES, administration & dosage/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGE FACTORS/ AGED/ CHILD/ COMPUTERS/ HUMAN/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, diagnosis/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ MIDDLE AGE/ PROGNOSIS/ PROSPECTIVE STUDIES

856. **Dimkovic D, Milovanov S, Ristic Dj:** Primarni aldosteronizam tretiran bilateralnom resekcijom nadbubrežne žlezde. Med Pregl 31(11–12):477–80, 1978 (Eng. Abstr.) **(Scc)**
*ADENOMA, surgery/ ADRENAL CORTEX NEOPLASMS, complications/ *ADRENAL CORTEX NEOPLASMS, surgery/ *ADRENALECTOMY/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, etiology/ *HYPERALDOSTERONISM, surgery/ MIDDLE AGE

857. **Dines DE, Stubbs SE, McDougall JC:** Obstructive disease of the airways associated with stage I sarcoidosis. Mayo Clin Proc 53(12):788–91, Dec 78
ADULT/ AGED/ CASE REPORT/ FEMALE/ HUMAN/ *LUNG DISEASES, complications/ LUNG DISEASES, drug therapy/ LUNG DISEASES, OBSTRUCTIVE, drug therapy/ *LUNG DISEASES, OBSTRUCTIVE, etiology/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use/ *SARCOIDOSIS, complications/ SARCOIDOSIS, drug therapy

858. **DiNicola AF:** Thyrotropin releasing hormone, somatostatin, and galactorrhea [letter] Am J Clin Nutr 32(2):279–8, Feb 79
CHIARI-FROMMEL SYNDROME, etiology/ FEMALE/ GALACTORRHEA, etiology/ GLUCOCORTICOIDS, physiology/ HUMAN/ *LACTATION DISORDERS, etiology/ PREGNANCY/ *SOMATOTROPIN RELEASE INHIBITING HORMONE, physiology/ *THYROTROPIN RELEASING HORMONE, physiology

859. **Distler W, Stollenwerk U, Morgenstern J, et al:** Log normal distribution of ovarian and placental steroid values in early human pregnancy. Arch Gynecol 226(3):217–25, 30 Nov 78
*ESTRADIOL, blood/ FEMALE/ HUMAN/ *HYDROXYPROGESTERONES, blood/ MATHEMATICS/ NORMAL VALUES/ *PREGNANCY/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY

860. **Dittmar D, Monji N, Cid A, et al:** Enzyme-linked immunosorbent choriomammotropin assay. Clin Chem 25(2):227–9, Feb 79
BETA-GALACTOSIDASES/ ENZYME-LINKED IMMUNOSORBENT ASSAY/ HUMAN/ INDICATORS AND REAGENTS/ MALEIMIDES/ *PLACENTAL LACTOGEN, blood/ SUCCINIMIDES

861. **Dizhe AA:** Vliianie narkoticheskoĭ dozy ketamina na uroven' tsiklicheskogo adenozin-3,5-monofosfata (ts-AMF) v syvorotke krovi. Vestn Khir 121(11):106–9, Nov 78 (Eng. Abstr.) **(Rus)**
ACUTE DISEASE/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ ADOLESCENCE/ ADULT/ ANESTHESIA/ APPENDICITIS, blood/ APPENDICITIS, surgery/ ENGLISH ABSTRACT/ HUMAN/ KETAMINE, administration & dosage/ *KETAMINE, pharmacodynamics/ MIDDLE AGE

862. **Dluhy RG:** Adrenal function testing. Compr Ther 4(12):53–9, Dec 78
ADRENAL CORTEX, physiopathology/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, pathology/ ALDOSTERONE, blood/ CORTICOTROPIN, diagnostic use/ DEPRESSION, CHEMICAL/ DEXAMETHASONE, pharmacodynamics/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, urine/ HYPERPLASIA/ INSULIN, diagnostic use/ METYRAPONE, diagnostic use/ *PITUITARY-ADRENAL FUNCTION TESTS/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine

863. **Dmitrieva NP, Kalinin AP, Odinokova VA, et al:** Ul'trastruktura kletok okoloshchitovidnykh zhelez cheloveka v norme i pri giperparatireoze. Arkh Anat Gistol Embriol 75(12):93–9, Dec 78 (70 ref.) **(Rus)**
ADENOMA, ultrastructure/ CELL NUCLEUS, ultrastructure/ CYTOPLASMIC GRANULES, ultrastructure/ ENDOPLASMIC RETICULUM, ultrastructure/ HUMAN/ *HYPERPARATHYROIDISM, pathology/ HYPERPLASIA/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, ultrastructure/ ORGANOIDS, ultrastructure/ PARATHYROID GLANDS, cytology/ *PARATHYROID GLANDS, ultrastructure/ *PARATHYROID NEOPLASMS, ultrastructure/ REVIEW

864. **Doboszyńska B, Kołodziejska D, Lipka E:** The study of the influence of DDT on the antirachitic activity of vitamin D in rats. Pol J Pharmacol Pharm 30(4):489–91, Jul–Aug 78
ANIMAL/ CALCIFICATION, PHYSIOLOGIC, drug effects/ *CHOLECALCIFEROLS, antagonists & inhibitors/ CHOLECALCIFEROLS, pharmacodynamics/ COD LIVER OIL, pharmacodynamics/ DRUG CONTAMINATION/ *DDT, pharmacodynamics/ RATS/ *RICKETS, physiopathology

865. **Dobracheva AD, Zelenetskaia VS:** Izuchenie gonadotropnoi reguliatsii ovarial'noi funktsii u bol'nykh s polikistozom iaichnikov. Probl Endokrinol (Mosk) 25(1):19–23, Jan–Feb 79 (Eng. Abstr.) **(Rus)**
COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ FSH, blood/ FSH, pharmacodynamics/ HUMAN/ IN VITRO/ LH, blood/ *LH, metabolism/ LH, pharmacodynamics/ *OVARY, metabolism/ PROLACTIN, blood/ PROLACTIN, pharmacodynamics/ STEIN-LEVENTHAL SYNDROME, blood/ *STEIN-LEVENTHAL SYNDROME, metabolism/ TESTOSTERONE, blood

866. **Dobson H, Narayana K:** Does dopaminergic stimulation induce selective follicle stimulating hormone release in sheep? [proceedings] J Physiol (Lond) 284:61P, Nov 78
ANESTRUS/ ANIMAL/ FEMALE/ *FSH, secretion/ *RECEPTORS, DOPAMINE, physiology/ *SHEEP, physiology

867. **Docherty JR, McGrath JC:** Sympathomimetic effects of pancuronium bromide on the cardiovascular system of the pithed rat: a comparison with the effects of drugs blocking the neuronal uptake of noradrenaline. Br J Pharmacol 64(4):589–99, Dec 78
ADRENALECTOMY/ ANIMAL/ BLOOD PRESSURE, drug effects/ COMPARATIVE STUDY/ HEART RATE, drug effects/ *HEMODYNAMICS, drug effects/ MALE/ NEURONS, drug effects/ *NEURONS, metabolism/ *NOREPINEPHRINE, metabolism/ *PANCURONIUM, pharmacodynamics/ RATS/ SPINAL CORD, physiology/ SYMPATHECTOMY/ *SYMPATHOMIMETICS

868. **Doci R, Pilotti S, Costa A, et al:** Thyroid cancer in childhood. Tumori 64(6):649–57, Nov–Dec 78
*ADENOCARCINOMA, therapy/

*ADENOCARCINOMA, PAPILLARY, therapy/ ADOLESCENCE/ CHILD/ FEMALE/ HUMAN/ LUNG NEOPLASMS, therapy/ LYMPHATIC METASTASIS, therapy/ MALE/ NECK/ NEOPLASM METASTASIS, therapy/ REMISSION/ *THYROID NEOPLASMS, therapy/ TIME FACTORS

869. **Doherty CC, McGeown MG:** Prevention of upper gastrointestinal complications after kidney transplantation. Proc Eur Dial Transplant Assoc 15:361–71, 1978
CIMETIDINE, therapeutic use/ GASTRIC JUICE, secretion/ GASTRITIS, etiology/ *GASTROINTESTINAL DISEASES, prevention & control/ HEMORRHAGE, GASTROINTESTINAL, prevention & control/ HUMAN/ *KIDNEY, transplantation/ PEPTIC ULCER, complications/ *POSTOPERATIVE COMPLICATIONS, prevention & control/ PREDNISOLONE, administration & dosage/ PREDNISOLONE, adverse effects/ TRANSPLANTATION, ALLOGENEIC

870. **Dohi M, Kikuchi A, Gorini L:** Some regulation profiles of ornithine transcarbamylase synthesis in vitro. J Biochem (Tokyo) 84(6):1401–9, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ BETA-GALACTOSIDASES, biosynthesis/ ENZYME REPRESSION/ ESCHERICHIA COLI, drug effects/ *ESCHERICHIA COLI, enzymology/ ESCHERICHIA COLI, genetics/ GUANOSINE TETRAPHOSPHATE, pharmacodynamics/ HEAT/ KINETICS/ *ORNITHINE CARBAMOYLTRANSFERASE, biosynthesis/ ORNITHINE CARBAMOYLTRANSFERASE, genetics/ UNITED STATES GOV'T SUPPORTED

871. **Dohi T, Tsujimoto A:** Possible mechanisms of sustained tremor induction by nicotine in pilocarpine treated animals. Arch Int Pharmacodyn Ther 235(1):62–72, Sep 78
P-CHLOROPHENYLALANINE, pharmacodynamics/ ANIMAL/ BRAIN, drug effects/ BRAIN, metabolism/ CORPUS STRIATUM, metabolism/ DOPAMINE, metabolism/ HEMICHOLINIUM 3, pharmacodynamics/ HOMOVANILLIC ACID, metabolism/ HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ *NICOTINE, pharmacodynamics/ NOREPINEPHRINE, metabolism/ *PILOCARPINE, pharmacodynamics/ RATS/ SEROTONIN, metabolism/ *TREMOR, chemically induced/ TREMOR, metabolism

872. **Dokas L, Rittschof D, Kleinsmith LJ:** Effects of cyclic adenosine 3': 5'-monophosphate on phosphoprotein kinase and phosphatase fractions prepared from rat liver nuclei. Arch Biochem Biophys 191(2):578–89, Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ *CELL NUCLEUS, enzymology/ KINETICS/ *LIVER, enzymology/ MAGNESIUM, pharmacodynamics/ MOLECULAR WEIGHT/ *PHOSPHOPROTEIN PHOSPHATASES, metabolism/ PHOSPHOPROTEINS, isolation & purification/ PHOSPHORYLATION/ *PROTEIN KINASE, metabolism/ RATS/ RNA POLYMERASES, metabolism/ UNITED STATES GOV'T SUPPORTED

873. **Doleček R, Kračmar P, Adámková M, et al:** Hladiny tyrox[redacted]nu a tsh v séru popálených. Cas Lek Cesk 117(46):1439–40, 1978 (Eng. Abstr.) **(Cze)**
*BURNS, blood/ ENGLISH ABSTRACT/ HUMAN/ *THYROTROPIN, blood/ *THYROXINE, blood

874. **Dolman CL, Sweeney VP, Magil A:** Neoplastic angioendotheliosis. The case of the missed primary? Arch Neurol 36(1):5–7, Jan 79
AGED/ *BRAIN NEOPLASMS, diagnosis/ BRAIN NEOPLASMS, pathology/ CASE REPORT/ CEREBRAL INFARCTION, etiology/ DEMENTIA, SENILE, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ *HEMANGIOENDOTHELIOMA, diagnosis/ HEMANGIOENDOTHELIOMA, pathology/ HUMAN/ MALE/ *NEOPLASM CIRCULATING CELLS/ PANCREATIC NEOPLASMS, pathology/ POLYRADICULONEURITIS, diagnosis/ THYROID NEOPLASMS, pathology

875. **Dolman LI, Nolan G, Jubiz W:** Metyrapone test with adrenocorticotrophic levels. Separating primary from secondary adrenal insufficiency. JAMA 241(12):1251–3, 23 Mar 79
ADRENAL GLAND HYPOFUNCTION, classification/ *ADRENAL GLAND HYPOFUNCTION, diagnosis/ CORTICOTROPIN, blood/ CORTODOXONE, blood/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ HYDROCORTISONE, blood/ *METYRAPONE, diagnostic use/ UNITED STATES GOV'T SUPPORTED, P.H.S.

876. **Donini G, Balbi F:** Sulla prevenzione della sindrome da insufficienza respiratoria del neonato prematuro. Minerva Ginecol 30(12):1175–8, Dec 78 **(Ita)**
ADULT/ *BETAMETHASONE, therapeutic use/ FEMALE/ HUMAN/ INFANT, NEWBORN/ PREGNANCY/ *RESPIRATORY DISTRESS SYNDROME, prevention & control

877. **Donker AJ, Brentjens JR, van der Hem GK, et al:** Treatment of the nephrotic syndrome with indomethacin. Nephron 22(4–6):374–81, 1978
ANGIOTENSIN II, physiology/ DIET, SALT-FREE/ DRUG WITHDRAWAL SYMPTOMS/ GLOMERULAR FILTRATION RATE, drug effects/ HUMAN/ INDOMETHACIN, pharmacodynamics/ *INDOMETHACIN, therapeutic use/ KIDNEY, blood supply/ NEPHROTIC SYNDROME, complications/ *NEPHROTIC SYNDROME, drug therapy/ PROTEINURIA, drug therapy/ PROTEINURIA, etiology/ REGIONAL BLOOD FLOW, drug effects/ RENIN, physiology/ SERUM ALBUMIN, metabolism

878. **Donley CS, Meissl H:** Sensitivity change of the chromatic response of the pineal organ of the frog, Rana esculenta, by light adaptation [proceedings] J Physiol (Lond) 284:115P, Nov 78
ADAPTATION, OCULAR/ ANIMAL/ *COLOR PERCEPTION, physiology/ FROGS/ PHOTIC STIMULATION/ *PINEAL BODY, physiology/ RANA ESCULENTA

879. **Donohue JP, Einhorn LH, Perez JM:** Improved management of nonseminomatous testis tumors. Cancer 42(6):2903–8, Dec 78
*ANTINEOPLASTIC AGENTS, administration & dosage/ CHORIOCARCINOMA, diagnosis/ *CHORIOCARCINOMA, therapy/ DRUG THERAPY, COMBINATION/ HUMAN/ LYMPH NODE EXCISION, methods/ MALE/ NEOPLASM METASTASIS, therapy/ TERATOID TUMOR, diagnosis/ *TERATOID TUMOR, therapy/ TESTICULAR NEOPLASMS, diagnosis/ *TESTICULAR NEOPLASMS, therapy

880. **Donovan MP, Schein LG, Thomas JA:** Effects of pesticides on metabolism of steroid hormone by rodent liver microsomes. J Environ Pathol Toxicol 2(2):447–54, Nov-Dec 78
ANIMAL/ CYTOCHROME P-450, metabolism/ IN VITRO/ MALE/ MICE/ MICROSOMES, LIVER, drug effects/ *MICROSOMES, LIVER, metabolism/ PESTICIDES, metabolism/ *PESTICIDES, pharmacodynamics/ RATS/ STEROID HYDROXYLASES, metabolism/ *TESTOSTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

881. **Dore MA:** The role of the vaginal smear in the detection of metoestrus and anoestrus in the bitch. J Small Anim Pract 19(10):561–72, Oct 78
*ANESTRUS/ ANIMAL/ *BREEDING/ COMPARATIVE STUDY/ DOGS, anatomy & histology/ *DOGS, physiology/ *ESTRUS DETECTION/ *ESTRUS/ FEMALE/ *METESTRUS/ *VAGINAL SMEARS, veterinary

882. **Dorner AJ, Kemper B:** Conversion of pre-proparathyroid hormone to proparathyroid hormone by dog pancreatic microsomes. Biochemistry 17(25):5550–5, 12 Dec 78
ANIMAL/ DOGS/ KINETICS/ *MICROSOMES, metabolism/ *PANCREAS, metabolism/ *PARATHYROID HORMONE, biosynthesis/ PLANTS, metabolism/ *PROTEIN PRECURSORS, biosynthesis/ TRANSLATION, GENETIC/ UNITED STATES GOV'T SUPPORTED, P.H.S./ WHEAT, metabolism

883. **Doughty MJ:** Control of ciliary activity in Paramecium--I. Modification of K+-induced ciliary reversal by temperature and ruthenium red. Comp Biochem Physiol [C] 61 C(2):369–73, 1978
ANIMAL/ CALCIUM, metabolism/ CELL

MEMBRANE PERMEABILITY, drug effects/ *CILIA, physiology/ MOVEMENT, drug effects/ *PARAMECIUM, physiology/ POTASSIUM, antagonists & inhibitors/ POTASSIUM, pharmacodynamics/ RUTHENIUM RED, pharmacodynamics/ TEMPERATURE

884. **Doury P, Delahaye RP, Granier R, et al:** Highly localized transient osteoporosis of the knee [letter] Arthritis Rheum 21(8):992–3, Nov–Dec 78
CALCITONIN, therapeutic use/ FEMALE/ HUMAN/ *JOINT DISEASES/ JOINT DISEASES, drug therapy/ JOINT DISEASES, radiography/ JOINT DISEASES, radionuclide imaging/ *KNEE JOINT/ KNEE JOINT, radiography/ KNEE JOINT, radionuclide imaging/ MALE/ MIDDLE AGE/ *OSTEOPOROSIS/ OSTEOPOROSIS, drug therapy/ OSTEOPOROSIS, radiography/ OSTEOPOROSIS, radionuclide imaging

885. **Doutre MS, Ortonne JP, Floret D, et al:** Pelade et trisomie 21. A propos de 2 cas. Ann Dermatol Venereol 105(6–7):587–90, Jun–Jul 78 (Eng. Abstr.) **(Fre)**
ADOLESCENCE/ *ALOPECIA AREATA, complications/ CASE REPORT/ CHILD/ *DOWN'S SYNDROME, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ THYROIDITIS, LYMPHOMATOUS, complications/ VITILIGO, complications

886. **Douwes FR, Yu D, Truss F:** Diagnostik und Therapie maligner Hodentumoren. Onkologie 1(5):185–92, Oct 78 (Eng. Abstr.) **(Ger)**
ALPHA FETOPROTEINS, analysis/ ANTINEOPLASTIC AGENTS, therapeutic use/ DYSGERMINOMA, diagnosis/ DYSGERMINOMA, drug therapy/ DYSGERMINOMA, pathology/ DYSGERMINOMA, surgery/ ENGLISH ABSTRACT/ FEMALE/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ NEOPLASM STAGING/ TERATOID TUMOR, diagnosis/ TERATOID TUMOR, drug therapy/ TERATOID TUMOR, pathology/ TERATOID TUMOR, surgery/ *TESTICULAR NEOPLASMS, diagnosis/ TESTICULAR NEOPLASMS, drug therapy/ TESTICULAR NEOPLASMS, pathology/ TESTICULAR NEOPLASMS, surgery

887. **Downie WW, Dixon JS, Lowe JR, et al:** Adrenocortical suppression by synthetic corticosteroid drugs: a comparative study of prednisolone and betamethasone.
Br J Clin Pharmacol 6(5):397–9, Nov 78
*ADRENAL CORTEX, drug effects/ ADULT/ AGED/ *BETAMETHASONE, adverse effects/ COMPARATIVE STUDY/ DEPRESSION, CHEMICAL/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ MALE/ MIDDLE AGE/ PLACEBOS/ *PREDNISOLONE, adverse effects/ TIME FACTORS

888. **Doyle RJ, Stroupe SD:** Perturbation of the calcium-binding site in concanavalin A by a saccharide ligand.
Carbohydr Res 67(2):545–8, Dec 78
BINDING SITES/ BINDING, COMPETITIVE/ *CALCIUM, metabolism/ *CONCANAVALIN A, metabolism/ *METHYLGLYCOSIDES, pharmacodynamics/ METHYLMANNOSIDES, metabolism/ *METHYLMANNOSIDES, pharmacodynamics

889. **Dozin-van Roye B, de Nayer P:** Triiodothyronine binding to brain cytosol receptors during maturation. FEBS Lett 96(1):152–4, 1 Dec 78
ANIMAL/ *BRAIN, growth & development/ BRAIN, metabolism/ CYTOSOL, metabolism/ KINETICS/ LIVER, growth & development/ LIVER, metabolism/ RATS/ *RECEPTORS, HORMONE, metabolism/ *TRIIODOTHYRONINE, metabolism

890. **Dragomirescu T, Matei I:** Influenţa medicaţiei asupra funcţiilor granulocitului neutrofil uman.
Rev Med Interna [Med Interna] 30(5):393–400, Sep–Oct 78 (49 ref.) **(Rum)**
ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ CELL ADHESION, drug effects/ CELL MOVEMENT, drug effects/ CHEDIAK-HIGASHI SYNDROME, blood/ COLCHICINE, pharmacodynamics/ HUMAN/ MICROTUBULES, drug effects/ *NEUTROPHILS, drug effects/ *PHAGOCYTOSIS, drug effects/ PODOPHYLLIN, pharmacodynamics/ PREDNISONE, pharmacodynamics/ REVIEW/ SUBCELLULAR FRACTIONS, drug effects/ SULFONAMIDES, pharmacodynamics/ VINCA ALKALOIDS, pharmacodynamics

891. **Dratman MB, Crutchfield FL:** Synaptosomal [125I]triiodothyronine after intravenous [125I]thyroxine.
Am J Physiol 235(6):E638–47, Dec 78
ANIMAL/ *BRAIN, metabolism/ INJECTIONS, INTRAVENOUS/ MALE/ RATS/ *SYNAPTOSOMES, metabolism/ THYROID GLAND, metabolism/ THYROXINE, administration & dosage/ *THYROXINE, metabolism/ *TRIIODOTHYRONINE, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

892. **Dratwa M, Tisher CC, Sommer JR, et al:** Intramembranous particle aggregation in toad urinary bladder after vasopressin stimulation. Lab Invest 40(1):46–54, Jan 79
ANIMAL/ *BLADDER, drug effects/ BLADDER, metabolism/ BUFO MARINUS/ CELL MEMBRANE PERMEABILITY, drug effects/ CELL MEMBRANE, metabolism/ FREEZE FRACTURING/ IN VITRO/ MALE/ OSMOLAR CONCENTRATION/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VASOPRESSINS, pharmacodynamics/ WATER, metabolism

893. **Dreher E:** Prostaglandinsynthese-Inhibitoren.
Gynaekol Rundsch 18 Suppl 1:48–60, 1978 **(Ger)**
*ANTI-INFLAMMATORY AGENTS, therapeutic use/ CHEMISTRY/ *DYSMENORRHEA, drug therapy/ FEMALE/ HUMAN/ *LABOR, PREMATURE, prevention & control/ PREGNANCY/ *PROSTAGLANDIN ANTAGONISTS, therapeutic use/ PROSTAGLANDINS, biosynthesis

894. **Drew JS, London WT, Lustbader ED, et al:** Cross reactivity between hepatitis B surface antigen and a male-associated antigen. Birth Defects 14(6A):91–101, 1978 (43 ref.)
ADULT/ ANTIGENIC DETERMINANTS/ *ANTIGENS/ CROSS REACTIONS/ FEMALE/ GRAFT REJECTION/ HEMODIALYSIS/ *HEPATITIS B SURFACE ANTIGEN, immunology/ HUMAN/ INFANT, NEWBORN/ KIDNEY, transplantation/ MALE/ REVIEW/ *SEX CHROMOSOMES, immunology/ SEX FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *Y CHROMOSOME, immunology

895. **Drewett RF, Trew AM:** The milk ejection of the rat, as a stimulus and a response to the litter. Anim Behav 26(4):982–7, Nov 78
ANIMAL/ *ANIMALS, physiology/ *ANIMALS, SUCKLING, physiology/ BEHAVIOR, ANIMAL/ FEMALE/ *LACTATION/ MATERNAL BEHAVIOR/ *RATS, physiology/ SUCKING BEHAVIOR

896. **Dreyfuss G, Schwartz KJ, Blout ER:** Compartmentalization of cyclic AMP-dependent protein kinases in human erythrocytes. Proc Natl Acad Sci USA 75(12):5926–30, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ CELL COMPARTMENTATION/ CYTOPLASM, enzymology/ ERYTHROCYTE MEMBRANE, enzymology/ *ERYTHROCYTES, metabolism/ HUMAN/ KINETICS/ MACROMOLECULAR SYSTEMS/ MOLECULAR WEIGHT/ *PROTEIN KINASE, blood/ TRITONS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

897. **Driessens FC, van Dijk JW, Borggreven JM:** Biological calcium phosphates and their role in the physiology of bone and dental tissues I. Composition and solubility of calcium phosphates. Calcif Tissue Res 26(2):127–37, 8 Dec 78 (58 ref.)
*APATITES/ APATITES, analysis/ *BONE AND BONES, analysis/ *CALCIUM PHOSPHATES/ CALCIUM PHOSPHATES, analysis/ CARBONATES, analysis/ CRYSTALLIZATION/ HYDROGEN-ION CONCENTRATION/ IONS/ ODONTOGENESIS/ OSTEOGENESIS/ REVIEW/ SODIUM, analysis/ SOLUBILITY/ SURFACE PROPERTIES/ *TOOTH, analysis

898. **Driot FJ, Garnier DH, Terqui M:** Development and validation of a 'direct' radioimmunoassay for plasma testosterone in the fowl (Gallus domesticus). Gen Comp Endocrinol 36(2):244–9, Oct 78

ANIMAL/ CHICKENS/ COMPARATIVE STUDY/ CROSS REACTIONS/ MALE/ RADIOIMMUNOASSAY, methods/ *TESTOSTERONE, blood

899. **Driscoll DJ, Palmer CG, Melman A:** Nonhomologous associations of C-heterochromatin at human male meitoic prophase. Cytogenet Cell Genet 23(1-2):23-32, 1979
AZURE STAINS/ CHROMOSOME BANDING/ *HETEROCHROMATIN, ultrastructure/ HUMAN/ MALE/ *MEIOSIS/ MITOSIS/ TESTIS, ultrastructure/ UNITED STATES GOV'T SUPPORTED, P.H.S.

900. **Driskell JA, Keith RE, Tangney CC:** Nutritional status of white college students in Virginia. J Am Diet Assoc 74(1):32-5, Jan 79
ADOLESCENCE/ ADULT/ CALORIC INTAKE/ CAUCASOID RACE/ CONTRACEPTIVES, ORAL, pharmacodynamics/ DIETARY PROTEINS/ FEMALE/ HEMATOCRIT/ *HEMOGLOBINS, metabolism/ HUMAN/ MALE/ NUTRITION SURVEYS/ *NUTRITION/ SEX FACTORS/ *STUDENTS/ VIRGINIA/ VITAMINS

901. **Driver PM, Forbes JM:** Plasma growth hormone and spontaneous meals in sheep [proceedings] Proc Nutr Soc 37(3):100A, Dec 78
ANIMAL/ CASTRATION/ *FEEDING BEHAVIOR/ MALE/ SHEEP/ *SOMATOTROPIN, blood

902. **Drobny H, Preuss EG, Seige K:** Hämodynamik und Stoffwechselparameter bei Anwendung des Antihypertonikums Diazoxid. Z Gesamte Inn Med 33(23):856-61, 1 Dec 78 (Eng. Abstr.) **(Ger)**
ADULT/ BLOOD PRESSURE, drug effects/ BLOOD SUGAR, metabolism/ DIAZOXIDE, adverse effects/ *DIAZOXIDE, pharmacodynamics/ DIAZOXIDE, therapeutic use/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ *HEMODYNAMICS, drug effects/ HUMAN/ HYDROCORTISONE, blood/ MALE/ *METABOLISM, drug effects/ MIDDLE AGE/ PULSE, drug effects/ REGIONAL BLOOD FLOW, drug effects

903. **Drop SL, Colle E, Guyda HJ:** Hyperbilirubinaemia and idiopathic hypopituitarism in the newborn period. Acta Paediatr Scand 68(2):277-80, Mar 79
ADULT/ FEMALE/ HEPATOMEGALY, etiology/ HUMAN/ HYPOGLYCEMIA, congenital/ *HYPOPITUITARISM, congenital/ HYPOPITUITARISM, diagnosis/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES/ INFANT, NEWBORN, DISEASES, diagnosis/ *JAUNDICE, NEONATAL, complications/ JAUNDICE, NEONATAL, diagnosis/ JAUNDICE, NEONATAL, drug therapy/ MALE/ PREGNANCY/ SOMATOMEDIN, analysis/ SOMATOTROPIN, therapeutic use

904. **Droszcz W, Malunowicz E, Lech B, et al:** Assessment of adrenocortical function in asthmatic patients on long-term triamcinolone acetonide treatment. Ann Allergy 42(1):41-3, Jan 79
ADRENAL CORTEX FUNCTION TESTS/ *ASTHMA, drug therapy/ DRUG EVALUATION/ FEMALE/ HUMAN/ LONG TERM CARE/ MALE/ MIDDLE AGE/ *TRIAMCINOLONE ACETONIDE, therapeutic use

905. **Dróżdź M, Kucharz E, Szyja J, et al:** Studies on the optimal conditions of the colorimetric determination of total and free hydroxylysine in biological fluids and tissues. Z Med Lab Diagn 19(5):294-305, Sep 78
*BODY FLUIDS, analysis/ BONE AND BONES, analysis/ *COLORIMETRY, methods/ HUMAN/ *HYDROXYLYSINE, analysis/ LIVER, analysis/ LUNG, analysis/ SKIN, analysis

906. **Drummond GI, Severson DL:** Cyclic nucleotides and cardiac function. Circ Res 44(2):145-53, Feb 79 (116 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ CALCIUM, physiology/ CATECHOLAMINES, pharmacodynamics/ CHICK EMBRYO/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ GUINEA PIGS/ *HEART, physiology/ MYOCARDIAL CONTRACTION, drug effects/ *NUCLEOTIDES, CYCLIC, physiology/ PHOSPHORYLATION/ REVIEW/ STIMULATION, CHEMICAL

907. **du Cailar J, Mathieu-Daudé JC, Deschodt J, et al:** Etude de la concentration plasmatique du fentanyl pendant et après son administration à débit constant. Ann Anesthesiol Fr 19(9):761-5, 1978 (Eng. Abstr.) **(Fre)**
ADULT/ ALTHESIN, administration & dosage/ ENGLISH ABSTRACT/ FEMALE/ FENTANYL, administration & dosage/ *FENTANYL, blood/ HUMAN/ MALE/ *NEUROLEPTANALGESIA/ RADIOIMMUNOASSAY/ TIME FACTORS/ TRITIUM, diagnostic use

908. **Dubpernell SA, Gavurin L:** The effect of cyclic AMP on the growth and morphology of a normal human fibroblast parent strain and its transformed progeny line. Cell Differ 7(6):375-86, Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ CELL DIFFERENTIATION, drug effects/ CELL DIVISION, drug effects/ CELL LINE/ *CELL TRANSFORMATION, NEOPLASTIC, drug effects/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ FIBROBLASTS, cytology/ *FIBROBLASTS, drug effects/ HUMAN

909. **Dubrovskiĭ AA:** Osnovnoĭ obmen i vneshnee dykhanie pri tireotoksikoze. Vestn Khir 121(12):57-9, Dec 78 (Eng. Abstr.) **(Rus)**
*BASAL METABOLISM/ ENGLISH ABSTRACT/ HUMAN/ HYPERTHYROIDISM, diagnosis/ *HYPERTHYROIDISM, physiopathology/ OXYGEN CONSUMPTION/ *RESPIRATION

910. **Dudley JP, Rosen JM, Butel JS:** Differential expression of poly(A)-adjacent sequences of mammary tumor virus RNA in murine mammary cells. Proc Natl Acad Sci USA 75(12):5797-801, Dec 78
ANIMAL/ BASE SEQUENCE/ CELL LINE/ *GENES, VIRAL/ *LACTATION/ *MAMMAE, microbiology/ *MAMMARY CANCER VIRUS, genetics/ *MAMMARY NEOPLASMS, EXPERIMENTAL, familial & genetic/ MAMMARY NEOPLASMS, EXPERIMENTAL, microbiology/ MICE/ NUCLEIC ACID HYBRIDIZATION/ POLY A, genetics/ PREGNANCY/ REVERSE TRANSCRIPTASE, metabolism

911. **Dufau ML, Catt KJ:** Gonadotropin receptors and regulation of steroidogenesis in the testis and ovary. Vitam Horm 36:461-592, 1978 (269 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ADRENAL GLANDS, metabolism/ ANIMAL/ BIOLOGICAL ASSAY/ FEMALE/ FSH, metabolism/ *GONADOTROPINS, metabolism/ GONADOTROPINS, CHORIONIC, metabolism/ HUMAN/ LH, metabolism/ LH-FSH RELEASING HORMONE, diagnostic use/ MAGNESIUM, pharmacodynamics/ MALE/ MANGANESE, pharmacodynamics/ *OVARY, metabolism/ PEPTIDE HYDROLASES/ PHOSPHOLIPASE/ PROLACTIN, metabolism/ PROTEIN KINASE, metabolism/ RADIOLIGAND ASSAY/ RECEPTORS, HORMONE, analysis/ *RECEPTORS, HORMONE, metabolism/ REVIEW/ SOLUBILITY/ *STEROIDS, biosynthesis/ *TESTIS, metabolism/ TESTOSTERONE, metabolism

912. **Dufau ML, Hayashi K, Sala G, et al:** Gonadal luteinizing hormone receptors and adenylate cyclase: transfer of functional ovarian luteinizing hormone receptors to adrenal fasciculata cells. Proc Natl Acad Sci USA 75(10):4769-73, Oct 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ *ADENYL CYCLASE, analysis/ ADENYL CYCLASE, metabolism/ *ADRENAL GLANDS, metabolism/ ANIMAL/ CELL MEMBRANE, metabolism/ IN VITRO/ LH, analysis/ LH, metabolism/ MALE/ *OVARY, analysis/ RATS/ *RECEPTORS, HORMONE, analysis/ RECEPTORS, HORMONE, metabolism/ TESTIS, analysis

913. **Dufaure JP, Chambon M:** Uptake of [3H]testosterone in several organs of the male viviparous lizard (Lacerta vivipara Jacquin) and selective retention by the epididymis. Gen Comp Endocrinol 36(1):23-9, Sep 78
ANIMAL/ EPIDIDYMIS, cytology/ *EPIDIDYMIS, metabolism/ GASTROINTESTINAL SYSTEM,

metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ *LIZARDS, metabolism/ LUNG, metabolism/ MALE/ ORGAN SPECIFICITY/ PENIS, metabolism/ SEASONS/ *TESTOSTERONE, metabolism

914. **Duff GB:** The use of ultrasound in threatened abortion. NZ Med J 88(624):398–400, 22 Nov 78
ABORTION, diagnosis/ *ABORTION, THREATENED, diagnosis/ FEMALE/ *FETAL VIABILITY/ HUMAN/ HYDATIDIFORM MOLE, diagnosis/ PLACENTA DISORDERS, diagnosis/ PREGNANCY/ PREGNANCY, ECTOPIC, diagnosis/ PREGNANCY, MULTIPLE/ RETROSPECTIVE STUDIES/ *ULTRASONICS, diagnostic use/ UTERINE NEOPLASMS, diagnosis

915. **Duffner PK, Cohen ME, Thomas PR, et al:** Combination chemotherapy in recurrent medulloblastoma. Cancer 43(1):41–5, Jan 79
ADOLESCENCE/ *ANTINEOPLASTIC AGENTS, administration & dosage/ *BRAIN NEOPLASMS, drug therapy/ CARMUSTINE, administration & dosage/ CHILD/ CHILD, PRESCHOOL/ DEXAMETHASONE, administration & dosage/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ MALE/ *MEDULLOBLASTOMA, drug therapy/ METHOTREXATE, administration & dosage/ RECURRENCE/ REMISSION/ TIME FACTORS/ VINCRISTINE, administration & dosage

916. **Duka T, Höllt V, Przewlocki R, et al:** Distribution of methionine- and leucine-enkephalin within the rat pituitary gland measured by highly specific radioimmunoassays. Biochem Biophys Res Commun 85(3):1119–27, 14 Dec 78
ANIMAL/ *ENDORPHINS, analysis/ *ENKEPHALINS, analysis/ *PITUITARY GLAND, analysis/ RADIOIMMUNOASSAY, methods/ RATS

917. **Dunbar JC, Walsh MF:** Glucagon secretion in rats bearing a growth hormone producing tumor (MtT-W-15). Diabete Metab 4(4):249–53, Dec 78
ANIMAL/ ARGININE, pharmacodynamics/ BLOOD SUGAR, metabolism/ BODY WEIGHT/ FEMALE/ GLUCAGON, metabolism/ *GLUCAGON, secretion/ INSULIN, metabolism/ ISLANDS OF LANGERHANS, secretion/ NEOPLASMS, EXPERIMENTAL, secretion/ *NEOPLASMS, HORMONE-DEPENDENT, secretion/ *PANCREATIC NEOPLASMS, secretion/ RATS/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion/ UNITED STATES GOV'T SUPPORTED, P.H.S.

918. **Duncan C, Broadley KJ:** Correlation between cAMP production in guinea-pig left and right atria and their inotropic and chronotropic responses to orciprenaline at different temperatures. Mol Pharmacol 14(6):1063–72, Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ ANIMAL/ FEMALE/ GUINEA PIGS/ *HEART RATE, drug effects/ IN VITRO/ MALE/ *MYOCARDIAL CONTRACTION, drug effects/ *MYOCARDIUM, metabolism/ *ORCIPRENALINE, pharmacodynamics/ TEMPERATURE/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS

919. **Duncan CJ:** Role of intracellular calcium in promoting muscle damage: a strategy for controlling the dystrophic condition. Experientia 34(12):1531–5, 15 Dec 78 (93 ref.)
A-23187, pharmacodynamics/ ANIMAL/ CAFFEINE, pharmacodynamics/ *CALCIUM, metabolism/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, metabolism/ HUMAN/ MAGNESIUM, pharmacodynamics/ *MUSCULAR DISEASES, metabolism/ MUSCULAR DISEASES, pathology/ *MUSCULAR DYSTROPHY, metabolism/ MUSCULAR DYSTROPHY, pathology/ NUCLEOTIDES, CYCLIC, physiology/ OSMOLAR CONCENTRATION/ PEPTIDE HYDROLASES, metabolism/ REVIEW/ SARCOPLASMIC RETICULUM, drug effects/ SARCOPLASMIC RETICULUM, metabolism

920. **Duncan CJ, Smith JL:** The action of caffeine in promoting ultrastructural damage in frog skeletal muscle fibres. Evidence for the involvement of the calcium-induced release of calcium from the sarcoplasmic reticulum. Naunyn Schmiedebergs Arch Pharmacol 305(2):159–66, Nov 78
ANIMAL/ CAFFEINE, antagonists & inhibitors/ *CAFFEINE, pharmacodynamics/ *CALCIUM, metabolism/ FROGS/ IN VITRO/ MUSCLES, drug effects/ *MUSCLES, ultrastructure/ PROCAINE, pharmacodynamics/ RANA TEMPORARIA/ SARCOPLASMIC RETICULUM, drug effects/ *SARCOPLASMIC RETICULUM, metabolism

921. **Duncombe F, Valdazo A, Jung C:** Polychondrite chronique atrophiante. Rev Laryngol Otol Rhinol (Bord) 99(9–10):589–97, Sep–Oct 78 (Eng. Abstr.) **(Fre)**
AGED/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *OTORHINOLARYNGOLOGIC DISEASES/ OTORHINOLARYNGOLOGIC DISEASES, diagnosis/ OTORHINOLARYNGOLOGIC DISEASES, drug therapy/ *POLYCHONDRITIS, RELAPSING/ POLYCHONDRITIS, RELAPSING, diagnosis/ POLYCHONDRITIS, RELAPSING, drug therapy/ PREDNISONE, therapeutic use

922. **Dunn AJ, Green EJ, Isaacson RL:** Intracerebral adrenocorticotropic hormone mediates novelty-induced grooming in the rat. Science 203(4377):281–3, 19 Jan 79
ANIMAL/ ANTIGEN-ANTIBODY REACTIONS/ *CORTICOTROPIN, cerebrospinal fluid/ CORTICOTROPIN, immunology/ CORTICOTROPIN, pharmacodynamics/ GROOMING, drug effects/ *GROOMING, physiology/ HYPOPHYSECTOMY/ MALE/ RATS/ STRESS, PSYCHOLOGICAL

923. **Dunn JD, Johnson DC:** Effect of adrenalectomy on temporal patterns of serum gonadotropin levels. Neuroendocrinology 27(3–4):126–35, 1978
*ADRENAL CORTEX, physiology/ ADRENALECTOMY/ ANIMAL/ *CIRCADIAN RHYTHM/ COMPARATIVE STUDY/ CORTICOSTERONE, blood/ FSH, blood/ *GONADOTROPINS, PITUITARY, blood/ LH, blood/ MALE/ PROLACTIN, blood/ RATS

924. **Dunn MJ, Greely HP, Valtin H, et al:** Renal excretion of prostaglandins E2 and F2alpha in diabetes insipidus rats. Am J Physiol 235(6):E624–7, Dec 78
ANIMAL/ DIABETES INSIPIDUS, familial & genetic/ *DIABETES INSIPIDUS, metabolism/ DIABETES INSIPIDUS, urine/ *KIDNEY, metabolism/ *PROSTAGLANDINS E, metabolism/ PROSTAGLANDINS E, urine/ *PROSTAGLANDINS F, metabolism/ PROSTAGLANDINS F, urine/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASOPRESSINS, pharmacodynamics

925. **Dupuis Y, Digaud A, Fournier P:** The relations between intestinal alkaline phosphatase and carbohydrates with regard to calcium absorption. Arch Int Physiol Biochim 86(3):543–56, Aug 78
*ALKALINE PHOSPHATASE, metabolism/ ANIMAL/ *CALCIUM, metabolism/ *CARBOHYDRATES, pharmacodynamics/ ILEUM, drug effects/ *ILEUM, metabolism/ *INTESTINAL ABSORPTION, drug effects/ INTESTINAL MUCOSA, drug effects/ INTESTINAL MUCOSA, metabolism/ KINETICS/ MALE/ PENTOSES, pharmacodynamics/ RATS/ SORBITOL, pharmacodynamics

926. **Dupuis Y, Fournier A, Fournier P:** Etude relative a un arrêt de l'absorption du calcium et auz conditions de sa prolongation en présence d'un glucide. Ann Nutr Aliment 32(4):741–51, 1978 (Eng. Abstr.) **(Fre)**
ABSORPTION/ ALKALINE PHOSPHATASE, metabolism/ ANIMAL/ CALCIUM RADIOISOTOPES/ *CALCIUM, metabolism/ CARBOHYDRATES, metabolism/ *CARBOHYDRATES, pharmacodynamics/ DRUG INTERACTIONS/ ENGLISH ABSTRACT/ ILEUM, metabolism/ MALE/ RATS/ TIME FACTORS/ XYLOSE, metabolism/ XYLOSE, pharmacodynamics

927. **Duque C, Morisaki M, Ikekawa N, et al:** The final step of side-chain cleavage of cholesterol by adrenocortical cytochrome P-450(scc) studied with [22(-18)O]20,22-dihydroxycholesterols, [18O]isocaproaldehyde, [18O]water and atmospheric [18O]oxygen. Biochem Biophys Res Commun 85(1):317–25, 14 Nov 78
*ADRENAL CORTEX, enzymology/ ALDEHYDES, metabolism/ ANIMAL/ *CAPROATES, metabolism/

CHOLESTEROL/ *CYTOCHROME P-450, metabolism/ *HYDROXYCHOLESTEROLS, metabolism/ OXYGEN ISOTOPES/ OXYGEN/ SPECTRUM ANALYSIS, MASS/ WATER

928. **Duquesnoy RJ, Pedersen GM:** Inhibitory effect of growth hormone on Gross passage A virus-induced thymus leukemia in C3Hf mice. Cancer Res 39(2 Pt 1):415-8, Feb 79
ANIMAL/ ANIMALS, NEWBORN/ FEMALE/ GROSS VIRUS/ LEUKEMIA, EXPERIMENTAL, etiology/ *LEUKEMIA, EXPERIMENTAL, prevention & control/ MALE/ MICE/ MICE, INBRED C3H/ *SOMATOTROPIN, pharmacodynamics/ THYMUS GLAND, drug effects/ THYMUS NEOPLASMS, etiology/ *THYMUS NEOPLASMS, prevention & control/ TUMOR VIRUS INFECTIONS, prevention & control/ UNITED STATES GOV'T SUPPORTED, P.H.S.

929. **Durante E:** Scala dei grigi e B-scan stabile contrastato nella visualizzazione ultrasonica della tiroide. Minerva Med 69(51):3491-508, 27 Oct 78 (Eng. Abstr.) **(Ita)**
COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ METHODS/ *THYROID DISEASES, diagnosis/ *THYROID NEOPLASMS, diagnosis/ *ULTRASONICS, diagnostic use

930. **Durham BH:** A simplified method for the estimation of urinary oestrogens during pregnancy. Med Lab Sci 35(4):321-4, Oct 78
*ESTROGENS, urine/ FEMALE/ HUMAN/ INDICATORS AND REAGENTS/ PREGNANCY TRIMESTER, THIRD/ *PREGNANCY/ SPECTROMETRY, FLUORESCENCE, methods

931. **Durie BG, Salmon SE, Mundy GR:** Multiple myeloma: clinical staging and role of osteoclast activating factor in localized bone loss. pp. 319-29.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.
ANIMAL/ BIOLOGICAL ASSAY/ BONE AND BONES, drug effects/ BONE AND BONES, metabolism/ BONE MARROW, physiopathology/ *BONE RESORPTION/ CALCIUM, metabolism/ CELLS, CULTURED/ FETUS/ HUMAN/ LYMPHOKINES, pharmacodynamics/ *LYMPHOKINES, physiology/ MACROGLOBULINEMIA, physiopathology/ MONOGRAPH/ *MULTIPLE MYELOMA, physiopathology/ ORGAN CULTURE/ *OSTEOCLASTS, physiology/ RATS

932. **Dustin JP, Ecoffey JP:** A field test for detecting iodine-enriched salt. Bull WHO 56(4):657-8, 1978
*FOOD, FORTIFIED, analysis/ *IODIDES, analysis/ METHODS/ *SODIUM CHLORIDE

933. **Dusting GJ, Moncada S, Mullane KM, et al:** Implications of prostacyclin generation for modulation of vascular tone. Clin Sci Mol Med 55 Suppl 4:195s-198s, Dec 78
ANIMAL/ *ARACHIDONIC ACIDS, blood/ BIOTRANSFORMATION/ *BLOOD PRESSURE/ BLOOD PRESSURE, drug effects/ DOGS/ FEMALE/ INDOMETHACIN, pharmacodynamics/ *LUNG, metabolism/ MALE/ *PROSTAGLANDINS X, blood/ PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, blood/ VASOCONSTRICTION, drug effects/ VASODILATION, drug effects

934. **Duvic M, Steinberg AD, Klassen LW:** Effect of the anti-estrogen, nafoxidine, on NZB/W autoimmune disease. Arthritis Rheum 21(4):414-7, May 78
ANIMAL/ ANTINUCLEAR FACTORS, analysis/ AUTOIMMUNE DISEASES, etiology/ AUTOIMMUNE DISEASES, immunology/ *AUTOIMMUNE DISEASES, prevention & control/ *ESTROGENS, physiology/ FEMALE/ GLOMERULONEPHRITIS, etiology/ *GLOMERULONEPHRITIS, immunology/ GLOMERULONEPHRITIS, prevention & control/ MICE/ MICE, INBRED NZB/ *NAFOXIDINE, therapeutic use/ PROTEINURIA, etiology/ *PYRROLIDINES, therapeutic use/ RECEPTORS, ESTROGEN, drug effects/ *RECEPTORS, ESTROGEN, physiology

935. **Dvořák O, Vebersík V, Chmelík V, et al:** Komplexní léčba rakoviny vaječníku. Cesk Gynekol 43(10):745-8, Nov 78 (Eng. Abstr.) **(Cze)**
CZECHOSLOVAKIA/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, surgery/ *OVARIAN NEOPLASMS, therapy/ POSTOPERATIVE CARE/ RETROSPECTIVE STUDIES

936. **Dwyer JT, Dietz WH Jr, Hass G, et al:** Risk of nutritional rickets among vegetarian children. Am J Dis Child 133(2):134-40, Feb 79
BOSTON/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ EATING/ HUMAN/ INFANT/ MALE/ RECORDS/ RICKETS, drug therapy/ *RICKETS, etiology/ RICKETS, radiography/ RISK/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VEGETARIANISM/ VITAMIN D DEFICIENCY, complications/ VITAMIN D DEFICIENCY, etiology/ VITAMIN D, therapeutic use

937. **Dy M, Astoin M:** Action des lymphokines produites en système de greffe sur la production de prostaglandines par les macrophages. C R Acad Sci [D] (Paris) 287(6):663-6, 25 Sep 78 (Eng. Abstr.) **(Fre)**
ANIMAL/ BIOLOGICAL ASSAY/ ENGLISH ABSTRACT/ *LYMPHOKINES, biosynthesis/ *MACROPHAGES, metabolism/ MALE/ MICE/ MICE, INBRED STRAINS/ *PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, pharmacodynamics/ SKIN, blood supply/ *SKIN, transplantation/ TRANSPLANTATION IMMUNOLOGY/ TRANSPLANTATION, ALLOGENEIC

938. **Dyball RE, Shaw FD:** Inactivation of oxytocin release during prolonged electrical stimulation of the rat neural lobe [proceedings] J Physiol (Lond) 284:123P, Nov 78
ANIMAL/ CALCIUM, metabolism/ ELECTRIC STIMULATION/ IN VITRO/ ION CHANNELS, physiology/ *OXYTOCIN, secretion/ *PITUITARY GLAND, POSTERIOR, secretion/ RATS

939. **Dyer RG, Mayes LC:** Electrical stimulation of the hypothalamus: new observations on the parameters necessary for ovulation in rats anaesthetised with pentobarbitone during the pro-oestrous 'critical period'. Exp Brain Res 33(3-4):583-92, 15 Nov 78
*ANESTHESIA, GENERAL/ ANIMAL/ COMPARATIVE STUDY/ ELECTRIC STIMULATION/ *ESTRUS, drug effects/ FEMALE/ *HYPOTHALAMUS, physiology/ HYPOTHALAMUS, ANTERIOR, physiology/ HYPOTHALAMUS, MEDIAL, physiology/ MEDIAN EMINENCE, physiology/ *OVULATION, drug effects/ *PENTOBARBITAL/ PREOPTIC AREA, physiology/ *PROESTRUS, drug effects/ RATS

940. **Dyer RG:** 'Electrochemical stimulation' of the hypothalamus--a demonstration that this technique does not cause the direct excitation of peptidergic neurones [proceedings] J Physiol (Lond) 284:1P-2P, Nov 78
ANIMAL/ ELECTROCHEMISTRY/ FEMALE/ HYPOTHALAMUS, cytology/ *HYPOTHALAMUS, physiology/ IRON, pharmacodynamics/ NEURONS, drug effects/ NEURONS, physiology/ RATS

941. **Dyment PG, Doering EJ, Asimont LA:** Probable cure of acute lymphocytic leukemia following relapses. JAMA 241(8):829, 23 Feb 79
*ANTINEOPLASTIC AGENTS, administration & dosage/ CASE REPORT/ CHILD/ DRUG THERAPY, COMBINATION, methods/ FOLLOW-UP STUDIES/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, drug therapy/ LEUKEMIA, LYMPHOBLASTIC, mortality/ LEUKEMIA, LYMPHOBLASTIC, radiotherapy/ MALE/ REMISSION/ *TESTICULAR NEOPLASMS, drug therapy/ TESTICULAR NEOPLASMS, radiotherapy

942. **Dzhangirov PL:** Funktsional'nye vzaimootnosheniia gipotalamusa i neokorteksa u krolika.
Zh Evol Biokhim Fiziol 14(6):603-6, Nov-Dec 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ BRAIN MAPPING/ *CEREBRAL CORTEX, physiology/ ENGLISH ABSTRACT/ EVOKED POTENTIALS/ *HYPOTHALAMUS, physiology/ HYPOTHALAMUS, POSTERIOR, physiology/ NEURAL PATHWAYS, physiology/ RABBITS

943. **Dziak R:** Effects of vitamin D3 metabolites on bone cell calcium transport. Calcif Tissue Res 26(1):65-70, 10 Nov 78

ADENOSINE TRIPHOSPHATE, metabolism/ BIOLOGICAL TRANSPORT, drug effects/ BONE AND BONES, cytology/ *BONE AND BONES, metabolism/ *CALCIUM, metabolism/ CELLS, CULTURED/ *CHOLECALCIFEROLS, pharmacodynamics/ DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ IODOACETAMIDE, pharmacodynamics/ LACTATES, metabolism/ SKIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

E

944. **Ebling JF:** Anti-androgens in hirsutism. Int J Dermatol 18(1):39–41. Jan–Feb 79
ADOLESCENCE/ ADULT/ ANDROGENS, metabolism/ *CYPROTERONE, therapeutic use/ FEMALE/ *HIRSUTISM, drug therapy/ HIRSUTISM, metabolism/ HUMAN

945. **Echeverria J, Kaude JV:** Multifocal tuberculous osteomyelitis. Pediatr Radiol 7(4):238–40, 4 Dec 78
*BONE AND BONES, radiography/ CASE REPORT/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *OSTEOMYELITIS, radiography/ *TUBERCULOSIS, OSTEOARTICULAR, radiography

946. **Echternkamp SE:** Stimulation of estrogen and luteinizing hormone secretion in postpartum beef cows. J Anim Sci 47(2):521–31, Aug 78
ANIMAL/ CASTRATION/ *CATTLE, physiology/ COMPARATIVE STUDY/ ESTRADIOL, blood/ ESTRADIOL, secretion/ *ESTROGENS, secretion/ ESTRONE, blood/ ESTRONE, secretion/ FEMALE/ GONADOTROPINS, EQUINE, pharmacodynamics/ *LH, secretion/ PITUITARY HORMONE RELEASING HORMONES, pharmacodynamics/ PREGNANCY/ PROGESTERONE, blood/ *PUERPERIUM/ WEANING

947. **Eckshtein N, Ismajowich B, Yedwab G, et al:** Combined tubal and multiple intrauterine pregnancies following ovulation induction. Fertil Steril 30(6):707–9, Dec 78
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ MENOTROPINS, pharmacodynamics/ *OVULATION INDUCTION/ PREGNANCY/ *PREGNANCY, MULTIPLE/ *PREGNANCY, TUBAL/ STERILITY, FEMALE, drug therapy

948. **Edelstein S, Sheves M, Mazur Y, et al:** Synthesis and biological action of 3-deoxy-vitamin D3 and 3-deoxy-25-hydroxyvitamin D3. FEBS Lett 97(2):241–4, 15 Jan 79
ANIMAL/ BIOLOGICAL ASSAY/ BONE AND BONES, drug effects/ CALCIUM, blood/ CALCIUM-BINDING PROTEIN, VITAMIN D-DEPENDENT, metabolism/ CHICKENS/ *CHOLECALCIFEROLS, chemical synthesis/ CHOLECALCIFEROLS, pharmacodynamics/ *HYDROXYCHOLECALCIFEROLS, chemical synthesis/ HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ INTESTINAL MUCOSA, drug effects/ INTESTINAL MUCOSA, metabolism/ MALE

949. **Edis AJ, Beart RW Jr:** Parathyroid autotransplantation: an innovative approach. Hosp Pract 14(1):78–84, Jan 79
ADENOMA, complications/ ADENOMA, surgery/ ADULT/ CASE REPORT/ FOREARM, surgery/ HUMAN/ HYPERPARATHYROIDISM, etiology/ HYPERPARATHYROIDISM, surgery/ MALE/ METHODS/ MUSCLES, surgery/ *PARATHYROID GLANDS, transplantation/ PARATHYROID NEOPLASMS, complications/ PARATHYROID NEOPLASMS, surgery/ TRANSPLANTATION, AUTOLOGOUS

950. **Edsmyr F, Esposti PL, Johansson B, et al:** Clinical experimental randomized study of 2.6-cis-diphenylhexamethylcyclotetrasiloxane and estramustine-17-phosphate in the treatment of prostatic carcinoma. J Urol 120(6):705–7, Dec 78
AGED/ *ESTRAMUSTINPHOSPHATE, therapeutic use/ *ESTROGENS, NON-STEROIDAL, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ *NITROGEN MUSTARD COMPOUNDS, therapeutic use/ PROSTATIC NEOPLASMS, blood/ *PROSTATIC NEOPLASMS, drug therapy/ RANDOM ALLOCATION/ *SILICONES, therapeutic use/ *SILOXANES, therapeutic use

951. **Edvinsson L, Lindvall M:** Autonomic vascular innervation and vasomotor reactivity in the choroid plexus. Exp Neurol 62(2):394–404, Nov 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ADENOSINE, pharmacodynamics/ ANIMAL/ CATECHOLAMINES, pharmacodynamics/ CATTLE/ *CHOROID PLEXUS, blood supply/ FEMALE/ HISTAMINE, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ POTASSIUM CHLORIDE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ RECEPTORS, ADRENERGIC, drug effects/ *RECEPTORS, ADRENERGIC, physiology/ RECEPTORS, ADRENERGIC, BETA, drug effects/ RECEPTORS, ADRENERGIC, BETA, physiology/ RECEPTORS, CHOLINERGIC, drug effects/ *RECEPTORS, CHOLINERGIC, physiology/ TERBUTALINE, pharmacodynamics/ VASOCONSTRICTION/ VASODILATION/ *VASOMOTOR SYSTEM, physiology

952. **Edwards BR, Stern P:** Calcium and sodium excretion in rats in response to prolonged treatment with polythiazide. Nephron 22(4–6):432–8, 1978
ANIMAL/ BODY WEIGHT, drug effects/ *CALCIUM, urine/ DIURESIS, drug effects/ EXTRACELLULAR SPACE, drug effects/ PARATHYROID GLANDS, surgery/ PARATHYROID HORMONE, physiology/ *POLYTHIAZIDE, pharmacodynamics/ RATS/ *SODIUM, urine/ THYROIDECTOMY/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *WATER-ELECTROLYTE BALANCE, drug effects

953. **Efendic S, Lins PE, Cerasi E:** Potentiation and inhibition of insulin release in man following priming with glucose and with arginine--effect of somatostatin.
Acta Endocrinol (Copenh) 90(2):259–71, Feb 79
ADULT/ ARGININE, administration & dosage/ *ARGININE, pharmacodynamics/ DRUG SYNERGISM/ FEMALE/ GLUCAGON, secretion/ GLUCOSE, administration & dosage/ *GLUCOSE, pharmacodynamics/ HUMAN/ INFUSIONS, PARENTERAL/ *INSULIN, secretion/ MALE/ SOMATOTROPIN RELEASING HORMONE, administration & dosage/ *SOMATOTROPIN RELEASING HORMONE, pharmacodynamics/ TIME FACTORS

954. **Egorova IF:** Vkliuchenie 3H-éstradiola v élementy tanitsitarnoĭ i resnichnoĭ épendimy III zheludochka mozga v opytakh in vitro. Probl Endokrinol (Mosk) 25(1):57–62, Jan–Feb 79 (Eng. Abstr.) **(Rus)**
ANIMAL/ CEREBRAL VENTRICLES, cytology/ *CEREBRAL VENTRICLES, metabolism/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ EPENDYMA, cytology/ *EPENDYMA, metabolism/ *ESTRADIOL, metabolism/ HYPOTHALAMUS, cytology/ *HYPOTHALAMUS, metabolism/ MALE/ RATS/ TIME FACTORS

955. **Ehrlich EN:** Mineralocorticoids in normal and hypertensive pregnancies. Semin Perinatol 2(1):61–71, Jan 78 (61 ref.)
*ALDOSTERONE, physiology/ ALDOSTERONE, secretion/ CORTICOTROPIN, pharmacodynamics/ *DESOXYCORTICOSTERONE, physiology/ DESOXYCORTICOSTERONE, secretion/ FEMALE/ HUMAN/ HYPERTENSION, etiology/ *HYPERTENSION, physiopathology/ *PREGNANCY COMPLICATIONS, CARDIOVASCULAR, physiopathology/ *PREGNANCY/ REVIEW/ SODIUM, metabolism

956. **Ehrlich YH, Prasad KN, Sinha PK, et al:** Selective changes in the phosphorylation of endogenous proteins in subcellular fractions from cyclic AMP-induced differentiated neuroblastoma cells. Neurochem Res 3(6):803–13, Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ CELL DIFFERENTIATION, drug effects/ CELL LINE/ MEMBRANE PROTEINS, metabolism/ MOLECULAR WEIGHT/ *NEOPLASM PROTEINS, metabolism/ NEOPLASMS, EXPERIMENTAL, metabolism/

*NEUROBLASTOMA, metabolism/ *PHOSPHOPROTEINS, metabolism/ PHOSPHORYLATION/ SUBCELLULAR FRACTIONS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

957. **Ehrström C:** Fetal movement monitoring in normal and high-risk pregnancy. Acta Obstet Gynecol Scand [Suppl] (80):1-32, 1979
ADULT/ CASE REPORT/ ELECTRONICS, MEDICAL/ ESTRIOL, urine/ EVALUATION STUDIES/ FEMALE/ *FETAL DISEASES, diagnosis/ FETAL GROWTH RETARDATION, diagnosis/ *FETAL MONITORING/ HUMAN/ MOVEMENT/ PLACENTAL LACTOGEN, blood/ *PREGNANCY COMPLICATIONS/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY

958. **Eickenbusch W:** Schilddrüsenüber- und -unterfunktion in der Praxis. Diagnose und Therapie. ZFA (Stuttgart) 55(3):132-43, 31 Jan 79 **(Ger)**
ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, drug therapy/ HYPOTHYROIDISM, congenital/ *HYPOTHYROIDISM, diagnosis/ INFANT/ MALE/ MIDDLE AGE/ THYROID ANTAGONISTS, therapeutic use/ THYROID FUNCTION TESTS/ THYROID HORMONES, therapeutic use

959. **Eigler N, Saccà L, Sherwin RS:** Synergistic interactions of physiologic increments of glucagon, epinephrine, and cortisol in the dog: a model for stress-induced hyperglycemia. J Clin Invest 63(1):114-23, Jan 79
ANIMAL/ BLOOD SUGAR, metabolism/ DISEASE MODELS, ANIMAL/ DOGS/ DRUG SYNERGISM/ EPINEPHRINE, administration & dosage/ *EPINEPHRINE, pharmacodynamics/ GLUCAGON, administration & dosage/ *GLUCAGON, pharmacodynamics/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, pharmacodynamics/ *HYPERGLYCEMIA, etiology/ MALE/ STRESS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

960. **Einhorn LH, Williams SD:** The role of cis-platinum in solid-tumor therapy. N Engl J Med 300(6):289-91, 8 Feb 79 (19 ref.)
AGE FACTORS/ ANTINEOPLASTIC AGENTS, administration & dosage/ BLADDER NEOPLASMS, drug therapy/ *DIAMMONIUM CHLOROPLATINUM COMPOUNDS, therapeutic use/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ FEMALE/ HEAD AND NECK NEOPLASMS, drug therapy/ HUMAN/ INFUSIONS, PARENTERAL/ INJECTIONS, INTRAVENOUS/ MALE/ *NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, drug therapy/ PLATINUM DIAMMINODICHLORIDE, administration & dosage/ PLATINUM DIAMMINODICHLORIDE, adverse effects/ *PLATINUM DIAMMINODICHLORIDE, therapeutic use/ REVIEW/ TESTICULAR NEOPLASMS, drug therapy/ UNITED STATES GOV'T SUPPORTED, P.H.S.

961. **Eisenbud E, Walter RM Jr:** Sarcoidosis with extreme hypercalcemia [letter] Chest 74(5):604, Nov 78
ADULT/ CASE REPORT/ HUMAN/ *HYPERCALCEMIA, etiology/ MALE/ *SARCOIDOSIS, complications

962. **Eisner M, Derech K, Gołębiowska I, et al:** Wyniki testów z ACTH, wazopresyna i testu tolerancji insuliny u otyłych. Ann Acad Med Stetin 24:413-23, 1978 (Eng. Abstr.) **(Pol)**
ADOLESCENCE/ ADULT/ *CORTICOTROPIN, diagnostic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ *INSULIN, diagnostic use/ MALE/ MIDDLE AGE/ *OBESITY, physiopathology/ PITUITARY-ADRENAL SYSTEM, physiopathology/ *VASOPRESSINS, diagnostic use

963. **Ekeström S, Liljeqvist L, Nordhus O, et al:** Persisting hypertension after renal artery reconstruction. A follow-up study. Scand J Urol Nephrol 13(1):83-8, 1979
ADOLESCENCE/ ADULT/ FEMALE/ FOLLOW-UP STUDIES/ HEART ENLARGEMENT, diagnosis/ HEART ENLARGEMENT, etiology/ HUMAN/ *HYPERTENSION, RENAL, surgery/ HYPERTENSION, RENOVASCULAR, etiology/ HYPERTENSION, RENOVASCULAR, radiography/ *HYPERTENSION, RENOVASCULAR, surgery/ KIDNEY FUNCTION TESTS/ MALE/ MIDDLE AGE/ RADIOISOTOPE RENOGRAPHY/ RECURRENCE/ *RENAL ARTERY OBSTRUCTION, surgery/ RENAL ARTERY STENOSIS, complications/ *RENAL ARTERY STENOSIS, surgery/ RENAL ARTERY, radiography/ RENIN, blood

964. **Ekstrand T, Glitterstam K:** Bell's palsy-beneficial effect of treatment with adrenocorticotrophic hormone (ACTH) in patients with a poor prognosis.
Acta Otolaryngol (Stockh) 87(1-2):9-15, Jan-Feb 79
CLINICAL RESEARCH/ *CORTICOTROPIN, therapeutic use/ DRUG EVALUATION/ FACIAL PARALYSIS, diagnosis/ *FACIAL PARALYSIS, drug therapy/ FOLLOW-UP STUDIES/ HUMAN/ PROGNOSIS/ REFLEX/ SIALOGRAPHY/ STAPEDIUS, physiopathology

965. **El Etreby MF, Wrobel KH:** Effect of cyproterone acetate, d-norgestrel and progesterone on the canine mammary gland. Cell Tissue Res 194(2):245-67, 20 Nov 78
ANIMAL/ *CYPROTERONE, pharmacodynamics/ DOGS/ DNA, analysis/ FEMALE/ HISTOCYTOCHEMISTRY/ MAMMAE, anatomy & histology/ *MAMMAE, drug effects/ MAMMAE, growth & development/ *NORGESTREL, pharmacodynamics/ *PROGESTERONE, pharmacodynamics/ STATISTICS

966. **Elis J, Krsiak M, Pöschlová N:** Effect of alcohol given at different periods of gestation on brain serotonin in offspring. Act Nerv Super (Praha) 20(4):287-8, 1978
*ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL/ *BRAIN, metabolism/ FEMALE/ *FETUS, drug effects/ MALE/ PREGNANCY/ RATS/ *SEROTONIN, metabolism

967. **El'kind EIu, Kalantarov KD, Kuznetsov VA, et al:** Otsenka funktsional'nykh i klinicheskikh kachestv novogo dvukhdatchikovogo gamma-topografa GSG-2. Med Tekh (1):50-1, Jan-Feb 79 (Eng. Abstr.) **(Rus)**
BONE AND BONES, radionuclide imaging/ COLOR/ ENGLISH ABSTRACT/ HUMAN/ KIDNEY, radionuclide imaging/ LIVER, radionuclide imaging/ LUNG, radionuclide imaging/ MODELS, STRUCTURAL/ *RADIONUCLIDE IMAGING, instrumentation/ THYROID GLAND, radionuclide imaging

968. **Ellendorff F, Poulain DA, Vincent JD:** An electrophysiological study of septal input to oxytocin and vasopressin neurones in the supraoptic nucleus of the rat [proceedings] J Physiol (Lond) 284:124P, Nov 78
ACTION POTENTIALS/ ANIMAL/ *HYPOTHALAMUS, physiology/ *NEURONS, physiology/ *OXYTOCIN, physiology/ RATS/ SEPTUM PELLUCIDUM, physiology/ SUPRAOPTIC NUCLEUS, cytology/ *SUPRAOPTIC NUCLEUS, physiology/ *VASOPRESSINS, physiology

969. **Ellis LC, Buhrley LE Jr, Hargrove JL:** Species differences in contractility of seminiferous tubules and tunica albuginea as related to sperm transport through the testis.
Arch Androl 1(2):139-46, 1978
ANIMAL/ CHIPMUNKS/ HAMSTERS/ IN VITRO/ MALE/ MESOCRICETUS/ MICE/ *MUSCLE CONTRACTION/ MUSCLE CONTRACTION, drug effects/ ORGAN WEIGHT/ OXYTOCIN, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ RABBITS/ RATS/ REPRODUCTION/ *SEMINIFEROUS TUBULES, physiology/ SPERM TRANSPORT/ TESTIS, anatomy & histology/ *TESTIS, physiology

970. **Ellis S, Vodian MA, Grindeland RE:** Studies on the bioassayable growth hormone-like activity of plasma.
Recent Prog Horm Res 34:213-38, 1978 (33 ref.)
ANIMAL/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY, GEL/ HUMAN/ METHODS/ PLASMAPHERESIS/ RADIOIMMUNOASSAY/ RATS/ REVIEW/ *SOMATOTROPIN, blood/ SOMATOTROPIN, isolation & purification/ TIBIA

971. **Elphick MC, Edson JL, Hull D:** Effect of maternal glucose infusions on fatty acid transport across the placenta in rabbits. Biol Neonate 34(5-6):231-7, 1978
ANIMAL/ FATTY ACIDS, NONESTERIFIED, blood/ *FATTY ACIDS, NONESTERIFIED, metabolism/ FEMALE/ FETAL BLOOD, analysis/ GESTATIONAL AGE/ GLUCOSE, administration & dosage/ *GLUCOSE, pharmacodynamics/ INFUSIONS, PARENTERAL/ INSULIN, blood/ INSULIN, metabolism/ MATERNAL-FETAL EXCHANGE/ *PLACENTA, metabolism/ PREGNANCY/ RABBITS

972. **Elsaesser F, Ellendorff F, Smidt D:** Die Milchprogesteron-Bestimmung als Mittel zur Objektivierung des Fruchtbarkeitsstatus von Milchkuhherden in der Post-partum-Phase. DTW 86(2):53-4, 5 Feb 79 (Eng. Abstr.) **(Ger)**
ANIMAL/ CATTLE/ ENGLISH ABSTRACT/ FEMALE/ *FERTILITY/ *MILK, analysis/ *PROGESTERONE, analysis/ PUERPERIUM/ TIME FACTORS

973. **Elsner B, Blanco G, Curutchet HP, et al:** Carcinoma indiferenciado de células grandes de tiroides. Estudio anátomo-clínico de 21 casos. Medicina (B Aires) 38(4):378-88, Jul-Aug 78 (Eng. Abstr.) **(Spa)**
ADULT/ AGED/ *CARCINOMA, pathology/ CARCINOMA, PAPILLARY, pathology/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *THYROID NEOPLASMS, pathology

974. **Emara SH, Fat-Halla MM, Omar MA:** Effect of excess iodine supplement on serum total proteins, electrophoretic patterns and body weight of Fayoumi chickens. Z Ernaehrungswiss 17(4):191-6, Dec 78
ANIMAL/ *BLOOD PROTEINS, metabolism/ BODY WEIGHT, drug effects/ CHICKENS/ ELECTROPHORESIS, AGAR GEL/ FEMALE/ *IODINE, pharmacodynamics/ MALE/ SEX FACTORS

975. **Emerson TE Jr, Raymond RM:** Methylprednisolone in the prevention of cerebral hemodynamic and metabolic disorders during endotoxin shock in the dog. Surg Gynecol Obstet 148(3):361-6, Mar 79
ANIMAL/ BRAIN, metabolism/ CEREBROVASCULAR CIRCULATION, drug effects/ *CEREBROVASCULAR DISORDERS, drug therapy/ CEREBROVASCULAR DISORDERS, metabolism/ CEREBROVASCULAR DISORDERS, prevention & control/ DOGS/ ESCHERICHIA COLI/ FEMALE/ GLUCOSE, metabolism/ HEMODYNAMICS, drug effects/ MALE/ METHYLPREDNISOLONE, pharmacodynamics/ *METHYLPREDNISOLONE, therapeutic use/ *SHOCK, SEPTIC, drug therapy/ SHOCK, SEPTIC, physiopathology

976. **Emmrich J:** Retroperitoneales Lipom--differentialdiagnostische Aspekte. Geburtshilfe Frauenheilkd 39(2):161-2, Feb 79 (Eng. Abstr.) **(Ger)**
CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LIPOMA, diagnosis/ LIPOMA, surgery/ MIDDLE AGE/ OVARIAN NEOPLASMS, diagnosis/ *RETROPERITONEAL NEOPLASMS, diagnosis/ RETROPERITONEAL NEOPLASMS, surgery

977. **Emson PC, Lindvall O:** Distribution of putative neurotransmitters in the neocortex. Neuroscience 4(1):1-30, 1979 (178 ref.)
ACETYLCHOLINE, analysis/ ANIMAL/ ASPARTIC ACID, analysis/ BIOGENIC AMINES, analysis/ BRAIN MAPPING/ *CEREBRAL CORTEX, analysis/ COMPARATIVE STUDY/ DOPAMINE, analysis/ GLUTAMATES, analysis/ GLYCINE, analysis/ GABA, analysis/ HISTAMINE, analysis/ INDOLES, analysis/ *NEUROHUMORS, analysis/ NEUROTENSIN, analysis/ NOREPINEPHRINE, analysis/ PEPTIDES, analysis/ RATS/ RECEPTORS, ADRENERGIC, analysis/ RECEPTORS, DOPAMINE, analysis/ REVIEW/ SEROTONIN, analysis/ SOMATOTROPIN RELEASE INHIBITING HORMONE, analysis/ SUBSTANCE P, analysis/ TAURINE, analysis/ VASOACTIVE INTESTINAL PEPTIDE, analysis

978. **Enbergs H, Lotzemer-Jentges K, Gentz H, et al:** Kontrolle der luteolytischen Wirkung eines neuen Prostaglandin F2 alpha-Analogs bei der Behandlung von Stuten mit Anöstrie und Dyszyklie unter fortlaufender Bestimmung des Progesteronspiegels im Plasma. Zuchthygiene 13(4):152-60, Dec 78 (Eng. Abstr.) **(Ger)**
*ANESTRUS, drug effects/ ANIMAL/ ENGLISH ABSTRACT/ *ESTRUS, drug effects/ FEMALE/ HORSES/ *LUTEOLYTIC AGENTS/ PROGESTERONE, blood/ *PROSTAGLANDINS F, SYNTHETIC, pharmacodynamics

979. **Enbergs H:** Radioimmunologische Untersuchungen zum Verlauf des Progesteronspiegels im Blut von tragenden Kaninchen unter Berücksichtigung der Jahreszeit und der Zahl der Neugeborenen. Berl Muench Tieraerztl Wochenschr 92(2):32-4, 15 Jan 79 (Eng. Abstr.) **(Ger)**
ANIMAL/ ENGLISH ABSTRACT/ FEMALE/ *LITTER SIZE/ PREGNANCY/ PREGNANCY, ANIMAL/ *PROGESTERONE, blood/ RABBITS/ *SEASONS

980. **Endo H, Obinata A, Hirato YA, et al:** [Adrenocortical control of epidermal cell differentiation demonstrated by combined morphological and biochemical studies of the in ovo and in vitro development of chick embryonic shank skin (author's transl)] Tanpakushitsu Kakusan Koso 23(13):1290-302, 1978 (24 ref.) **(Jpn)**
*ADRENAL CORTEX HORMONES, physiology/ AMINO ACIDS, analysis/ ANIMAL/ *CELL DIFFERENTIATION/ CELL DIFFERENTIATION, drug effects/ CHICK EMBRYO/ CULTURE MEDIA/ EPIDERMIS, analysis/ *EPIDERMIS, cytology/ EPIDERMIS, embryology/ HYDROCORTISONE, pharmacodynamics/ PROTEINS, analysis/ REVIEW/ TISSUE CULTURE, methods

981. **Engelhard VH, Storm DR, Glaser M:** Negative cooperativity exhibited by prostaglandin E1 stimulated adenylate cyclase in LM cells. Biochemistry 17(24):5304-8, 28 Nov 78
ADENOSINE TRIPHOSPHATE, pharmacodynamics/ *ADENYL CYCLASE, metabolism/ CELL LINE/ CELL MEMBRANE, enzymology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FLUORIDES, pharmacodynamics/ GUANOSINE TRIPHOSPHATE, pharmacodynamics/ KINETICS/ MAGNESIUM, pharmacodynamics/ MICE/ *PROSTAGLANDINS E, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

982. **Engesaeter LB, Ekeland A, Langeland N:** Methods for testing the mechanical properties of the rat femur. Acta Orthop Scand 49(6):512-8, Dec 78
ANIMAL/ *BIOMECHANICS/ *BONE AND BONES, physiology/ EPIPHYSES, physiology/ EQUIPMENT AND SUPPLIES/ *FEMUR, physiology/ METHODS/ RATS/ ROTATION/ STRESS, MECHANICAL

983. **Engesaeter LB, Skar AG:** Effects of oxytetracycline on the mechanical properties of bone and skin in young rats. Acta Orthop Scand 49(6):529-34, Dec 78
ANIMAL/ BODY WEIGHT, drug effects/ *BONE AND BONES, drug effects/ *BONE DEVELOPMENT, drug effects/ MALE/ OXYTETRACYCLINE, blood/ *OXYTETRACYCLINE, pharmacodynamics/ RATS/ *SKIN, drug effects/ WOUND HEALING, drug effects

984. **English ML, Stammer CH:** D-Ala2, deltaZPhe4-methionine enkephalin amide, a dehydropeptide hormone. Biochem Biophys Res Commun 85(2):780-2, 29 Nov 78
ANIMAL/ BINDING SITES/ BIOLOGICAL ASSAY/ CHYMOTRYPSIN, metabolism/ DRUG STABILITY/ *ENDORPHINS, chemical synthesis/ *ENKEPHALINS, chemical synthesis/ ENKEPHALINS, pharmacodynamics/ ILEUM, drug effects/ PROTEIN CONFORMATION/ RECEPTORS, HORMONE, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP

985. **English PC:** Failure to thrive without organic reason. Pediatr Ann 7(11):774-81, Nov 78
ADULT/ CHILD/ *CHILD, INSTITUTIONALIZED/ CHILD, PRESCHOOL/ FEMALE/ FOLLOW-UP STUDIES/ GASTROINTESTINAL DISEASES, complications/ GROWTH DISORDERS, diagnosis/ *GROWTH DISORDERS, etiology/ HUMAN/

HYPOPITUITARISM, complications/ INFANT/ INFANT, NEWBORN/ MALE/ *MOTHER-CHILD RELATIONS/ NUTRITION DISORDERS, complications/ PATIENT CARE TEAM/ SOCIAL ENVIRONMENT/ *SOCIAL ISOLATION

986. **Englund DE, Johansson ED:** Plasma levels of oestrone, oestradiol and gonadotrophins in postmenopausal women after oral and vaginal administration of conjugated equine oestrogens (Premarin). Br J Obstet Gynaecol 85(12):957–64, Dec 78
ADMINISTRATION, ORAL/ *ESTRADIOL, blood/ *ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ *ESTRONE, blood/ FEMALE/ FSH, blood/ HUMAN/ LH, blood/ MENOPAUSE/ MIDDLE AGE/ PREMARIN, administration & dosage/ *PREMARIN, pharmacodynamics/ VAGINA

987. **Enigk K, Dey-Hazra A:** Einfluss einer Strongyloidesinfektion auf die Bildung von Gastrin und auf andere Hormone beim Schwein. Zentralbl Veterinaermed [B] 25(9):697–706, Nov 78 (Eng. Abstr.) **(Ger)**
ANIMAL/ ENGLISH ABSTRACT/ FEMALE/ *GASTRINS, blood/ HYDROCORTISONE, blood/ INSULIN, blood/ MALE/ PEPSINOGEN, blood/ STRONGYLOIDIASIS, blood/ *STRONGYLOIDIASIS, veterinary/ *SWINE DISEASES, blood/ SWINE

988. **Enjalbert A, Ruberg M, Fiore L, et al:** Effect of morphine on the dopamine inhibition of pituitary prolactin release in vitro. Eur J Pharmacol 53(2):211–2, 1 Jan 79
ANIMAL/ *DOPAMINE, antagonists & inhibitors/ IN VITRO/ MALE/ *MORPHINE, pharmacodynamics/ NALOXONE, pharmacodynamics/ *PITUITARY GLAND, drug effects/ *PROLACTIN, secretion/ RATS

989. **Ennever J, Vogel JJ, Boyan-Salyers B, et al:** Characterization of calculus matrix calcification nucleator. J Dent Res 58(2):619–23, Feb 79
ACTINOMYCETACEAE, physiology/ APATITES/ CALCIFICATION, PHYSIOLOGIC/ CALCINOSIS, metabolism/ CHROMATOGRAPHY, methods/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, LIQUID, methods/ COMPARATIVE STUDY/ CRYSTALLIZATION/ *DENTAL CALCULUS, analysis/ HUMAN/ *PHOSPHOLIPIDS, analysis/ *PROTEINS, analysis/ *PROTEOLIPIDS, analysis/ PROTEOLIPIDS, physiology

990. **Epshtein EV:** Sutochnye kolebaniia sekretsii nekotorykh gormonov pri ozhireniia. Probl Endokrinol (Mosk) 25(1):15–9, Jan–Feb 79 (Eng. Abstr.) **(Rus)**
ALDOSTERONE, secretion/ BRAIN DISEASES, complications/ BRAIN DISEASES, metabolism/ COMPARATIVE STUDY/ CORTICOTROPIN, secretion/ ENGLISH ABSTRACT/ *HORMONES, secretion/ HUMAN/ HYDROCORTISONE, secretion/ HYPOTHALAMUS/ OBESITY, etiology/ *OBESITY, metabolism/ RENIN, secretion/ SOMATOTROPIN, secretion/ THYROTROPIN, secretion/ THYROXINE, secretion

991. **Epstein F, Marlin AE, Wald A:** Chronic headache in the shunt-dependent adolescent with nearly normal ventricular volume: diagnosis and treatment. Neurosurgery 3(3):351–5, Nov-Dec 78
ADOLESCENCE/ CASE REPORT/ *CEREBROSPINAL FLUID SHUNTS/ CEREBROSPINAL FLUID SHUNTS, adverse effects/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HEADACHE, drug therapy/ *HEADACHE, etiology/ HUMAN/ HYDROCEPHALUS, surgery/ INFANT/ *INTRACRANIAL PRESSURE/ INTRACRANIAL PRESSURE, drug effects/ MALE/ METHYLPREDNISOLONE, pharmacodynamics/ METHYLPREDNISOLONE, therapeutic use/ PERITONEAL CAVITY/ RADIONUCLIDE IMAGING/ *VENTRICULOGRAPHY, CEREBRAL

992. **Epstein FH, Charney AN, Silva P:** Factors influencing the increase in Na-K-ATPase in compensatory renal hypertrophy. Yale J Biol Med 51(3):365–72, May-Jun 78
*ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM, metabolism/ ADRENALECTOMY/ ANIMAL/ GLOMERULAR FILTRATION RATE/ HYPERTROPHY/ *KIDNEY CORTEX, enzymology/ *KIDNEY MEDULLA, enzymology/ KIDNEY, pathology/ *KIDNEY, physiology/ MALE/ NEPHRECTOMY/ POTASSIUM DEFICIENCY/ POTASSIUM, urine/ RATS/ SODIUM, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

993. **Epstein PM, Pledger WJ, Gardner EA, et al:** Activation of mammalian cyclic AMP phosphodiesterases by trypsin. Biochim Biophys Acta 527(2):442–55, 8 Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ BINDING SITES/ BRAIN/ CELL LINE/ COMPARATIVE STUDY/ ENZYME ACTIVATION/ FEMALE/ FIBROBLASTS, enzymology/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ KINETICS/ NERVE TISSUE PROTEINS, pharmacodynamics/ RATS/ SUBSTRATE SPECIFICITY/ *TRYPSIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UTERUS, enzymology/ *3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism

994. **Erbler HC:** Effect of spironolactone and its main metabolite canrenone on the renin-angiotensin-aldosterone-system during long-term treatment in rats. Acta Endocrinol (Copenh) 90(1):147–56, Jan 79
ADMINISTRATION, ORAL/ *ALDOSTERONE, metabolism/ *ANGIOTENSIN II, metabolism/ ANIMAL/ CANRENONE, administration & dosage/ CANRENONE, blood/ *CANRENONE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ MALE/ *PREGNADIENES, pharmacodynamics/ RATS/ *RENIN, blood/ SPIRONOLACTONE, administration & dosage/ *SPIRONOLACTONE, pharmacodynamics/ TIME FACTORS/ WATER-ELECTROLYTE BALANCE, drug effects

995. **Erhardt J:** Concerning vitamins [letter] West J Med 129(6):507–8, Dec 78
ANIMAL/ HUMAN/ VITAMIN D, biosynthesis/ VITAMIN K DEFICIENCY/ *VITAMINS/ VITAMINS, biosynthesis

996. **Eriksson A, Berlin T, Colliste L, et al:** Priapism: surgical or medical treatment? Scand J Urol Nephrol 13(1):1–3, 1979
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ANESTHESIA, EPIDURAL/ CASE REPORT/ DRUG THERAPY, COMBINATION/ HEPARIN, therapeutic use/ HUMAN/ IMPOTENCE, etiology/ MALE/ PRIAPISM, complications/ *PRIAPISM, drug therapy/ PRIAPISM, surgery/ *STREPTOKINASE, therapeutic use/ WARFARIN, therapeutic use

997. **Erwald R, Wiechel KL:** Effect of vasopressin on central and splanchnic hemodynamics in awake man. Acta Chir Scand 144(6):347–58, 1978
ACUTE DISEASE/ ADULT/ AGED/ BLOOD PRESSURE, drug effects/ CARDIAC OUTPUT, drug effects/ CENTRAL VENOUS PRESSURE, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HEART RATE, drug effects/ *HEMODYNAMICS, drug effects/ HUMAN/ INFUSIONS, PARENTERAL/ LIVER CIRRHOSIS, physiopathology/ LYPRESSIN, administration & dosage/ *LYPRESSIN, pharmacodynamics/ MALE/ MIDDLE AGE/ PANCREATITIS, physiopathology/ VENOUS PRESSURE, drug effects

998. **Eskes TK:** Het begin van de baring bij de mens. Ned Tijdschr Geneeskd 123(7):247–54, 17 Feb 79 **(Dut)**
CENTRAL NERVOUS SYSTEM, physiology/ CERVIX UTERI, physiology/ FEMALE/ HORMONES, physiology/ HUMAN/ *LABOR ONSET/ *LABOR/ PLACENTA, physiology/ PREGNANCY/ PROSTAGLANDINS, physiology/ UTERINE CONTRACTION

999. **Estape J, Milla A, Agusti A, et al:** VP 16-213 (VP 16) and cyclophosphamide in the treatment of primitive lung cancer in phase M 1. Cancer 43(1):72–7, Jan 79
ADULT/ AGED/ BONE MARROW, drug effects/ COMPARATIVE STUDY/ *CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, adverse effects/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ *LUNG NEOPLASMS, drug therapy/ MALE/ MIDDLE AGE/ *PODOPHYLLOTOXIN, analogs & derivatives/ PREDNISONE, administration & dosage/ REMISSION/ VINCRISTINE, administration & dosage/ *VP 16-213, administration & dosage/ VP 16-213, adverse effects

1000. **Etkin W:** The thyroid--a gland in search of a function.
Perspect Biol Med 22(1):19-30, Autumn 78
ADAPTATION, PHYSIOLOGICAL/ AMPHIBIA, physiology/ ANIMAL/ BODY TEMPERATURE REGULATION/ *EVOLUTION/ FISHES, physiology/ HUMAN/ IODINE, metabolism/ IODINE, physiology/ *THYROID GLAND, physiology/ THYROID HORMONES, biosynthesis/ THYROID HORMONES, physiology/ *VERTEBRATES, physiology

1001. **(Evans HM), Bennett LL:** Herbert Mc Lean Evans, a rare spirit.
Perspect Biol Med 22(1):90-103, Autumn 78
ANATOMY, education/ ANATOMY, history/ CALIFORNIA/ *ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 20TH CENT.

1002. **Evertson LR, Gauthier RJ, Schifrin BS, et al:** Antepartum fetal heart rate testing. I. Evolution of the nonstress test.
Am J Obstet Gynecol 133(1):29-33, 1 Jan 79
CALIFORNIA/ FEMALE/ FETAL DEATH, diagnosis/ *FETAL DISEASES, diagnosis/ *FETAL HEART, physiopathology/ *HEART RATE/ HUMAN/ INFANT MORTALITY/ OXYTOCIN, pharmacodynamics/ PREGNANCY/ PRENATAL DIAGNOSIS, methods/ STIMULATION, CHEMICAL/ UTERINE CONTRACTION, drug effects

1003. **Evin G, Gardes J, Kreft C, et al:** Soluble pepstatins: a new approach to blockade in vivo of the renin-angiotensin system.
Clin Sci Mol Med 55 Suppl 4:167s-169s, Dec 78
ANIMAL/ DISEASE MODELS, ANIMAL/ HYPERTENSION, RENOVASCULAR, drug therapy/ MALE/ *OLIGOPEPTIDES, pharmacodynamics/ *PEPSTATINS, pharmacodynamics/ PEPSTATINS, therapeutic use/ RATS/ *RENIN, antagonists & inhibitors/ SARALASIN, therapeutic use/ SOLUBILITY

1004. **Exner GU, Sacher M, Shmerling DH, et al:** Growth retardation and bone mineral status in children with coeliac disease recognized after the age of 3 years.
Helv Paediatr Acta 33(6):497-507, Dec 78
ADOLESCENCE/ AGE DETERMINATION BY SKELETON/ BODY HEIGHT/ BODY WEIGHT/ *BONE AND BONES, metabolism/ *CELIAC DISEASE, complications/ CELIAC DISEASE, diagnosis/ CHILD/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ GROWTH DISORDERS, diagnosis/ *GROWTH DISORDERS, etiology/ HUMAN/ INFANT/ MALE/ *MINERALS, metabolism

1005. **Eyquem A, Heuze D, Schwartz J, et al:** Implications of heterophile antigens in immunological infertility in males.
Arch Androl 1(3):241-8, May 78
AFRICA/ AGGLUTININS, analysis/ ANIMAL/ *ANTIGENS, HETEROGENETIC/ AUTOANTIBODIES, analysis/ *AUTOIMMUNE DISEASES, immunology/ BURNS, immunology/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ FILARIASIS, immunology/ GOATS/ HUMAN/ IMMUNIZATION/ MALE/ MONILIASIS, immunology/ RABBITS/ SEMEN, immunology/ *SPERMATOZOA, immunology/ STERILITY, MALE, etiology/ *STERILITY, MALE, immunology/ STREPTOCOCCAL INFECTIONS, immunology/ STREPTOCOCCUS, immunology/ TESTIS, immunology

1006. **Eyre P:** Dopamine potentiates anaphylactic contraction of pulmonary vein of calf.
Res Commun Chem Pathol Pharmacol 22(3):447-53, Dec 78
*ANAPHYLAXIS, physiopathology/ ANIMAL/ CATTLE/ *DOPAMINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ IN VITRO/ PULMONARY VEINS/ SEROTONIN, pharmacodynamics/ *VASOCONSTRICTION, drug effects

F

1007. **Fabbri G:** Osservazioni cliniche sull'impiego dell'althesin come anestetico di mantenimento in chirurgia ortopedica.
Minerva Anestesiol 44(5):329-34, May 78 (Eng. Abstr.) **(Ita)**
ADOLESCENCE/ ADULT/ AGED/ *ALTHESIN/ ALTHESIN, administration & dosage/ ALTHESIN, adverse effects/ ANESTHESIA, INTRAVENOUS, adverse effects/ *ANESTHESIA, INTRAVENOUS, methods/ CHILD/ DEXTROMORAMIDE, administration & dosage/ DRUG EVALUATION/ ENGLISH ABSTRACT/ FENTANYL, administration & dosage/ HUMAN/ MEPERIDINE, administration & dosage/ MIDDLE AGE/ *ORTHOPEDICS/ PENTAZOCINE, administration & dosage/ PREANESTHETIC MEDICATION/ *PREGNANEDIONES/ PREGNANEDIONES, administration & dosage/ PREGNANEDIONES, adverse effects

1008. **Fabre J:** La polyarthrite rhumatoïde. Brux Med (12):655-61, Dec 78 **(Fre)**
*ANTI-INFLAMMATORY AGENTS, therapeutic use/ *ANTIMALARIALS, therapeutic use/ *ARTHRITIS, RHEUMATOID, drug therapy/ CORTICOTROPIN, therapeutic use/ CORTISONE, therapeutic use/ GOLD, therapeutic use/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ PENICILLAMINE, therapeutic use

1009. **Fabre J:** Edèmes pyrazoliques et action rénale des prostaglandines. Praxis 68(8):243-6, 20 Feb 79 **(Fre)**
ALDOSTERONE, blood/ *ANALGESICS, ANTI-INFLAMMATORY, adverse effects/ BARTTER'S DISEASE, physiopathology/ *EDEMA, chemically induced/ HUMAN/ *KIDNEY, drug effects/ NEPHRITIS, INTERSTITIAL, physiopathology/ *PROSTAGLANDIN ANTAGONISTS, pharmacodynamics/ *PROSTAGLANDINS E, physiology/ *PYRAZOLES, adverse effects

1010. **Fabricant RN, Todaro GJ, Eldridge R:** Increased levels of a nerve-growth-factor cross-reacting protein in 'central' neurofibromatosis.
Lancet 1(8106):4-7, 6 Jan 79
ADOLESCENCE/ ADULT/ ANTIGENS, immunology/ BINDING, COMPETITIVE/ CELL DIVISION/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ MALE/ *NERVE GROWTH FACTOR, blood/ *NEUROFIBROMATOSIS, blood/ NEUROFIBROMATOSIS, familial & genetic/ NEUROFIBROMATOSIS, immunology/ *NEUROMA, ACOUSTIC, blood/ NEUROMA, ACOUSTIC, familial & genetic/ NEUROMA, ACOUSTIC, immunology/ PERIPHERAL NERVE NEOPLASMS, blood/ RADIOIMMUNOASSAY, methods/ THROMBOSIS, enzymology

1011. **Fagard R, Amery A, Lijnen P, et al:** Effects of 1-Sar-8-Ala-angiotensin II on systemic and pulmonary haemodynamics in hypertensive patients.
Clin Exp Pharmacol Physiol 5(5):457-64, Sep-Oct 78
ADULT/ ANGIOTENSIN I, blood/ *ANGIOTENSIN II, analogs & derivatives/ BLOOD PRESSURE, drug effects/ CARDIAC OUTPUT, drug effects/ DIET, SALT-FREE/ EPINEPHRINE, blood/ FEMALE/ HEART RATE, drug effects/ HUMAN/ HYPERTENSION, blood/ *HYPERTENSION, physiopathology/ HYPERTENSION, RENAL, blood/ *HYPERTENSION, RENAL, physiopathology/ MALE/ NOREPINEPHRINE, blood/ RENIN, blood/ *SARALASIN, pharmacodynamics/ VASCULAR RESISTANCE, drug effects

1012. **Fagard R, Amery A, Reybrouck T, et al:** Effects of labetalol on systemic and pulmonary haemodynamics at rest and during exercise in hypertensive patients.
Clin Sci Mol Med 55 Suppl 4:279s-281s, Dec 78
ADULT/ ALDOSTERONE, blood/ *ETHANOLAMINES, therapeutic use/ EXERTION/ FEMALE/ *HEMODYNAMICS, drug effects/ HUMAN/ *HYPERTENSION, drug therapy/ HYPERTENSION, physiopathology/ LABETALOL, pharmacodynamics/ *LABETALOL, therapeutic use/ MALE/ MIDDLE AGE/ POSTURE/ PULMONARY CIRCULATION, drug effects/ RENIN, blood

1013. **Fagard R, Amery A, Lijnen P, et al:** Does renin lower blood-pressure? [letter]
Lancet 1(8106):51, 6 Jan 79
ADULT/ *BLOOD PRESSURE/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ HYPERTENSION, etiology/ MALE/ RENIN, deficiency/ *RENIN, physiology/ VASCULAR RESISTANCE

1014. **Faguer C, Darbois Y, Pathier D, et al:** Pathologie neurologique et grossesse. A propos de 189 observations en série continue

(1971--1976). J Gynecol Obstet Biol Reprod (Paris) 7(6):1097-121, Sep 78 (Eng. Abstr.) (Fre)
ABORTION, THERAPEUTIC/ ARTERIOVENOUS MALFORMATIONS, complications/ BRAIN ABSCESS, complications/ BRAIN INJURIES, ACUTE/ BRAIN NEOPLASMS, complications/ CEREBRAL EMBOLISM AND THROMBOSIS, complications/ CEREBROVASCULAR DISORDERS, complications/ ENGLISH ABSTRACT/ EPILEPSY, complications/ FEMALE/ HUMAN/ MULTIPLE SCLEROSIS, complications/ *NERVOUS SYSTEM DISEASES, complications/ NEUROMUSCULAR DISEASES, complications/ PITUITARY NEOPLASMS, complications/ POLIOMYELITIS, complications/ *PREGNANCY COMPLICATIONS, etiology/ PREGNANCY/ PSYCHOSES, complications

1015. **Fahim MS, Fahim Z, Azzazi F:** Effect of ultrasound on testicular electrolytes (sodium and potassium). Arch Androl 1(2):179-84, 1978
ANIMAL/ CELL NUMBER/ CYNOMOLGUS MONKEYS/ MALE/ MONKEYS/ *POTASSIUM, metabolism/ RATS/ RETE TESTIS, metabolism/ SEMEN, cytology/ SEMINIFEROUS TUBULES, metabolism/ *SODIUM, metabolism/ SPERMATOZOA, cytology/ *TESTIS, metabolism/ *ULTRASONICS

1016. **Fainaru M, Silver J:** A method for studying plasma transport of vitamin D applicable to hypervitaminosis D. Clin Chim Acta 91(3):303-7, 1 Feb 79
BIOLOGICAL TRANSPORT/ BLOOD PROTEIN ELECTROPHORESIS/ BLOOD PROTEINS, metabolism/ CARRIER PROTEINS, blood/ ELECTROPHORESIS, AGAR GEL/ HUMAN/ HYDROXYCHOLECALCIFEROLS, blood/ MALE/ METHODS/ SERUM GLOBULINS, metabolism/ *VITAMIN D, blood/ VITAMIN D, poisoning

1017. **Falaiye JM:** The pathogenesis of cirrhotic ascites. Niger Med J 8(5):438-42, Sep 78 (22 ref.)
ANIMAL/ *ASCITES, etiology/ ASCITES, physiopathology/ CAPILLARY PERMEABILITY/ HUMAN/ HYPERALDOSTERONISM, complications/ HYPERTENSION, PORTAL, complications/ *LIVER CIRRHOSIS, etiology/ LIVER CIRRHOSIS, physiopathology/ OSMOTIC PRESSURE/ REVIEW/ SERUM ALBUMIN

1018. **Falcone G, Viviani C:** Sull'impiego dell'althesin, come agente unico di narcosi, in chirurgia ostetrico-ginecologica. Minerva Anestesiol 44(5):335-7, May 78 (Eng. Abstr.)(Ita)
ADULT/ AGED/ *ALTHESIN/ ALTHESIN, administration & dosage/ ALTHESIN, adverse effects/ ANESTHESIA, INTRAVENOUS, adverse effects/ *ANESTHESIA, INTRAVENOUS, methods/ ANESTHESIA, OBSTETRICAL, adverse effects/ *ANESTHESIA, OBSTETRICAL, methods/ DRUG EVALUATION/ ENGLISH ABSTRACT/ FEMALE/ *GENITAL DISEASES, FEMALE, surgery/ HUMAN/ MIDDLE AGE/ PREANESTHETIC MEDICATION/ PREGNANCY/ *PREGNANEDIONES/ PREGNANEDIONES, administration & dosage/ PREGNANEDIONES, adverse effects

1019. **Falk WE, Mahnke MW, Poskanzer DC:** Lithium prophylaxis of corticotropin-induced psychosis. JAMA 241(10):1011-2, 9 Mar 79
ACUTE DISEASE/ *CORTICOTROPIN, adverse effects/ CORTICOTROPIN, antagonists & inhibitors/ CORTICOTROPIN, therapeutic use/ HUMAN/ LITHIUM, pharmacodynamics/ *LITHIUM, therapeutic use/ MULTIPLE SCLEROSIS, drug therapy/ PSYCHOSES, TOXIC, etiology/ *PSYCHOSES, TOXIC, prevention & control

1020. **Falkay G, Herczeg J, Kovács L:** Effect of beta-mimetic isoxsuprine on prostaglandin biosynthesis in pregnant human myometrium in vitro. Life Sci 23(27-28):2689-96, 31 Dec 78
EPINEPHRINE, pharmacodynamics/ FEMALE/ HUMAN/ IN VITRO/ *ISOXSUPRINE, pharmacodynamics/ MICROSOMES, drug effects/ MICROSOMES, metabolism/ *MYOMETRIUM, drug effects/ MYOMETRIUM, metabolism/ *PREGNANCY, drug effects/ PRESSURE/ PROSTAGLANDINS E, biosynthesis/ PROSTAGLANDINS F, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ *UTERUS, drug effects

1021. **Falkay G, Herczeg J, Sas M:** In vitro prostaglandin biosynthesis in human pregnant uterus from arachidonic acid. Acta Biol Med Ger 37(5-6):941-3, 1976
*ARACHIDONIC ACIDS, metabolism/ FEMALE/ HUMAN/ MICROSOMES, metabolism/ *PREGNANCY/ PROSTAGLANDINS D, biosynthesis/ PROSTAGLANDINS E, biosynthesis/ PROSTAGLANDINS F, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ *UTERUS, metabolism

1022. **Fallo F, Armanini D, Maragno I, et al:** Plasma renin activity in coarctation of the aorta before and after surgical correction. Br Heart J 40(12):1415-8, Dec 78
ADOLESCENCE/ ADULT/ *AORTIC COARCTATION, blood/ AORTIC COARCTATION, complications/ AORTIC COARCTATION, surgery/ BLOOD PRESSURE/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HYPERTENSION, etiology/ IN VITRO/ MALE/ MIDDLE AGE/ *RENIN, blood

1023. **Fanburg BL:** Drug therapy reviews: treatment of sarcoidosis. Am J Hosp Pharm 36(3):351-4, Mar 79 (46 ref.)
ADRENAL CORTEX HORMONES, therapeutic use/ GRANULOMA, drug therapy/ HUMAN/ LUNG DISEASES, drug therapy/ REMISSION/ REVIEW/ *SARCOIDOSIS, drug therapy/ SARCOIDOSIS, physiopathology

1024. **Fanchenko ND, Sturchak SV, Shchedrina RN, et al:** The specificity of the human uterine receptor. Acta Endocrinol (Copenh) 90(1):167-75, Jan 79
ANDROSTENOLS, metabolism/ ANDROSTERONE, metabolism/ BINDING, COMPETITIVE/ CORTISONE, metabolism/ *ESTRADIOL, metabolism/ ESTROGENS, metabolism/ FEMALE/ HUMAN/ HYDROCORTISONE, metabolism/ PROGESTERONE, metabolism/ *RECEPTORS, ESTROGEN, metabolism/ *UTERUS, metabolism

1025. **Fanelli V:** Ricettario di terapia dell'osteoporosi. Clin Ter 86(4):385-8, 31 Aug 78 (Ita)
HUMAN/ *OSTEOPOROSIS, drug therapy

1026. **Fang CH, Awai M, Nakatuka H, et al:** Malignant pituitary chromophobe adenoma in an infant accompanying diabetes insipidus. Acta Pathol Jpn 28(6):995-1002, Nov 78
*ADENOMA, CHROMOPHOBE, complications/ ADENOMA, CHROMOPHOBE, pathology/ CASE REPORT/ *DIABETES INSIPIDUS, etiology/ DIABETES INSIPIDUS, pathology/ HUMAN/ INFANT/ MALE/ PITUITARY GLAND, pathology/ *PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, pathology

1027. **Fang VS:** Cytotoxic activity of 1-(o-chlorophenyl)-1-(p-chlorophenyl)-2,2-dichloroethane (mitotane) and its analogs on feminizing adrenal neoplastic cells in culture. Cancer Res 39(1):139-45, Jan 79
*ADRENAL GLAND NEOPLASMS, drug therapy/ ADRENAL GLAND NEOPLASMS, physiopathology/ ADRENAL GLAND NEOPLASMS, ultrastructure/ CELL LINE/ CELL SURVIVAL, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTROGENS, biosynthesis/ FEMINIZATION, physiopathology/ MITOCHONDRIA, drug effects/ *MITOTANE, analogs & derivatives/ *MITOTANE, pharmacodynamics

1028. **Farello G, Pozone M:** Mezzi e metodiche in tema di biopsia ossea. Minerva Med 69(54):3701-4, 10 Nov 78 (Eng. Abstr.) (Ita)
BIOPSY, instrumentation/ *BIOPSY, methods/ *BONE AND BONES, pathology/ *BONE DISEASES, diagnosis/ BONE DISEASES, pathology/ *BONE NEOPLASMS, diagnosis/ BONE NEOPLASMS, pathology/ ENGLISH ABSTRACT/ HUMAN

1029. **Farese RV, Rodriguez ME, O'Malley BC, et al:** Combined hypothalamic hypothyroidism and secondary adrenal insufficiency. Misdiagnosed as primary hypothyroidism. Arch Intern Med 139(1):99-100, Jan 79
*ADRENAL GLAND HYPOFUNCTION, diagnosis/ ADRENAL GLAND HYPOFUNCTION, etiology/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM/

*HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, etiology/ MIDDLE AGE/ THYROID FUNCTION TESTS/ THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, blood

1030. **Fargas E, Fargasová I:** Kritika dnešních tendencí v léčení polohových anomálií varlat. Cas Lek Cesk 117(43):1357–9, 27 Oct 78 (Eng. Abstr.) **(Cze)**
CRYPTORCHISM, drug therapy/ CRYPTORCHISM, surgery/ *CRYPTORCHISM, therapy/ ENGLISH ABSTRACT/ HUMAN/ MALE/ METHODS/ SEX HORMONES, therapeutic use

1031. **Farías RN, Uñates LE, Moreno H, et al:** Human growth hormone active site for membrane cooperative enzymes. Biochem Biophys Res Commun 85(1):85–91, 14 Nov 78
*ACETYLCHOLINESTERASE, blood/ *ADENOSINE TRIPHOSPHATASE, CALCIUM, metabolism/ ANIMAL/ BINDING SITES/ *CELL MEMBRANE, enzymology/ *ERYTHROCYTE MEMBRANE, enzymology/ *ERYTHROCYTES, enzymology/ *ESCHERICHIA COLI, enzymology/ FLUORIDES, pharmacodynamics/ INSULIN, pharmacodynamics/ KINETICS/ MALE/ RATS/ SODIUM, pharmacodynamics/ *SOMATOTROPIN, pharmacodynamics

1032. **Farid NR, Sampson L, Noel EP, et al:** A study of human leukocyte D locus related antigens in Graves' disease. J Clin Invest 63(1):108–13, Jan 79
ALLELES/ FEMALE/ GENES, IMMUNE RESPONSE/ GOITER, EXOPHTHALMIC, familial & genetic/ *GOITER, EXOPHTHALMIC, immunology/ HUMAN/ *HL-A ANTIGENS/ HL-A ANTIGENS, genetics/ MALE/ PEDIGREE/ PREGNANCY

1033. **Farner HP:** Untersuchungen zur Embryonalentwicklung des Gehirns von Scyliorhinus canicula (L.). I. Bildung der Hirngestalt, Migrationsmodi und -phasen, Bau des Zwischenhirns. J Hirnforsch 19(4):313–32, 1978 (Eng. Abstr.) **(Ger)**
ANIMAL/ BRAIN, anatomy & histology/ *BRAIN, embryology/ CELL DIFFERENTIATION/ DIENCEPHALON, anatomy & histology/ *DIENCEPHALON, embryology/ ENGLISH ABSTRACT/ HYPOTHALAMUS, embryology/ MESENCEPHALON, embryology/ PARAVENTRICULAR NUCLEUS, embryology/ PINEAL BODY, embryology/ PREOPTIC AREA, embryology/ SHARKS, anatomy & histology/ *SHARKS, embryology/ THALAMUS, embryology

1034. **Farnsworth WE, Cavanaugh AH, Brown JR, et al:** Factors underlying infertility in the alcoholic. Arch Androl 1(2):193–5, 1978
*ALCOHOLISM, complications/ ESTRADIOL, blood/ HUMAN/ IMPOTENCE, blood/ *IMPOTENCE, etiology/ LIVER DISEASES, ALCOHOLIC, blood/ LIVER DISEASES, ALCOHOLIC, complications/ MALE/ SEX HORMONE BINDING GLOBULIN, blood/ TESTOSTERONE, blood

1035. **Farriaux JP, Dhond JL, Cartigny B:** Le dépistage néo-natal de l'hypothyroïde congénitale. Nouv Presse Med 7(36):3241–4, 21 Oct 78 (Eng. Abstr.) **(Fre)**
ENGLISH ABSTRACT/ HUMAN/ *HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, prevention & control/ INFANT, NEWBORN/ RADIOIMMUNOASSAY/ THYROID GLAND, physiopathology/ THYROTROPIN, blood/ THYROXINE, blood

1036. **Farsang C, Debreczeni L, Kerényi A, et al:** Effect of vasopressin on myocardial reactive hyperaemia in the isolated fibrillating dog heart. Acta Med Acad Sci Hung 34(3):169–81, 1977
ANIMAL/ BLOOD CIRCULATION, drug effects/ *CORONARY DISEASE, physiopathology/ DOGS/ *HEART, drug effects/ HEART, physiopathology/ *HYPEREMIA, physiopathology/ *MYOCARDIUM, metabolism/ PERFUSION/ VASOPRESSINS, administration & dosage/ *VASOPRESSINS, pharmacodynamics

1037. **Farver CF, de Wied D, Toivola PT:** Effect of corticotrophin on cortisol secretion in castrated rhesus monkeys. J Endocrinol 79(2):247–8, Nov 78
ANIMAL/ CASTRATION/ *CORTICOTROPIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HYDROCORTISONE, blood/ *HYDROCORTISONE, secretion/ MALE/ MONKEYS/ RHESUS MONKEYS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1038. **Favus MJ:** Vitamin D physiology and some clinical aspects of the vitamin D endocrine system. Med Clin North Am 62(6):1291–317, Nov 78
ADOLESCENCE/ ADULT/ ANIMAL/ BONE AND BONES, metabolism/ BONE RESORPTION/ CALCIUM, metabolism/ CHILD/ CHOLECALCIFEROLS, metabolism/ HUMAN/ HYPOPARATHYROIDISM, etiology/ INTESTINES, metabolism/ KIDNEY, metabolism/ LIVER CIRRHOSIS, BILIARY, etiology/ MALABSORPTION SYNDROMES, etiology/ OSTEOMALACIA, etiology/ PARATHYROID GLANDS, metabolism/ PHOSPHORUS, metabolism/ RATS/ RENAL OSTEODYSTROPHY, etiology/ RENAL TUBULAR TRANSPORT, INBORN ERRORS, etiology/ VITAMIN D, metabolism/ *VITAMIN D, physiology/ VITAMIN D, poisoning

1039. **Feder AS, Freeman R:** Malignant course of thyroid cancer [letter] N Engl J Med 300(11):624–5, 15 Mar 79
ADULT/ *CARCINOMA, PAPILLARY, pathology/ CASE REPORT/ FEMALE/ HUMAN/ NEOPLASM METASTASIS/ PROGNOSIS/ *THYROID NEOPLASMS, pathology

1040. **Feely J, Stevenson IH:** The effect of age and hyperthyroidism on plasma propranolol steady state concentration [proceedings] Br J Clin Pharmacol 6(5):446P, Nov 78
AGING/ HUMAN/ *HYPERTHYROIDISM, blood/ *PROPRANOLOL, blood

1041. **Fehm HL, Voigt KH, Kummer G, et al:** Hemmung der ACTH-Hypersekretion beim Morbus Addison durch serotonin-antagonistische Neuropharmaka. Verh Dtsch Ges Inn Med (84):1463–5, 1978 **(Ger)**
*ADDISON'S DISEASE, drug therapy/ *CORTICOTROPIN, secretion/ CYPROHEPTADINE, therapeutic use/ HUMAN/ *SEROTONIN ANTAGONISTS

1042. **Feinendegen LE:** Minimal transit times. Nuklearmedizin 17(5):185–93, Oct 78
CARDIAC VOLUME/ *CORONARY CIRCULATION/ CORONARY DISEASE, physiopathology/ HEART VALVE DISEASES, physiopathology/ *HEART, radionuclide imaging/ HUMAN/ HYPOTHYROIDISM, physiopathology/ MODELS, BIOLOGICAL/ PROPRANOLOL, pharmacodynamics/ PULMONARY CIRCULATION/ SMOKING, physiopathology

1043. **Feinstein RN, Fry RJ, Staffeldt EF:** Comparative effects of aminotriazole on normal and acatalasemic mice. J Environ Pathol Toxicol 1(6):779–89, Jul-Aug 78
*AMITROLE, pharmacodynamics/ ANIMAL/ BODY WEIGHT, drug effects/ *CATALASE, blood/ COMPARATIVE STUDY/ DIET/ FEMALE/ MALE/ *METABOLISM, INBORN ERRORS, physiopathology/ MICE/ MICE, INBRED C3H/ MICE, INBRED C57BL/ ORGAN WEIGHT, drug effects/ TAIL, drug effects/ THYROID GLAND, drug effects/ TIME FACTORS/ *TRIAZOLES, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED

1044. **Fejerskov O:** Human dentition and experimental animals. J Dent Res 58 Spec No 8:725–34, Mar 79
AMELOBLASTS, cytology/ AMELOBLASTS, enzymology/ AMELOBLASTS, metabolism/ AMELOBLASTS, physiology/ *AMELOGENESIS/ ANIMAL/ ANIMALS, LABORATORY, anatomy & histology/ *ANIMALS, LABORATORY, physiology/ CALCIUM, metabolism/ COMPARATIVE STUDY/ CRYSTALLOGRAPHY/ DENTAL ENAMEL, metabolism/ *DENTAL ENAMEL, physiology/ DENTAL ENAMEL, ultrastructure/ DENTITION/ DOGS/ HUMAN/ INFANT, NEWBORN/ MONKEYS/ RATS/ SWINE/ *TOOTH CALCIFICATION

1045. **Felber BK, Ryffel GU, Weber R:** Estradiol-induced accumulation of vitellogenin mRNA and secretion of vitellogenin in liver cultures of Xenopus. Mol Cell Endocrinol 12(2):151–66, Nov 78
ANIMAL/ CELLS, CULTURED/ *ESTRADIOL,

pharmacodynamics/ KINETICS/ *LIPOPROTEINS, biosynthesis/ LIVER, drug effects/ *LIVER, metabolism/ LIVER, ultrastructure/ MALE/ NUCLEIC ACID HYBRIDIZATION/ *RNA, MESSENGER, metabolism/ TRANSLATION, GENETIC, drug effects/ *VITELLOGENIN, biosynthesis/ XENOPUS

1046. **Feldman JM, Blalock JA, Fagraeus L, et al:** Alterations in plasma norepinephrine concentration during surgical resection of pheochromocytoma. Ann Surg 188(6):758–68, Dec 78
ADOLESCENCE/ ADRENAL GLAND NEOPLASMS, blood/ ADRENAL GLAND NEOPLASMS, physiopathology/ *ADRENAL GLAND NEOPLASMS, surgery/ ADULT/ BLOOD PRESSURE/ CARCINOMA, blood/ CARCINOMA, complications/ CASE REPORT/ CATECHOLAMINES, secretion/ CATTLE/ FEMALE/ HEART RATE/ HUMAN/ MALE/ MIDDLE AGE/ *NOREPINEPHRINE, blood/ PHEOCHROMOCYTOMA, blood/ PHEOCHROMOCYTOMA, physiopathology/ *PHEOCHROMOCYTOMA, surgery/ THYROID NEOPLASMS, blood/ THYROID NEOPLASMS, complications/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1047. **Feldman JM, Blalock JA, Farrell RE, et al:** Plasma norepinephrine response to standing in patients with pheochromocytoma or medullary carcinoma of the thyroid. Arch Intern Med 139(1):81–5, Jan 79
ADOLESCENCE/ *ADRENAL GLAND NEOPLASMS, blood/ ADULT/ BLOOD PRESSURE/ *CARCINOMA, blood/ CHILD/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ MALE/ MIDDLE AGE/ *NEOPLASMS, MULTIPLE PRIMARY, blood/ *NOREPINEPHRINE, blood/ *PHEOCHROMOCYTOMA, blood/ *POSTURE/ *THYROID NEOPLASMS, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1048. **Feldt-Rasmussen U, Lange AP, Date J, et al:** Effect of clomifene on thyroid function in normal men. Acta Endocrinol (Copenh) 90(1):43–51, Jan 79
ADULT/ *CLOMIPHENE, pharmacodynamics/ FSH, blood/ HUMAN/ LH, blood/ MALE/ PROTEIN BINDING, drug effects/ *THYROID GLAND, drug effects/ THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, blood/ THYROXINE BINDING PROTEIN, analysis/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

1049. **Feller DD, Neville ED:** Insulin-like effect of bovine growth hormone in vivo as demonstrated by oxidation of 14C-U-glucose in diabetic rats. Physiol Chem Phys 10(4):291–304, 1978
ACETATES, metabolism/ ANIMAL/ BLOOD SUGAR, metabolism/ CARBON DIOXIDE, metabolism/ CATTLE/ COMPARATIVE STUDY/ *DIABETES MELLITUS, EXPERIMENTAL, metabolism/ FATTY ACIDS, NONESTERIFIED, blood/ *GLUCOSE, metabolism/ *INSULIN, pharmacodynamics/ MALE/ PYRUVATES, metabolism/ RATS/ *SOMATOTROPIN, pharmacodynamics

1050. **Felsl I, Klemm J, Uhlich E:** Vasopressin- Sekretion bei Karotis-Angiographie. MMW 121(3):95–6, 19 Jan 79 **(Ger)**
*CAROTID ARTERIES, radiography/ HUMAN/ OSMOLAR CONCENTRATION/ POTASSIUM, blood/ SODIUM, blood/ VASOPRESSINS, blood/ *VASOPRESSINS, secretion

1051. **Felt V, Nedvídková J:** Kombinace tyroxinu a trijódtyroninu v léčbě hypotyreóz. Cas Lek Cesk 117(46):1432–6, 1978 (Eng. Abstr.) **(Cze)**
ADULT/ AGED/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, drug therapy/ MALE/ MIDDLE AGE/ *THYROXINE, therapeutic use/ *TRIIODOTHYRONINE, therapeutic use

1052. **Fennelly JJ:** Addisonian syndrome associated with treosulfan [letter] Lancet 1(8107):106, Jan 79
*ADDISON'S DISEASE, chemically induced/ *ANTINEOPLASTIC AGENTS, adverse effects/ *BUSULFAN, analogs & derivatives/ BUSULFAN, adverse effects/ HUMAN

1053. **Feo F:** Le malattie autoallergiche. Parte I. Minerva Med 69(50):3483–7, 20 Oct 78 **(Ita)**
*AUTOIMMUNE DISEASES/ BRAIN DISEASES, immunology/ ENDOCRINE DISEASES, immunology/ EYE DISEASES, immunology/ HUMAN/ KIDNEY DISEASES, immunology/ LIVER DISEASES, immunology/ SPERMATOZOA, immunology/ STERILITY, MALE, immunology

1054. **Ferland L, Kledzik GS, Cusan L, et al:** Evidence for a role of endorphins in stress- and suckling-induced prolactin release in the rat. Mol Cell Endocrinol 12(3):267–72, Dec 78
ANIMAL/ ANIMALS, SUCKLING/ *ENDORPHINS, physiology/ ETHER, ETHYL/ FEMALE/ *LACTATION/ MALE/ *NALOXONE, pharmacodynamics/ PREGNANCY/ *PROLACTIN, secretion/ RATS/ STRESS, chemically induced/ *STRESS, physiopathology

1055. **Ferrari M:** Effects of digoxin and digoxin plus furosemide on plasma renin activity of hypertensive patients [letter] Circ Res 44(2):295, Feb 79
*DIGOXIN, therapeutic use/ DRUG THERAPY, COMBINATION/ *FUROSEMIDE, therapeutic use/ HUMAN/ *HYPERTENSION, drug therapy/ *RENIN, blood

1056. **Ferrer J, Diez-Ewald M, García R, et al:** Effects of triiodothyronine on the anemia of chronic renal failure. Am J Hematol 5(2):139–43, 1978
ADULT/ ANEMIA, blood/ *ANEMIA, complications/ ANEMIA, drug therapy/ FEMALE/ HUMAN/ IRON, blood/ KIDNEY FAILURE, CHRONIC, blood/ *KIDNEY FAILURE, CHRONIC, complications/ KIDNEY FAILURE, CHRONIC, drug therapy/ MALE/ MIDDLE AGE/ THYROTROPIN, blood/ TRIIODOTHYRONINE, blood/ *TRIIODOTHYRONINE, therapeutic use

1057. **Ferris TF:** Postpartum renal insufficiency. Kidney Int 14(4):383–92, Oct 78
ADOLESCENCE/ BLOOD COAGULATION/ CASE REPORT/ DISSEMINATED INTRAVASCULAR COAGULATION, metabolism/ FEMALE/ HUMAN/ HYPERTENSION, metabolism/ *KIDNEY FAILURE, ACUTE, metabolism/ MODELS, BIOLOGICAL/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, metabolism/ PREGNANCY COMPLICATIONS, HEMATOLOGIC, metabolism/ PREGNANCY TOXEMIAS, metabolism/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS E, urine/ PROSTAGLANDINS, biosynthesis/ *PUERPERAL DISORDERS, metabolism/ RENIN, blood/ RENIN, secretion

1058. **Ferrucci JT Jr:** Body ultrasonography (second of two parts). N Engl J Med 300(11):590–602, 15 Mar 79 (195 ref.)
ADRENAL GLAND DISEASES, diagnosis/ AORTIC DISEASES, diagnosis/ BILE DUCTS/ BILIARY TRACT DISEASES, diagnosis/ CHILD/ COMPARATIVE STUDY/ FEMALE/ GALLBLADDER DISEASES, diagnosis/ HUMAN/ KIDNEY DISEASES, diagnosis/ LIVER DISEASES, diagnosis/ PANCREATIC DISEASES, diagnosis/ PELVIS/ PERITONEAL CAVITY/ RETROPERITONEAL SPACE/ REVIEW/ SPLENIC DISEASES, diagnosis/ THORACIC DISEASES, diagnosis/ TOMOGRAPHY, COMPUTERIZED AXIAL/ ULTRASONICS, adverse effects/ *ULTRASONICS, diagnostic use

1059. **Fesenko VP, Babalich AK:** Nekotorye pokazateli kininovoĭ sistemy pri zabolevaniiakh shchitovidnoĭ zhelezy. Vopr Med Khim 24(6):781–6, Nov-Dec 78 (Eng. Abstr.) **(Rus)**
ADULT/ *BRADYKININ, blood/ *CARBOXYPEPTIDASES, blood/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, blood/ GOITER, surgery/ GOITER, EXOPHTHALMIC, blood/ GOITER, EXOPHTHALMIC, surgery/ HERNIA, blood/ HUMAN/ *KININASE I, blood/ *KININOGENS, blood/ MALE/ MIDDLE AGE

1060. **Fesenko VP, Klishevich IB:** Funktsiia pecheni pri zabolevaniiakh shchitovidnoĭ zhelezy po dannym issledovaniiam ee spetsificheskikh i nespetsificheskikh fermentov. Klin Khir (12):51–2, Dec 78 **(Rus)**

ADOLESCENCE/ ADULT/ AGED/ *AMINOTRANSFERASES, blood/ FEMALE/ *GOITER, enzymology/ GOITER, surgery/ HUMAN/ LIVER FUNCTION TESTS/ *LIVER, enzymology/ MALE/ MIDDLE AGE

1061. **Feuer L, Ormai S:** Radioprotective effect of a protein free parathyroid extract. Experientia 34(10):1356–7, 15 Oct 78
ANIMAL/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ MALE/ *PARATHYROID GLANDS, physiology/ *RADIATION INJURIES, EXPERIMENTAL, prevention & control/ *RADIATION-PROTECTIVE AGENTS/ RATS

1062. **Feuerstein G, Krausz M, Cohen S, et al:** Angiotensin II mediation of adrenal catecholamine secretion induced by intrarenal isoprenaline infusion. Eur J Pharmacol 52(3–4):375–7, 1 Dec 78
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ *ANGIOTENSIN II, physiology/ ANIMAL/ *CATECHOLAMINES, metabolism/ CATS/ INFUSIONS, INTRA-ARTERIAL/ ISOPROTERENOL, administration & dosage/ *ISOPROTERENOL, pharmacodynamics/ MALE/ RENAL ARTERY/ SARALASIN, pharmacodynamics

1063. **Feurle GE:** Gastrointestinale Hormone. Med Klin 74(5):121–4, 2 Feb 79 (15 ref.) **(Ger)**
BOMBESIN, genetics/ CHOLECYSTOKININ, cerebrospinal fluid/ CIMETIDINE, therapeutic use/ GASTRIC INHIBITORY POLYPEPTIDE, physiology/ GASTRINS, cerebrospinal fluid/ *GASTROINTESTINAL HORMONES/ HUMAN/ MOTILIN, physiology/ NERVE TISSUE, analysis/ PANCREAS, surgery/ PANCREATIC POLYPEPTIDE, blood/ PITUITARY GLAND, secretion/ REVIEW/ SECRETIN, secretion/ SOMATOTROPIN RELEASE INHIBITING HORMONE, physiology/ STOMACH NEOPLASMS, drug therapy/ UROGASTRONE, physiology/ VASOACTIVE INTESTINAL PEPTIDE, analysis/ ZOLLINGER-ELLISON SYNDROME, surgery

1064. **Field M:** Mechanisms of action of cholera and Escherichia coli enterotoxins. Am J Clin Nutr 32(1):189–96, Jan 79 (28 ref.)
ANIMAL/ BIOLOGICAL ASSAY/ BIOLOGICAL TRANSPORT/ CHOLERA TOXIN, isolation & purification/ *CHOLERA TOXIN, physiology/ DRUG STABILITY/ *ENTEROTOXINS, pharmacodynamics/ EPITHELIUM, physiology/ *ESCHERICHIA COLI/ ESCHERICHIA COLI, physiology/ GUANYL CYCLASE, metabolism/ GTP PHOSPHOHYDROLASE, metabolism/ HEAT/ HUMAN/ INTESTINAL MUCOSA, drug effects/ INTESTINAL MUCOSA, physiology/ *INTESTINE, SMALL, microbiology/ IONS/ MACROMOLECULAR SYSTEMS/ MEMBRANE POTENTIALS/ NUCLEOTIDES, CYCLIC, metabolism/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VIBRIO CHOLERAE, physiology

1065. **Fieren M, Vermeulen A, Mulder AW:** Renale osteodystrofie; waarnemingen bij patiënten behandeld met chronisch intermitterende hemodialyse. Ned Tijdschr Geneeskd 123(8):289–92, 24 Feb 79 (Eng. Abstr.) **(Dut)**
BIOPSY/ ENGLISH ABSTRACT/ FEMALE/ *HEMODIALYSIS, adverse effects/ HUMAN/ MALE/ MIDDLE AGE/ RENAL OSTEODYSTROPHY, diagnosis/ *RENAL OSTEODYSTROPHY, etiology/ RENAL OSTEODYSTROPHY, pathology

1066. **Filipek WJ:** Drug-induced pulmonary disease. Postgrad Med 65(2):131–6, 139–40, Feb 79 (52 ref.)
ADRENAL CORTEX HORMONES, adverse effects/ ANALGESICS, adverse effects/ ANTI-INFECTIVE AGENTS, adverse effects/ ANTIHYPERTENSIVE AGENTS, adverse effects/ ANTINEOPLASTIC AGENTS, adverse effects/ DISODIUM CROMOGLYCATE, adverse effects/ *DRUG THERAPY, adverse effects/ FEMALE/ HUMAN/ *LUNG DISEASES, chemically induced/ LUNG DISEASES, diagnosis/ LUNG DISEASES, pathology/ METHYSERGIDE, adverse effects/ MIDDLE AGE/ NITROFURANTOIN, adverse effects/ PROPRANOLOL, adverse effects/ REVIEW

1067. **Finberg L:** Human choice, vegetable deficiencies, and vegetarian rickets. Am J Dis Child 133(2):129, Feb 79
DEFICIENCY DISEASES, etiology/ *FOOD PREFERENCES/ HUMAN/ NUTRITION, education/ *RICKETS, etiology/ *VEGETARIANISM

1068. **Finch CE:** Neuroendocrine mechanisms and aging. Fed Proc 38(2):178–83, Feb 79
ADULT/ AGED/ *AGING/ ANIMAL/ CATECHOLAMINES, metabolism/ CATECHOLAMINES, pharmacodynamics/ ENZYME INDUCTION/ FEMALE/ GENITALIA, FEMALE, physiology/ GLUCOKINASE, biosynthesis/ GONADOTROPINS, PITUITARY, metabolism/ HUMAN/ HYPOTHALAMUS, physiology/ *LIVER, physiology/ MALE/ MIDDLE AGE/ *NEUROSECRETORY SYSTEMS, physiology/ STRESS, physiopathology/ TYROSINE AMINOTRANSFERASE, biosynthesis

1069. **Fink JN:** The asthmatic. Am Fam Physician 18(6):124–7, Dec 78
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ASTHMA, diagnosis/ ASTHMA, drug therapy/ *ASTHMA, therapy/ BECLOMETHASONE, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ DISODIUM CROMOGLYCATE, therapeutic use/ EXPECTORANTS, therapeutic use/ HUMAN/ HYPNOTICS AND SEDATIVES, therapeutic use/ IMMUNOTHERAPY/ RESPIRATORY FUNCTION TESTS/ SKIN TESTS/ SYMPATHOMIMETICS, therapeutic use/ WATER/ XANTHINES, therapeutic use

1070. **Finkelberg F, Kalant H, Blanc AE:** Effect of vasopressin-like peptides on consumption of ethanol by the rat. Pharmacol Biochem Behav 9(4):453–8, Oct 78
*ALCOHOL DRINKING/ ANIMAL/ CHOICE BEHAVIOR, drug effects/ HYPOPHYSECTOMY/ *PEPTIDES, pharmacodynamics/ RATS/ TASTE/ TIME FACTORS/ *VASOPRESSINS, pharmacodynamics

1071. **Finn CA, Martin L:** Effects of a long-acting progestin on reproductive function in female mice. J Endocrinol 79(2):235–8, Nov 78
ANIMAL/ ENDOMETRIUM, cytology/ ENDOMETRIUM, drug effects/ FEMALE/ *MEDROXYPROGESTERONE, pharmacodynamics/ MICE/ MITOSIS, drug effects/ NIDATION, drug effects/ OVULATION, drug effects/ PREGNANCY/ *REPRODUCTION, drug effects/ TIME FACTORS

1072. **Finnerty FA Jr:** Workup and treatment of the average hypertensive patient. Compr Ther 4(12):40–5, Dec 78
CLONIDINE, therapeutic use/ DIURETICS, THIAZIDE, adverse effects/ DIURETICS, THIAZIDE, therapeutic use/ GUANETHIDINE, therapeutic use/ HUMAN/ HYDRALAZINE, therapeutic use/ HYPERTENSION, diagnosis/ *HYPERTENSION, drug therapy/ HYPERTENSION, radiography/ METHYLDOPA, therapeutic use/ MINOXIDIL, therapeutic use/ PRAZOSIN, therapeutic use/ PROPRANOLOL, therapeutic use/ RENIN, blood/ RESERPINE, therapeutic use

1073. **Finney RW, Harper ME, Gaskell SJ, et al:** Endogenous androgen concentrations in the dorsal and ventral prostate glands of golden hamsters with benign prostatic tumours [proceedings] J Endocrinol 79(2):53P–54P, Nov 78
AGE FACTORS/ *ANDROGENS, metabolism/ ANIMAL/ HAMSTERS/ MALE/ MESOCRICETUS/ *PROSTATE, metabolism/ *PROSTATIC HYPERTROPHY, metabolism

1074. **Fiore N:** Fighting cancer—one patient's perspective. N Engl J Med 300(6):284–9, 8 Feb 79
ADULT/ *ATTITUDE TO HEALTH/ CASE REPORT/ DEPRESSION, etiology/ DEPRESSION, prevention & control/ HUMAN/ LIFE STYLE/ LUNG NEOPLASMS, drug therapy/ MALE/ NEOPLASM METASTASIS/ *NEOPLASMS, psychology/ NEOPLASMS, therapy/ *PATIENT ACCEPTANCE OF HEALTH CARE/ PATIENT CARE TEAM/ PATIENT COMPLIANCE/ *PATIENT PARTICIPATION/ *PATIENTS, education/ PHYSICIAN-PATIENT RELATIONS/ PSYCHOTHERAPY/ STRESS, PSYCHOLOGICAL, prevention & control/ TERATOID TUMOR, drug therapy/ TERATOID TUMOR, surgery/ TESTICULAR NEOPLASMS, drug therapy/

TESTICULAR NEOPLASMS, surgery

1075. **Fishbein E, Ramos-Niembro F, Alarcon-Segovia D:** Free serum ribonucleoprotein in mixed connective tissue disease and other connective tissue diseases. J Rheumatol 5(4):384–90, Winter 78
ANTINUCLEAR FACTORS, analysis/ ARTHRITIS, RHEUMATOID, blood/ DERMATOMYOSITIS, blood/ HUMAN/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, blood/ *MIXED CONNECTIVE TISSUE DISEASE, blood/ *NUCLEOPROTEINS, blood/ PREDNISONE, therapeutic use/ *RIBONUCLEOPROTEINS, blood

1076. **Fisher AA:** Acne angst [letter] Int J Dermatol 17(8):678, Oct 78
*ACNE, drug therapy/ *ADRENAL CORTEX HORMONES, therapeutic use/ HUMAN/ INJECTIONS, INTRADERMAL

1077. **Fisher RS, Almli CR, Parsons S:** Infant rats: VMH damage and the ontogeny of obesity and neuroendocrine dysfunction. Physiol Behav 21(3):369–82, Sep 78
AGING/ ANIMAL/ *ANIMALS, NEWBORN, physiology/ BEHAVIOR, ANIMAL, physiology/ BODY WEIGHT/ BRAIN, pathology/ *BRAIN, physiopathology/ ENDOCRINE GLANDS, pathology/ *ENDOCRINE GLANDS, physiopathology/ FEMALE/ GROWTH/ *HYPOTHALAMUS, physiology/ *HYPOTHALAMUS, MEDIAL, physiology/ MALE/ OBESITY, pathology/ *OBESITY, physiopathology/ ORGAN WEIGHT/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1078. **Fiszman M:** Les effets de l'acide butyrique sur les cellules en cultures. Biochimie 60(10):VII–X, 1978 (31 ref.) **(Fre)**
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *BUTYRATES, pharmacodynamics/ *BUTYRIC ACIDS, pharmacodynamics/ CELL DIFFERENTIATION, drug effects/ CELL DIVISION, drug effects/ *CELLS, drug effects/ CELLS, metabolism/ CELLS, CULTURED/ DIBUTYRYL CYCLIC AMP, metabolism/ DNA, biosynthesis/ HUMAN/ NEUROBLASTOMA, metabolism/ REVIEW

1079. **Fitzgerald PH, Donald RA, Kirk RL:** A true hermaphrodite dispermic chimera with 46,XX and 46,XY karyotypes. Clin Genet 15(1):89–96, Jan 79
ADOLESCENCE/ BLOOD GROUPS/ CASE REPORT/ CELLS, CULTURED/ *CHIMERA/ CHROMOSOME BANDING/ GYNECOMASTIA, familial & genetic/ HERMAPHRODITISM, blood/ HERMAPHRODITISM, enzymology/ *HERMAPHRODITISM, familial & genetic/ HUMAN/ HYPOSPADIAS, familial & genetic/ MALE/ SEX CHROMATIN, ultrastructure/ *SEX CHROMOSOMES

1080. **Fitzpatrick FA, Gorman RR:** Regulatory role of cyclic adenosine 3',5'-monophosphate on the platelet cyclooxygenase and platelet function. Biochim Biophys Acta 582(1):44–58, 4 Jan 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ARACHIDONIC ACIDS, pharmacodynamics/ *BLOOD PLATELETS, physiology/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ HUMAN/ IN VITRO/ PLATELET AGGREGATION, drug effects/ *PROSTAGLANDIN SYNTHASE, metabolism/ PROSTAGLANDINS E, biosynthesis/ PROSTAGLANDINS H, pharmacodynamics/ THROMBOXANE B2, biosynthesis

1081. **Fix JA, Rutledge CO:** Alterations in the buoyant density of noradrenergic and dopaminergic synaptosomes following neurotransmitter accumulation. Brain Res 159(2):402–5, 29 Dec 78
ANIMAL/ *CENTRIFUGATION, DENSITY GRADIENT, methods/ CORPUS STRIATUM, enzymology/ DOPAMINE BETA-HYDROXYLASE, metabolism/ *DOPAMINE, metabolism/ HYPOTHALAMUS, enzymology/ *NOREPINEPHRINE, metabolism/ PARGYLINE, administration & dosage/ RATS/ SYNAPTOSOMES, drug effects/ *SYNAPTOSOMES, enzymology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1082. **Fízel' A, Fízel'ová A:** Syntéza a degradácia proteínov v priebehu rozvoja hypertrofie myokardu. Cesk Fysiol 27(5):427–37, Sep 78 **(Slo)**
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ CALCIUM, pharmacodynamics/ CELL MEMBRANE, physiology/ *HEART ENLARGEMENT, metabolism/ MYOCARDIUM, cytology/ *MYOCARDIUM, metabolism/ PHOSPHATES, pharmacodynamics/ PROTEINS, biosynthesis/ *PROTEINS, metabolism/ RATS

1083. **Flach A:** Die speziellen Gesichtspunkte des retroperitonealen Traumas im Kindesalter. Langenbecks Arch Chir 347:193–7, Nov 78 (Eng. Abstr.) **(Ger)**
*ABDOMINAL INJURIES/ ABDOMINAL INJURIES, diagnosis/ ABDOMINAL INJURIES, etiology/ ABDOMINAL INJURIES, therapy/ *ADRENAL GLANDS, injuries/ *BIRTH INJURIES/ BIRTH INJURIES, diagnosis/ BIRTH INJURIES, etiology/ BLADDER, injuries/ ENGLISH ABSTRACT/ FEMALE/ HEMORRHAGE, etiology/ HUMAN/ INFANT, NEWBORN/ MALE

1084. **Flack JD, Hamilton TC, McClelland C, et al:** Plasma prolactin concentrations in hypertensive rats. J Pharm Pharmacol 31(1):61, Jan 79
ANIMAL/ BLOOD PRESSURE/ DESOXYCORTICOSTERONE/ *HYPERTENSION, blood/ HYPERTENSION, chemically induced/ MALE/ *PROLACTIN, blood/ RATS

1085. **Flammer J, Weidmann P, Glück Z, et al:** Cardiovascular and endocrine profile of adrenergic neurone blockade in normal and hypertensive man. Am J Med 66(1):34–42, Jan 79
ADULT/ AGED/ *ALDOSTERONE, blood/ BLOOD PRESSURE/ BLOOD VOLUME/ BODY WEIGHT/ DEBRISOQUIN, adverse effects/ DEBRISOQUIN, therapeutic use/ FEMALE/ *HEMODYNAMICS/ HUMAN/ *HYDROCORTISONE, blood/ HYPERTENSION, blood/ HYPERTENSION, drug therapy/ *HYPERTENSION, physiopathology/ MALE/ MIDDLE AGE/ PULSE/ *SYMPATHOLYTICS, therapeutic use

1086. **Flandrin G:** Angioimmunoblastic lymphadenopathy: clinical, biologic, and follow-up study of 14 cases. Recent Results Cancer Res 64:247–62, 1978
ADULT/ AGED/ ANTINEOPLASTIC AGENTS, administration & dosage/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ IGG, analysis/ IMMUNOBLASTIC LYMPHADENOPATHY, drug therapy/ IMMUNOBLASTIC LYMPHADENOPATHY, immunology/ *IMMUNOBLASTIC LYMPHADENOPATHY, pathology/ LYMPH NODES, pathology/ MALE/ MIDDLE AGE/ PREDNISONE, administration & dosage

1087. **Fleer A, van Schaik ML, von dem Borne AE, et al:** Destruction of sensitized erythrocytes by human monocytes in vitro: effects of cytochalasin B, hydrocortisone and colchicine. Scand J Immunol 8(6):515–24, 1978
*COLCHICINE, pharmacodynamics/ *CYTOCHALASIN B, pharmacodynamics/ *CYTOTOXICITY, IMMUNOLOGIC, drug effects/ *ERYTHROCYTES, immunology/ HUMAN/ *HYDROCORTISONE, pharmacodynamics/ IMMUNE ADHERENCE REACTION/ LEUKOCYTE COUNT/ LYSOSOMES, enzymology/ MONOCYTES, enzymology/ *MONOCYTES, immunology/ PHAGOCYTOSIS, drug effects/ ROSETTE FORMATION

1088. **Fleischmann R, Hempel V, Egberts EH, et al:** Maximaler Induktionszeitpunkt und Induktionsdauer arzneimittelabbauender Enzyme beim Menschen nach Gaben von Rifampicin. Verh Dtsch Ges Inn Med (84):1608–12, 1978 **(Ger)**
ADDISON'S DISEASE, drug therapy/ CORTISONE, therapeutic use/ CYTOCHROME P-450/ *ENZYME INDUCTION/ HUMAN/ RIFAMPIN, adverse effects/ *RIFAMPIN, pharmacodynamics

1089. **Fleisher TA, Strober W, Muchmore AV, et al:** Corticosteroid-responsive intestinal lymphangiectasia secondary to an inflammatory process. N Engl J Med 300(11):605–6, 15 Mar 79
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ CASE REPORT/ CHILD/ FEMALE/ HUMAN/ *INFLAMMATION, complications/ LYMPHANGIECTASIS, INTESTINAL, drug

therapy/ *LYMPHANGIECTASIS, INTESTINAL, etiology/ *PROTEIN-LOSING ENTEROPATHIES, etiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1090. **Fleming AS:** Food intake and body weight regulation during the reproductive cycle of the golden hamster (Mesocricetus auratus). Behav Biol 24(3):291–306, Nov 78
ANIMAL/ *BODY WEIGHT/ BODY WEIGHT, drug effects/ ESTRUS/ *FEEDING BEHAVIOR/ FEEDING BEHAVIOR, drug effects/ FEMALE/ HAMSTERS/ LACTATION/ MALE/ MESOCRICETUS/ PREGNANCY/ PROLACTIN, pharmacodynamics/ *REPRODUCTION

1091. **Flenker I, Neuhäusen P, Ricken D, et al:** Corticosteroidtherapie bei essentieller Eisenmangelanämie.
Verh Dtsch Ges Inn Med (84):111–4, 1978 **(Ger)**
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, therapeutic use/ *ANEMIA, HYPOCHROMIC, drug therapy/ FEMALE/ FERRITIN/ HEMOGLOBINS/ HUMAN/ IRON, therapeutic use

1092. **Flickinger C:** Effects of testosterone enanthate on the structure of the male reproductive tract of the rat. Anat Rec 192(4):555–84, Dec 78
ANIMAL/ CELL SURVIVAL, drug effects/ *EPIDIDYMIS, drug effects/ EPIDIDYMIS, ultrastructure/ HEPTANOATES/ LEYDIG CELLS, drug effects/ MALE/ *PROSTATE, drug effects/ PROSTATE, ultrastructure/ RATS/ *SEMINAL VESICLES, drug effects/ SEMINAL VESICLES, ultrastructure/ SEMINIFEROUS EPITHELIUM, drug effects/ SEMINIFEROUS EPITHELIUM, ultrastructure/ SPERMATIDS, drug effects/ SPERMATOCYTES, drug effects/ SPERMATOGENESIS, drug effects/ *TESTIS, drug effects/ TESTIS, ultrastructure/ *TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1093. **Fliegner JR:** Comparison of urinary pregnanediol and estriol excretion as indexes of placental function.
Obstet Gynecol 53(1):93–8, Jan 79
ADULT/ COMPARATIVE STUDY/ *ESTRIOL, urine/ FEMALE/ HUMAN/ PLACENTAL FUNCTION TESTS/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ *PREGNANEDIOL, urine

1094. **Flückiger E, Briner U, Doepfner W, et al:** Prolactin secretion inhibition by a new 8alpha-amino-ergoline, CH 29–171.
Experientia 34(10):1330–2, 15 Oct 78
ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ERGOLINES, pharmacodynamics/ FEMALE/ LACTATION, drug effects/ METHYLTYROSINES, pharmacodynamics/ NIDATION, drug effects/ PROLACTIN, blood/ *PROLACTIN, secretion/ RATS/ RESERPINE, pharmacodynamics/ SECRETORY RATE, drug effects/ 2-BROMOERGOCRYPTINE, pharmacodynamics

1095. **Flye MW, Mundinger GH Jr, Fauci AS:** Diagnostic and therapeutic aspects of the surgical approach to Wegener's granulomatosis. J Thorac Cardiovasc Surg 77(3):331–7, Mar 79
ADOLESCENCE/ ADULT/ AGED/ BLOOD SEDIMENTATION/ BRONCHIAL DISEASES, complications/ *CYCLOPHOSPHAMIDE, therapeutic use/ DRUG THERAPY, COMBINATION/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ LUNG, radiography/ MALE/ MIDDLE AGE/ PLEURAL EFFUSION, complications/ *PREDNISONE, therapeutic use/ TRACHEAL STENOSIS, complications/ WEGENER'S GRANULOMATOSIS, diagnosis/ *WEGENER'S GRANULOMATOSIS, drug therapy/ WEGENER'S GRANULOMATOSIS, surgery

1096. **Foks H, Janowiec M:** Badania nad pochodnymi pirazyny. XI. Synteza i działanie tuberkulostatyczne pochodnych pirazynomocznika i pirazynotiomocznika. Acta Pol Pharm 35(5):615–8, 1978 **(Pol)**
*ANTITUBERCULAR AGENTS, chemical synthesis/ CHEMISTRY/ *PYRAZINES, chemical synthesis/ *THIOUREA, chemical synthesis/ *UREA, chemical synthesis

1097. **(Folkow B), Robertson JI:** Address on the occasion of the presentation of the Merck Sharp and Dohme International Award to Professor Jens Bing and his associates and the Franz Volhard Award to Professor Bjorn Folkow.
Clin Sci Mol Med 55 Suppl 4:1s–2s, Dec 78
*AWARDS AND PRIZES/ DENMARK/ HYPERTENSION, history/ RENIN, history/ SWEDEN

1098. **Fonkalsrud EW:** The undescended testis. Curr Probl Surg 15(3):1–56, Mar 78 (233 ref.)
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ *CRYPTORCHISM/ CRYPTORCHISM, complications/ CRYPTORCHISM, diagnosis/ CRYPTORCHISM, therapy/ GENITALIA, MALE, embryology/ GENITALIA, MALE, surgery/ HUMAN/ INFANT/ INFANT, NEWBORN/ INGUINAL HERNIA, complications/ MALE/ REVIEW

1099. **Fontagne J, Loizeau M, Adolphe M, et al:** Effect of in vivo treatment by dexamethasone and indometacin on DNA synthesis in rat macrophages in culture stimulated by inflammatory exudate. Arch Int Pharmacodyn Ther 235(1):26–34, Sep 78
ANIMAL/ CELLS, CULTURED/ *DEXAMETHASONE, pharmacodynamics/ *DNA, biosynthesis/ *EXUDATES AND TRANSUDATES, physiology/ IN VITRO/ *INDOMETHACIN, pharmacodynamics/ INFLAMMATION, physiopathology/ LEUKOCYTE COUNT/ MACROPHAGES, drug effects/ *MACROPHAGES, metabolism/ MALE/ RATS

1100. **Fontaine J, Reuse J:** Pharmacological analysis of the effects of substituted benzamides on the isolated guinea-pig ileum. Study of metoclopramide, sulpiride, bromopride, tiapride and sultopride. Arch Int Pharmacodyn Ther 235(1):51–61, Sep 78
ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ *BENZAMIDES, pharmacodynamics/ DRUG INTERACTIONS/ FEMALE/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ ILEUM, drug effects/ IN VITRO/ MALE/ *METOCLOPRAMIDE, analogs & derivatives/ METOCLOPRAMIDE, pharmacodynamics/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ SEROTONIN, pharmacodynamics/ *SULPIRIDE, analogs & derivatives/ SULPIRIDE, pharmacodynamics

1101. **Foote G, Livingston A:** A comparison of the effects of physostigmine and atropine on ketamine, althesin and pentobarbitone anaesthesia in rats [proceedings]
J Physiol (Lond) 284:132P–133P, Nov 78
ALTHESIN/ *ANESTHESIA/ ANIMAL/ *ATROPINE, pharmacodynamics/ COMPARATIVE STUDY/ KETAMINE/ MALE/ PENTOBARBITAL/ *PHYSOSTIGMINE, pharmacodynamics/ *PREANESTHETIC MEDICATION/ RATS

1102. **Formeister JF, Sako K, Razack MS, et al:** Myxedema coma and inappropriate antidiuretic hormone secretion after deep neck irradiation: clinical implications and report of a case.
J Surg Oncol 10(6):493–9, 1978
CARCINOMA, EPIDERMOID, radiotherapy/ CASE REPORT/ *COMA, etiology/ FEMALE/ *HEAD AND NECK NEOPLASMS, radiotherapy/ HUMAN/ HYPONATREMIA, etiology/ HYPOTHYROIDISM, etiology/ MIDDLE AGE/ *MYXEDEMA, etiology/ NEOPLASM METASTASIS, radiotherapy/ *RADIATION INJURIES, etiology/ *VASOPRESSINS, secretion

1103. **Forn J, Greengard P:** Depolarizing agents and cyclic nucleotides regulate the phosphorylation of specific neuronal proteins in rat cerebral cortex slices.
Proc Natl Acad Sci USA 75(10):5195–9, Oct 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ CALCIUM, metabolism/ *CEREBRAL CORTEX, metabolism/ IN VITRO/ *NERVE TISSUE PROTEINS, metabolism/ PHOSPHORYLATION/ POTASSIUM, pharmacodynamics/ RATS/ TETRODOTOXIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VERATRIDINE, pharmacodynamics/ 1-METHYL-3-ISOBUTYLXANTHINE, pharmacodynamics

1104. **Förster W:** Bedeutung der Prostaglandine für den Fett-und Kohlenhydratstoffwechsel unter besonderer Berücksichtigung der Pathogenese des Diabetes mellitus.

Z Gesamte Inn Med 33(23):845–51, 1 Dec 78 (72 ref.) (Eng. Abstr.) **(Ger)**
ADIPOSE TISSUE, metabolism/ ANIMAL/ *CARBOHYDRATES, metabolism/ CHEMISTRY/ CORONARY DISEASE, etiology/ *DIABETES MELLITUS, etiology/ DOGS/ ENGLISH ABSTRACT/ HUMAN/ *LIPIDS, metabolism/ *PROSTAGLANDINS, physiology/ REVIEW

1105. **Förster W, Mentz P, Pönicke K, et al:** Influence of coronary vasodilators on prostaglandin E, F2alpha, I2, and adenosine metabolism. Acta Biol Med Ger 37(5–6):755–63, 1976
*ADENOSINE, metabolism/ ANIMAL/ CORONARY CIRCULATION, drug effects/ GUINEA PIGS/ HEART RATE, drug effects/ IN VITRO/ MYOCARDIAL CONTRACTION, drug effects/ *MYOCARDIUM, metabolism/ PERFUSION/ *PROSTAGLANDINS E, metabolism/ *PROSTAGLANDINS F, metabolism/ *PROSTAGLANDINS X, metabolism/ *PROSTAGLANDINS, metabolism/ RABBITS/ *VASODILATOR AGENTS, pharmacodynamics

1106. **Fortney JA:** Light and electron microscopic observations of thyroid parafollicular cells of the opossum.
Gen Comp Endocrinol 36(1):119–32, Sep 78
ANIMAL/ CELL NUCLEUS, ultrastructure/ FEMALE/ GOLGI APPARATUS, ultrastructure/ MALE/ MITOCHONDRIA, ultrastructure/ *OPOSSUMS/ *THYROID GLAND, cytology/ THYROID GLAND, ultrastructure

1107. **Fortune A, O'Shea R:** Hypospadias in the true hermaphrodite. Med J Aust 2(8):393–4, 7 Oct 78
CASE REPORT/ CHILD/ *HERMAPHRODITISM, complications/ HERMAPHRODITISM, diagnosis/ HUMAN/ *HYPOSPADIAS, complications/ HYPOSPADIAS, surgery/ MALE

1108. **Fotherby K, Howard G, Shrimanker K, et al:** Occurrence of ovulation in women receiving the injectable contraceptive norethisterone oenanthate. Contraception 18(5):535–42, Nov 78
ADULT/ BODY HEIGHT, drug effects/ BODY WEIGHT, drug effects/ CORPUS LUTEUM, drug effects/ ESTRADIOL, blood/ FEMALE/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ KINETICS/ MIDDLE AGE/ *NORETHINDRONE, pharmacodynamics/ *OVULATION, drug effects/ PROGESTERONE, blood

1109. **Fournier A, Sebert JL, Coevoet B, et al:** Current status of the management of renal osteodystrophy.
Proc Eur Dial Transplant Assoc 15:547–68, 1978 (50 ref.)
ABSORPTION/ CALCIUM, metabolism/ GLOMERULAR FILTRATION RATE/ HEMODIALYSIS/ HUMAN/ HYDROXYCHOLECALCIFEROLS, metabolism/ KIDNEY, metabolism/ PARATHYROID GLANDS, surgery/ PERITONEAL DIALYSIS/ RENAL OSTEODYSTROPHY, etiology/ RENAL OSTEODYSTROPHY, metabolism/ RENAL OSTEODYSTROPHY, physiopathology/ *RENAL OSTEODYSTROPHY, therapy/ REVIEW/ VITAMIN D, therapeutic use

1110. **Fox RR, Crary DD:** Genetics and pathology of hereditary adrenal hyperplasia in the rabbit: a model for congenital lipoid adrenal hyperplasia. J Hered 69(4):251–4, Jul–Aug 78
*ADRENAL GLANDS, pathology/ ANIMAL/ *DISEASE MODELS, ANIMAL/ FEMALE/ *GENES, LETHAL/ *HEREDITARY DISEASES, familial & genetic/ HYPERPLASIA/ MALE/ PITUITARY GLAND, pathology/ *RABBITS, genetics/ THYROID GLAND, pathology

1111. **Francavilla S, Santiemma V, Francavilla F, et al:** Criptorchidismo umano: alterazioni della membrana basale del tubulo seminifero. Rilievi preliminari.
Boll Soc Ital Biol Sper 54(2):154–60, 30 Jan 78 **(Ita)**
ADOLESCENCE/ BASEMENT MEMBRANE, ultrastructure/ CHILD/ *CRYPTORCHISM, pathology/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ *SEMINIFEROUS TUBULES, ultrastructure/ *TESTIS, ultrastructure

1112. **Franchimont P:** Réflexions sur l'utilisation rationnelle de la médecine physique en rhumatologie. Rev Med Liege 33(23):827–38, 1 Dec 78 **(Fre)**
CORTICOTROPIN, secretion/ ENDORPHINS, metabolism/ FEMALE/ HUMAN/ MALE/ MASSAGE, methods/ MUSCLE TONUS/ *PHYSICAL THERAPY/ PITUITARY GLAND, physiology/ *RHEUMATISM, rehabilitation

1113. **Francis AE, Lin JJ, Marsh HO:** Fourier/Dirichlet: modeling of bone ultrastructural surfaces. J Kans Med Soc 80(2):49–53, Feb 79
ANIMAL/ BONE AND BONES, metabolism/ *BONE AND BONES, ultrastructure/ CHICK EMBRYO/ COLLAGEN, metabolism/ COMPUTERS/ HYDROXYAPATITES, metabolism/ ILEUM, metabolism/ ILEUM, ultrastructure/ MATHEMATICS/ *MODELS, BIOLOGICAL

1114. **Francis MG, Barnawell EB:** The influence of the nervous system upon adrenal gland weight and assayable pituitary MSH. Neuroendocrinology 27(5–6):228–38, 1978
*P-CHLOROPHENYLALANINE, pharmacodynamics/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL/ HYDROCORTISONE, pharmacodynamics/ MALE/ *METHYLTYROSINES, pharmacodynamics/ *MSH, metabolism/ ORGAN WEIGHT, drug effects/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, physiology/ *PROPRANOLOL, pharmacodynamics/ RATS/ *STRESS, physiopathology

1115. **Franco N, Conti G:** Considerazioni cliniche su di un caso di morbo di Fahr. Riv Neurobiol 23(4):255–61, Oct–Dec 77 (Eng. Abstr.) **(Ita)**
ADULT/ BASAL GANGLIA DISEASES, etiology/ *CALCINOSIS/ CALCINOSIS, etiology/ CALCINOSIS, radiography/ CASE REPORT/ *CEREBROVASCULAR DISORDERS/ CEREBROVASCULAR DISORDERS, radiography/ ENGLISH ABSTRACT/ HUMAN/ HYPERCALCEMIA, complications/ HYPERPARATHYROIDISM, complications/ MALE/ TOMOGRAPHY, COMPUTERIZED AXIAL

1116. **Franco-Morselli R, Baudouin-Legros M, Meyer P:** Plasma adrenaline and noradrenaline in essential hypertension and after long-term treatment with beta-adrenoreceptor-blocking agents. Clin Sci Mol Med 55 Suppl 4:97s–100s, Dec 78
ADOLESCENCE/ ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ ADULT/ AGING/ *EPINEPHRINE, blood/ FEMALE/ HUMAN/ *HYPERTENSION, blood/ HYPERTENSION, drug therapy/ MALE/ MIDDLE AGE/ *NOREPINEPHRINE, blood/ POSTURE/ RENIN, blood

1117. **Frank P, Kay CR:** Incidence of thyroid disease associated with oral contraceptives. Br Med J 2(6151):1531, 2 Dec 78
AUTOIMMUNE DISEASES, prevention & control/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ CONTRACEPTIVES, ORAL, therapeutic use/ FEMALE/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS/ *THYROID DISEASES, occurrence/ THYROID DISEASES, prevention & control

1118. **Frank RM:** Tooth enamel: current state of the art.
J Dent Res 58 Spec No 8:684–94, Mar 79 (91 ref.)
AMELOGENESIS/ ANIMAL/ APATITES/ CALCIUM, metabolism/ CRYSTALLOGRAPHY/ DENTAL ENAMEL PROTEINS, secretion/ DENTAL ENAMEL SOLUBILITY/ *DENTAL ENAMEL/ DENTAL ENAMEL, anatomy & histology/ DENTAL ENAMEL, analysis/ DENTAL ENAMEL, embryology/ DENTAL ENAMEL, metabolism/ DENTAL ENAMEL, physiology/ DENTAL ENAMEL, ultrastructure/ ENAMEL ORGAN, anatomy & histology/ ENAMEL ORGAN, metabolism/ ENAMEL ORGAN, physiology/ EPITHELIUM, embryology/ GLYCOPROTEINS, metabolism/ HUMAN/ MESODERM, physiology/ ODONTOGENESIS/ REVIEW/ TOOTH GERM, embryology

1119. **Frankman O, Marsk L, Rössner S:** P-piller och HDL-kolesterol. Lakartidningen 76(1–2):15–6, 3 Jan 79 **(Swe)**
ADULT/ BODY WEIGHT, drug effects/ *CHOLESTEROL, blood/ *CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, COMBINED, adverse effects/ FEMALE/ HUMAN/ *LIPOPROTEINS, HDL, blood

1120. **Fraser AD, Yamazaki H:** Determination of the rates of synthesis and degradation of adenosine 3',5'-cyclic monophosphate in Escherichia coli CRP- and CRP+ strains.
Can J Biochem 56(9):849-52, Sep 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ COMPARATIVE STUDY/ *ESCHERICHIA COLI, metabolism/ KINETICS/ MATHEMATICS/ MUTATION/ RECEPTORS, CYCLIC AMP, metabolism/ SPECIES SPECIFICITY

1121. **Fraser DR:** The metabolism and function of vitamin D.
World Rev Nutr Diet 31:168-72, 1978
ANIMAL/ CHICK EMBRYO/ CHICKENS/ VITAMIN D, metabolism/ *VITAMIN D, physiology

1122. **Fraser R, Hettiarachchi J, Morton JJ, et al:** The relative potency of amiloride and spironolactone in bendrofluazide-treated hypertensive patients [proceedings]
Br J Clin Pharmacol 6(5):444P, Nov 78
*AMILORIDE, therapeutic use/ *BENDROFLUMETHIAZIDE, therapeutic use/ CLINICAL RESEARCH/ HUMAN/ *HYPERTENSION, drug therapy/ *PYRAZINES, therapeutic use/ *SPIRONOLACTONE, therapeutic use

1123. **Fratto D:** Studio del comportamento del cortisolo plasmatico, dell'ACTH e dell'STH in soggetti sottoposti a lavoro controllato mediante cicloergometro. Minerva Med 69(53):3665-72, 3 Nov 78 (Eng. Abstr.) **(Ita)**
*AVIATION MEDICINE/ *CORTICOTROPIN, blood/ ENGLISH ABSTRACT/ *EXERTION/ HUMAN/ *HYDROCORTISONE, blood/ *PERSONNEL MANAGEMENT, methods/ *PERSONNEL SELECTION, methods/ PHYSICAL FITNESS/ *SOMATOTROPIN, blood

1124. **Frayha R, Melhem R, Idriss H:** The Kniest (Swiss cheese cartilage) syndrome. Description of a distinct arthropathy.
Arthritis Rheum 22(3):286-9, Mar 79
*CARTILAGE, ARTICULAR/ CASE REPORT/ CHILD/ *DWARFISM/ DWARFISM, radiography/ *DYSCHONDROPLASIA/ DYSCHONDROPLASIA, radiography/ HUMAN/ *JOINT DISEASES/ JOINT DISEASES, radiography/ *KYPHOSIS/ KYPHOSIS, radiography/ MALE/ *SCOLIOSIS/ SCOLIOSIS, radiography/ SYNDROME/ *THORAX, abnormalities

1125. **Fredin BL, Seifert SC, Gelehrter TD:** Dexamethasone-induced adhesion in hepatoma cells: the role of plasminogen activator.
Nature 277(5694):312-3, 22 Jan 79
*CELL ADHESION, drug effects/ CELL LINE/ *DEXAMETHASONE, pharmacodynamics/ ENZYME INDUCTION, drug effects/ GLASS/ GLYCOPROTEINS, metabolism/ HEPATOMA, EXPERIMENTAL, enzymology/ *HEPATOMA, EXPERIMENTAL, physiopathology/ *PLASMINOGEN ACTIVATORS, metabolism/ PLASMINOGEN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1126. **Freebury DR, Brown GM, Moldofsky H, et al:** Growth hormone and cortisol responses, tranquillizer usage, and their association with survival from myocardial infarction.
Psychosom Med 40(6):462-77, Oct 78
ACUTE DISEASE/ ADAPTATION, PSYCHOLOGICAL, drug effects/ ADULT/ AGED/ APPETITE, drug effects/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ MALE/ MIDDLE AGE/ MYOCARDIAL INFARCTION, blood/ MYOCARDIAL INFARCTION, drug therapy/ *MYOCARDIAL INFARCTION, mortality/ PROGNOSIS/ *SOMATOTROPIN, blood/ STRESS, PSYCHOLOGICAL, blood/ STRESS, PSYCHOLOGICAL, drug therapy/ *TRANQUILIZING AGENTS, MINOR, therapeutic use

1127. **Freed CR, Asmus PA:** Brain tissue and plasma assay of L-DOPA and alpha-methyldopa metabolites by high performance liquid chromatography with electrochemical detection. J Neurochem 32(1):163-8, Jan 79
ANIMAL/ CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ DOPA, blood/ *DOPA, metabolism/ HUMAN/ *HYPOTHALAMUS, metabolism/ MALE/ METHYLDOPA, blood/ *METHYLDOPA, metabolism/ PARKINSON DISEASE, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1128. **Freeman JB:** Symposium on nutritional requirements of the surgical patient. 2. Peripheral parenteral nutrition.
Can J Surg 21(6):489-92, Nov 78
AMINO ACIDS, administration & dosage/ CALORIC INTAKE/ COMPARATIVE STUDY/ DRUG EVALUATION/ GLUCOSE SOLUTION, HYPERTONIC/ GLUCOSE, administration & dosage/ HUMAN/ HYDROCORTISONE, administration & dosage/ INFUSIONS, PARENTERAL/ INTRALIPID, administration & dosage/ INTRALIPID, metabolism/ NITROGEN, administration & dosage/ NITROGEN, metabolism/ *PARENTERAL FEEDING/ *PARENTERAL HYPERALIMENTATION/ POSTOPERATIVE CARE, methods/ SOLUTIONS/ TRACE ELEMENTS, administration & dosage

1129. **Fregly MJ, Thrasher TN:** Attenuation of angiotensin-induced water intake in estrogen-treated rats.
Pharmacol Biochem Behav 9(4):509-14, Oct 78
*ANGIOTENSIN II, antagonists & inhibitors/ ANIMAL/ CASTRATION/ DIURESIS, drug effects/ *DRINKING BEHAVIOR, drug effects/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ ISOPROTERENOL, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1130. **Frei U, Fassbinder W, Klempa I, et al:** Total parathyroidectomy with autograft of parathyroid tissue in treatment of secondary hyperparathyroidism. Proc Eur Dial Transplant Assoc 15:540-6, 1978
ADULT/ CALCIUM, blood/ FEMALE/ FOREARM/ HUMAN/ *HYPERPARATHYROIDISM, SECONDARY, surgery/ HYPOCALCEMIA, prevention & control/ MALE/ MIDDLE AGE/ *PARATHYROID GLANDS, surgery/ *PARATHYROID GLANDS, transplantation/ POSTOPERATIVE COMPLICATIONS, prevention & control/ TRANSPLANTATION, AUTOLOGOUS

1131. **Fresco G, Curti G, Biggi A, et al:** Triiodothyronine (T3) turnover studies in normal states using 1-triiodothyronine labeled with 1251. J Nucl Med Allied Sci 22(3):133-9, Jul-Sep 78
ADULT/ AGED/ BODY FLUID COMPARTMENTS/ FEMALE/ HUMAN/ IODINE RADIOISOTOPES/ ISOTOPE LABELING/ KINETICS/ MALE/ MIDDLE AGE/ *TRIIODOTHYRONINE, metabolism

1132. **Fresco N, Silvestre D, Boué J:** Le diagnostic prénatal. étude psychologique. I. L'intervention des médecins dans la grossesse. J Gynecol Obstet Biol Reprod (Paris) 7(5):961-73, May-Jun 78 (Eng. Abstr.) **(Fre)**
ADULT/ AMNIOCENTESIS/ ATTITUDE OF HEALTH PERSONNEL/ *EMOTIONS/ ENGLISH ABSTRACT/ FEMALE/ *GENETIC COUNSELING/ HUMAN/ INTERVIEW, PSYCHOLOGICAL/ MALE/ *PHYSICIAN-PATIENT RELATIONS/ PREGNANCY/ *PRENATAL DIAGNOSIS/ SEX DETERMINATION/ SEX FACTORS

1133. **Freudenstein C, Keenan TW, Eigel WN, et al:** Preparation and characterization of the inner coat material associated with fat globule membranes from bovine and human milk.
Exp Cell Res 118(2):277-94, Feb 79
AMINO ACIDS, analysis/ *CARBOHYDRATES, analysis/ CATTLE/ GLYCOPEPTIDES, analysis/ HUMAN/ *LIPIDS/ LIPIDS, analysis/ *MEMBRANES, analysis/ *MILK/ *MILK, HUMAN/ *PEPTIDES, analysis

1134. **Freund E, Winnefeld K, Adam G:** Steroidbestimmungen im Serum älterer Menschen als Funktionstest der Nebennierenrinde. ZFA (Dresden) 33(3):273-7, 1978 (Eng. Abstr.) **(Ger)**
*ADRENAL CORTEX FUNCTION TESTS/ AGED/ *CORTICOTROPIN, diagnostic use/ CORTICOTROPIN, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PITUITARY-ADRENAL FUNCTION TESTS/ *SURGERY, OPERATIVE/ 11-HYDROXYCORTICOSTEROIDS, blood

1135. **Fricke M, Aust W:** Intermittierender Exophthalmus durch 'Kiappen' in der Vena ophthalmica superior. ROEFO 130(1):119-21, Jan 79 **(Ger)**
AGED/ ANIMAL/ CASE REPORT/ *EXOPHTHALMOS, etiology/ EXOPHTHALMOS,

radiography/ FEMALE/ *ORBIT, blood supply/ PHLEBOGRAPHY

1136. **Fried W:** Hematologic complications of chronic renal failure. Med Clin North Am 62(6):1363–79, Nov 78 (127 ref.)
ANDROGENS, SYNTHETIC, therapeutic use/ ANEMIA, diagnosis/ *ANEMIA, etiology/ ANEMIA, therapy/ ANEMIA, HEMOLYTIC, etiology/ ANEMIA, HYPOCHROMIC, etiology/ BLOOD TRANSFUSION/ ERYTHROCYTES, pathology/ ERYTHROPOIESIS/ ERYTHROPOIETIN, deficiency/ FOLIC ACID DEFICIENCY, complications/ FOLIC ACID DEFICIENCY, etiology/ HEMODIALYSIS/ HEMORRHAGE, etiology/ HUMAN/ *KIDNEY FAILURE, CHRONIC, blood/ KIDNEY FAILURE, CHRONIC, therapy/ KIDNEY, metabolism/ REVIEW/ TESTOSTERONE, therapeutic use

1137. **Frieden E, Campbell JA:** The effect of triiodothyronine on the transport and incorporation of amino acids by bullfrog tadpole tail fin cells. Gen Comp Endocrinol 36(2):215–22, Oct 78
*AMINO ACIDS, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT, drug effects/ CYCLOHEXIMIDE, pharmacodynamics/ DINITROPHENOLS, pharmacodynamics/ ETHYLMALEIMIDE, pharmacodynamics/ FROGS/ KINETICS/ PHENYLALANINE, metabolism/ PUROMYCIN, pharmacodynamics/ *RANA CATESBEIANA, metabolism/ TAIL, drug effects/ *TAIL, metabolism/ THYROXINE, pharmacodynamics/ *TRIIODOTHYRONINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1138. **Friedman J, Lewy JE:** Failure to thrive associated with renal disease. Pediatr Ann 7(11):767–73, Nov 78 (55 ref.)
ACIDOSIS, complications/ ANIMAL/ BONE DISEASES, DEVELOPMENTAL, complications/ CHILD/ ENDOCRINE DISEASES, complications/ GLUCOCORTICOIDS, adverse effects/ GROWTH DISORDERS, chemically induced/ *GROWTH DISORDERS, etiology/ HUMAN/ INFANT/ *KIDNEY DISEASES, complications/ *KIDNEY FAILURE, CHRONIC, complications/ PROTEIN-CALORIE MALNUTRITION, complications/ RATS/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1139. **Friedman J, Meares RA:** Comparison of spontaneous and contraceptive menstrual cycles on a visual discrimination task. Aust NZ J Psychiatry 12(4):233–9, Dec 78
ADOLESCENCE/ ADULT/ COMPARATIVE STUDY/ *DISCRIMINATION (PSYCHOLOGY), drug effects/ ESTROGENS, urine/ *ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ *MENSTRUATION, drug effects/ *NORGESTREL, pharmacodynamics/ OVULATION, drug effects/ PHOTIC STIMULATION/ PREGNANEDIOL, urine/ SENSORY THRESHOLDS, drug effects/ *VISUAL PERCEPTION, drug effects

1140. **Friedman MA, Hoffman PG, Jones HW:** The clinical value of hormone receptor assays in malignant disease. Cancer Treat Rev 5(4):185–94, Dec 78 (72 ref.)
ANIMAL/ FEMALE/ HUMAN/ *KIDNEY NEOPLASMS, analysis/ MALE/ *MELANOMA, analysis/ NEOPLASMS, therapy/ NEOPLASMS, EXPERIMENTAL, analysis/ *OVARIAN NEOPLASMS, analysis/ *PROSTATIC NEOPLASMS, analysis/ RECEPTORS, ANDROGEN, analysis/ RECEPTORS, ESTROGEN, analysis/ *RECEPTORS, HORMONE, analysis/ RECEPTORS, PROGESTERONE, analysis/ REVIEW/ *UTERINE NEOPLASMS, analysis

1141. **Friedman WF, Molony DA, Kirkpatrick SE:** Prostaglandins: physiological and clinical correlations. Adv Pediatr 25:151–204, 1978 (173 ref.)
ANIMAL/ AUTONOMIC NERVOUS SYSTEM, drug effects/ *BLOOD CIRCULATION, drug effects/ DOGS/ *DUCTUS ARTERIOSUS, PATENT, drug therapy/ DUCTUS ARTERIOSUS, PATENT, physiopathology/ DUCTUS ARTERIOSUS, PATENT, surgery/ FEMALE/ FETUS, drug effects/ GUINEA PIGS/ HAMSTERS/ HUMAN/ INDOMETHACIN, therapeutic use/ INFANT/ INFANT, NEWBORN/ KIDNEY, drug effects/ PREGNANCY/ *PROSTAGLANDINS E, therapeutic use/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, physiology/ PROSTAGLANDINS, therapeutic use/ PULMONARY CIRCULATION, drug effects/ REVIEW/ SHEEP/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1142. **Friedrich EG Jr:** Evaluation and management of diseases of the vulva: therapeutic principles and techniques. Clin Obstet Gynecol 21(4):973–89, Dec 78
ABSCESS, surgery/ BARTHOLIN'S GLANDS, surgery/ CONDYLOMATA ACUMINATA, drug therapy/ CONDYLOMATA ACUMINATA, surgery/ CRYOGENIC SURGERY/ CYSTS, surgery/ ELECTROSURGERY/ FEMALE/ FLUOROURACIL, therapeutic use/ HUMAN/ IMMUNOTHERAPY/ LASERS, therapeutic use/ PODOPHYLLIN, therapeutic use/ TESTOSTERONE, therapeutic use/ VULVA, surgery/ VULVAR DISEASES, drug therapy/ VULVAR DISEASES, surgery/ *VULVAR DISEASES, therapy/ VULVAR NEOPLASMS, drug therapy/ VULVAR NEOPLASMS, surgery

1143. **Frink R, Krupp PP, Young RA:** Intranuclear rodlets in woodchuck thyroid follicular cells. Cell Tissue Res 193(3):561–3, 30 Oct 78
ANIMAL/ ANIMALS, WILD/ *BIRDS, anatomy & histology/ *CELL NUCLEUS, ultrastructure/ *CELLULAR INCLUSIONS, ultrastructure/ FEMALE/ MALE/ SEASONS/ *THYROID GLAND, ultrastructure

1144. **Frisch H, Pichler E, Pollak A, et al:** Neurofibromatose Recklinghausen mit cerebraler Manifestation und hypophysären Hormonausfällen. Monatsschr Kinderheilkd 126(12):722–4, Dec 78 (Eng. Abstr.) **(Ger)**
ASTROCYTOMA, etiology/ CASE REPORT/ CHILD/ CORTICOTROPIN, deficiency/ CRANIAL NERVE NEOPLASMS, etiology/ ENGLISH ABSTRACT/ FSH, deficiency/ HUMAN/ MALE/ *NEUROFIBROMATOSIS, complications/ OPTIC CHIASM/ *PITUITARY DISEASES, etiology/ SOMATOTROPIN, deficiency

1145. **Frisch RE, McArthur JW:** Difference between postpartum and nutritional amenorrhea [letter] Science 203(4383):921–3, 2 Mar 79
*AMENORRHEA, etiology/ AMENORRHEA, physiopathology/ BODY WEIGHT/ FEMALE/ HUMAN/ LACTATION/ NUTRITION DISORDERS, complications/ PREGNANCY/ TIME FACTORS

1146. **Fritz IB, Griswold MD, Louis BG, et al:** Metabolic responses of Sertoli cells in culture to various concentrations of follicle stimulating hormone and cholera toxin. Can J Biochem 56(9):875–9, Sep 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *CHOLERA TOXIN, pharmacodynamics/ DNA, biosynthesis/ ESTRADIOL, biosynthesis/ *FSH, pharmacodynamics/ KINETICS/ MALE/ RATS/ RECEPTORS, ANDROGEN, metabolism/ SERTOLI CELLS, drug effects/ *SERTOLI CELLS, metabolism/ TESTOSTERONE, metabolism/ THYMIDINE, metabolism

1147. **Fritzler MJ, Ring J, Arroyave CM, et al:** Human blood cells ultrastructural changes and mediator release after exposure to roentgenographic contrast media. Can Med Assoc J 119(8):901–6, 21 Oct 78
ADULT/ BASOPHILS, drug effects/ BASOPHILS, metabolism/ *BASOPHILS, ultrastructure/ BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, metabolism/ *BLOOD PLATELETS, ultrastructure/ *CONTRAST MEDIA, adverse effects/ FEMALE/ HISTAMINE, metabolism/ HUMAN/ IN VITRO/ LEUKOCYTES, ultrastructure/ MALE/ SEROTONIN, metabolism

1148. **Frol'kis VV, Shevchuk VG, Golovchenko SF, et al:** Gormonal'naia reguliatsiia serdtsa pri starenii. Kardiologiia 18(12):24–30, Dec 78 (Eng. Abstr.) **(Rus)**
*AGING, drug effects/ ANIMAL/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ EPINEPHRINE, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ *HEART, drug effects/ HEMODYNAMICS, drug effects/ *HORMONES, pharmacodynamics/ INSULIN, pharmacodynamics/ RATS/ THYROXINE, pharmacodynamics/

VASOPRESSINS, pharmacodynamics

1149. **Fromm M, Hegel U:** Segmental heterogeneity of epithelial transport in rat large intestine. Pfluegers Arch 378(1):71–83, 15 Dec 78
ACETAZOLAMIDE, pharmacodynamics/ ADRENALECTOMY/ ALDOSTERONE, pharmacodynamics/ AMILORIDE, pharmacodynamics/ ANIMAL/ BIOLOGICAL TRANSPORT, drug effects/ *COLON, metabolism/ COLON, physiology/ EPITHELIUM, metabolism/ EPITHELIUM, physiology/ HYDROSTATIC PRESSURE/ *INTESTINAL ABSORPTION/ INTESTINAL ABSORPTION, drug effects/ MALE/ MEMBRANE POTENTIALS, drug effects/ ORGAN SPECIFICITY/ RATS/ *RECTUM, metabolism/ RECTUM, physiology

1150. **Frutos M, Casado S, Peces R, et al:** Thyroid function in chronic renal failure, haemodialysis, and transplant patients. Proc Eur Dial Transplant Assoc 15:619–21, 1978
ADOLESCENCE/ ADULT/ AGED/ FEMALE/ *HEMODIALYSIS/ HUMAN/ *KIDNEY FAILURE, CHRONIC, blood/ *KIDNEY, transplantation/ MALE/ MIDDLE AGE/ THYROID GLAND, physiology/ *THYROID HORMONES, blood/ TRANSPLANTATION, ALLOGENEIC

1151. **Fryns JP, Cassiman JJ, Van den Berghe H:** Unusual in vivo rearrangements of the Y chromosome with mitotic instability in vitro. Hum Genet 44(3):349–55, 16 Nov 78
CASE REPORT/ CELLS, CULTURED/ HUMAN/ INFANT, NEWBORN/ KARYOTYPING/ LYMPHOCYTES, ultrastructure/ MALE/ PHENOTYPE/ *SEX CHROMOSOMES/ *SKULL, abnormalities/ *TRANSLOCATION (GENETICS)/ *Y CHROMOSOME

1152. **Fryns JP, Moerman P, Devlieger H, et al:** Thanatophoric dwarfism. Acta Paediatr Belg 31(4):Suppl VIII: 57–64, Oct–Dec 78
*DWARFISM/ DWARFISM, diagnosis/ DWARFISM, radiography/ EXTREMITIES, abnormalities/ FEMALE/ HUMAN/ INFANT, NEWBORN/ MALE/ PREGNANCY/ RIBS, abnormalities/ SKULL, abnormalities

1153. **Fuchs C, Heimann G, Scheler F:** Pharmakokinetische Untersuchungen zur Osteoporosebehandlung mit Fluorid. Verh Dtsch Ges Inn Med (84):1119–21, 1978 **(Ger)**
ADULT/ BIOLOGICAL AVAILABILITY/ FLUORIDES, blood/ *FLUORIDES, therapeutic use/ HUMAN/ MALE/ *OSTEOPOROSIS, drug therapy

1154. **Fuhr JE, Dunn CD:** Control of hemoglobin synthesis in fetal erythroid cells by L-thyroxine. Am J Hematol 5(2):163–8, 1978
ANIMAL/ *ERYTHROCYTES, metabolism/ FEMALE/ *FETUS, metabolism/ GLOBIN, biosynthesis/ *HEMOGLOBINS, biosynthesis/ LIVER, metabolism/ MICE/ MICE, INBRED C3H/ PREGNANCY/ *THYROXINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1155. **Fujii K, Kajiwara T, Kurosu H:** Effect of vitamin B6 deficiency on the crosslink formation of collagen. FEBS Lett 97(1):193–5, 1 Jan 79
ALDEHYDES, metabolism/ ANIMAL/ BONE AND BONES, metabolism/ *COLLAGEN, metabolism/ HYDROXYPROLINE, metabolism/ LYSYL OXIDASE, metabolism/ MALE/ *PYRIDOXINE DEFICIENCY, metabolism/ RATS/ SKIN, metabolism

1156. **Fujimura N:** [Detection of bone metastases from bronchogenic carcinoma by bone scintigraphy with 99mTc-phosphorous compounds. I. Incidence of bone metastases from bronchogenic carcinoma and their prognosis (author's transl)] Nippon Igaku Hoshasen Gakkai Zasshi 38(11):1054–63, 25 Nov 78 (Eng. Abstr.) **(Jpn)**
ADENOCARCINOMA, radionuclide imaging/ ADULT/ AGED/ *BONE AND BONES, radionuclide imaging/ *BONE NEOPLASMS, radionuclide imaging/ CARCINOMA, radionuclide imaging/ *CARCINOMA, BRONCHOGENIC, radionuclide imaging/ CARCINOMA, EPIDERMOID, radionuclide imaging/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LUNG NEOPLASMS/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PROGNOSIS/ *TECHNETIUM, diagnostic use

1157. **Fujita H, Komatsu M, Nakajima T:** Use of nitrogen mustard N-oxide for the fixation of electron microscopic tissues. Histochemistry 58(1–2):49–56, 24 Nov 78
ADRENAL MEDULLA, ultrastructure/ ANIMAL/ *CYCLIC N-OXIDES, pharmacodynamics/ FALLOPIAN TUBES, ultrastructure/ *FIXATIVES/ *MECHLORETHAMINE, pharmacodynamics/ MICE/ PITUITARY GLAND, ultrastructure/ THYROID GLAND, ultrastructure

1158. **Fuke T, Morita A, Tuji Y, et al:** [Radioimmunoassay of thyroxine with polyethylene glycol (PEG) (author's transl)] Kaku Igaku 15(7):1013–8, Oct 78 **(Jpn)**
HUMAN/ *POLYETHYLENE GLYCOLS/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC/ *THYROXINE, blood

1159. **Fukushima T:** Endoscopic biopsy of intraventricular tumors with the use of a ventriculofiberscope. Neurosurgery 2(2):110–3, Mar–Apr 78
ASTROCYTOMA, diagnosis/ BIOPSY, instrumentation/ BIOPSY, methods/ CARCINOMA, EPIDERMOID, diagnosis/ *CEREBRAL VENTRICLE NEOPLASMS, diagnosis/ CEREBRAL VENTRICLE NEOPLASMS, pathology/ CRANIOPHARYNGIOMA, diagnosis/ ENDOSCOPY, instrumentation/ FIBER OPTICS, instrumentation/ HUMAN/ PINEALOMA, diagnosis

1160. **Fülle HH:** Therapie der akuten myeloischen Leukämie des Erwachsenen in kompletter Remission mit modifizierten TRAP-, COAP- und POMP-Zyklen. Verh Dtsch Ges Inn Med (84):148–51, 1978 **(Ger)**
ADULT/ CYCLOPHOSPHAMIDE, therapeutic use/ CYTARABINE, therapeutic use/ DAUNOMYCIN, therapeutic use/ DRUG THERAPY, COMBINATION/ HUMAN/ *LEUKEMIA, MYELOBLASTIC, drug therapy/ MERCAPTOPURINE, therapeutic use/ METHOTREXATE, therapeutic use/ PREDNISONE, therapeutic use/ THIOGUANINE, therapeutic use/ VINCRISTINE, therapeutic use

1161. **Fuller RW, Hemrick SK, Perry KW:** Modification by harmaline of the effects of N-cyclopropyl-p-chloro-amphetamine on 5-hydroxyindole concentration in rat brain. J Pharm Pharmacol 31(1):53–4, Jan 79
P-CHLOROAMPHETAMINE, analogs & derivatives/ *P-CHLOROAMPHETAMINE, pharmacodynamics/ *ALKALOIDS, pharmacodynamics/ *AMPHETAMINES, pharmacodynamics/ ANIMAL/ *BRAIN CHEMISTRY, drug effects/ BRAIN, enzymology/ *HARMALINE, pharmacodynamics/ HYDROXYINDOLEACETIC ACID, metabolism/ *INDOLES, metabolism/ MALE/ MONOAMINE OXIDASE, metabolism/ RATS/ SEROTONIN, metabolism

1162. **Funae Y, Sasaki D, Yamamoto K:** Effect of dithiothreitol of the reaction of renin and angiotensinogen. Clin Chim Acta 91(2):183–9, 15 Jan 79
*ANGIOTENSINOGEN, metabolism/ *ANGIOTENSINS, metabolism/ ANIMAL/ *DITHIOTHREITOL, pharmacodynamics/ DOGS/ ENZYME ACTIVATION, drug effects/ IN VITRO/ INDICATORS AND REAGENTS, pharmacodynamics/ RADIOIMMUNOASSAY/ *RENIN, metabolism

1163. **Funder JW, Burger HG, Brodie GM:** Chemotherapy in breast cancer [editorial] Med J Aust 1(1):10, 13 Jan 79
*ANTINEOPLASTIC AGENTS, therapeutic use/ BREAST NEOPLASMS, classification/ *BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, ultrastructure/ FEMALE/ HUMAN/ NEOPLASM METASTASIS/ PROGNOSIS/ RECEPTORS, ESTROGEN, analysis

1164. **Furuta H:** Cadmium effects on bone and dental tissues of rats in acute and subacute poisoning. Experientia 34(10):1317–8, 15 Oct 78
ANIMAL/ *BONE AND BONES, pathology/ *CADMIUM POISONING, pathology/ CARTILAGE, pathology/ MALE/ ODONTOBLASTS, pathology/ RATS/ TIBIA, pathology/ *TOOTH, pathology

1165. **Furuya S, Kumamoto Y, Sugiyama S:** Fine structure and development of Sertoli junctions in human testis. Arch Androl 1(3):211–9, May 78
ADOLESCENCE/ BLOOD-TESTIS BARRIER/ CHILD/ CHILD, PRESCHOOL/ HUMAN/ LANTHANUM, diagnostic use/ MALE/ PUBERTY/

*SEMINIFEROUS TUBULES, ultrastructure/ *SERTOLI CELLS, ultrastructure/ *TESTIS, ultrastructure

1166. **Fuselier P, Alam A:** Pregnancy complicated by pelvic abscess. J Reprod Med 21(4):257–8, Oct 78
*ABSCESS, diagnosis/ ABSCESS, therapy/ ADNEXAL DISEASES, diagnosis/ ADNEXAL DISEASES, therapy/ CASE REPORT/ *FALLOPIAN TUBES/ FEMALE/ HUMAN/ *OVARIAN DISEASES, diagnosis/ OVARIAN DISEASES, therapy/ *PREGNANCY COMPLICATIONS, INFECTIOUS, diagnosis/ PREGNANCY COMPLICATIONS, INFECTIOUS, therapy/ PREGNANCY

1167. **Futrakul P, Poshyachinda M, Mitrakul C:** Focal sclerosing glomerulonephritis: a kinetic evaluation of hemostasis and the effect of anticoagulant therapy: a controlled study. Clin Nephrol 10(5):180–6, Nov 78
ADOLESCENCE/ BLOOD PLATELETS/ CELL NUMBER/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ CYCLOPHOSPHAMIDE, therapeutic use/ DIPYRIDAMOLE, administration & dosage/ *DIPYRIDAMOLE, therapeutic use/ DRUG THERAPY, COMBINATION/ FEMALE/ FIBRINOGEN, analysis/ *GLOMERULONEPHRITIS, drug therapy/ GLOMERULOSCLEROSIS, FOCAL, blood/ *GLOMERULOSCLEROSIS, FOCAL, drug therapy/ HEPARIN, administration & dosage/ *HEPARIN, therapeutic use/ HUMAN/ KIDNEY, blood supply/ MALE/ PREDNISOLONE, therapeutic use

1168. **Fuyuta M, Fujimoto T, Hirata S:** Embryotoxic effects of methylmercuric chloride administered to mice and rats during orangogenesis. Teratology 18(3):353–66, Dec 78
*ABNORMALITIES, DRUG-INDUCED, pathology/ ANIMAL/ BONE AND BONES, abnormalities/ CLEFT PALATE, chemically induced/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EDEMA, chemically induced/ *EMBRYO, drug effects/ FEMALE/ FETAL DEATH/ GESTATIONAL AGE/ MATERNAL-FETAL EXCHANGE/ *MERCURY, toxicity/ MICE/ MICE, INBRED C57BL/ PREGNANCY/ RATS

1169. **Fylling P, Fagerhol M:** Experience with two different medicated intrauterine devices: a comparative study of the Progestasert and Nova-T. Fertil Steril 31(2):138–41, Feb 79
ADULT/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ IMMUNOGLOBULINS, analysis/ *INTRAUTERINE DEVICES, COPPER/ INTRAUTERINE DEVICES, COPPER, adverse effects/ *INTRAUTERINE DEVICES, MEDICATED/ INTRAUTERINE DEVICES, MEDICATED, adverse effects/ PREGNANCY/ PREGNANCY, ECTOPIC/ *PROGESTERONE

G

1170. **Gabbe SG, Freeman RD, Goebelsmann U:** Evaluation of the contraction stress test before 33 weeks' gestation. Obstet Gynecol 52(6):649–52, Dec 78
APGAR SCORE/ ESTRIOL, urine/ FEMALE/ FETAL DEATH, diagnosis/ FETAL GROWTH RETARDATION, diagnosis/ *FETUS, physiology/ GESTATIONAL AGE/ HUMAN/ INFANT MORTALITY/ INFANT, NEWBORN/ LABOR COMPLICATIONS, diagnosis/ MECONIUM/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ PRENATAL DIAGNOSIS/ RETROSPECTIVE STUDIES/ *UTERINE CONTRACTION

1171. **Gabriel S:** Mediastinaltumörer: tymom--lipom. Lakartidningen 76(3):131–2, 17 Jan 79 **(Swe)**
CASE REPORT/ HUMAN/ *LIPOMA, radiography/ MALE/ *MEDIASTINAL NEOPLASMS, radiography/ MIDDLE AGE/ *THYMOMA, radiography/ *THYMUS NEOPLASMS, radiography

1172. **Gadpaille WJ:** Psychosexual developmental tasks imposed by pathologically delayed childhood: a cultural dilemma. Adolesc Psychiatry 6:136–55, 1978
ADOLESCENCE/ CHILD DEVELOPMENT/ CHILD/ CRITICAL PERIOD (PSYCHOLOGY)/ *CULTURAL CHARACTERISTICS/ *CULTURE/ FEMALE/ *GENDER IDENTITY/ HUMAN/ *IDENTIFICATION (PSYCHOLOGY)/ MALE/ PERSONALITY DEVELOPMENT/ *PSYCHOSEXUAL DEVELOPMENT/ PUBERTY/ SEX BEHAVIOR/ SEX DISORDERS, psychology/ SOCIAL ADJUSTMENT/ UNITED STATES

1173. **Gagnon C, Axelrod J:** Subcellular localization of protein carboxyl-methylase and its substrates in rat pituitary lobes. J Neurochem 32(2):567–72, Feb 79
ANIMAL/ CYTOSOL, enzymology/ MALE/ METHYLATION/ MOLECULAR WEIGHT/ *PITUITARY GLAND, enzymology/ PITUITARY GLAND, ANTERIOR, enzymology/ PITUITARY GLAND, POSTERIOR, enzymology/ *PROTEIN METHYLTRANSFERASES, analysis/ *PROTEIN O-METHYLTRANSFERASE, analysis/ PROTEINS, metabolism/ RATS/ SUBCELLULAR FRACTIONS, enzymology

1174. **Gaillard J, Dubreuil C, Romanet P:** Expérimentation JO 1016 gouttes nasales. J Fr Otorhinolaryngol 27(7):487–8, Sep 78 **(Fre)**
ACUTE DISEASE/ ADMINISTRATION, INTRANASAL/ ADULT/ FEMALE/ *HAY FEVER, drug therapy/ HUMAN/ *HYDROCORTISONE, analogs & derivatives/ HYDROCORTISONE, administration & dosage/ MALE/ *RHINITIS, drug therapy

1175. **Gajaraj A:** Radio nuclides in radiotherapy. J Assoc Physicians India 26(2):71–8, Feb 78
HUMAN/ IODINE RADIOISOTOPES/ NEOPLASMS, radiotherapy/ PHOSPHORUS RADIOISOTOPES/ RADIOISOTOPE TELETHERAPY/ *RADIOISOTOPES, therapeutic use/ *RADIOTHERAPY/ THYROID DISEASES, radiotherapy/ THYROID NEOPLASMS, radiotherapy

1176. **Gajkowska B, Danielewicz A, Borowicz JW:** Ultrastruktura układu podwzgórzowo-przysadkowego szczura zatruwanego morfiną w okresie rozwoju. Neuropatol Pol 16(4):461–71, Oct-Dec 78 (Eng. Abstr.) **(Pol)**
ANIMAL/ ANIMALS, NEWBORN/ ENGLISH ABSTRACT/ FEMALE/ *FETUS, drug effects/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, ultrastructure/ MALE/ *MORPHINE, toxicity/ PREGNANCY/ RATS

1177. **Gal D, Neuhoff S, Lilling MI, et al:** False negative oxytocin challenge test: report of three cases. Am J Obstet Gynecol 133(1):111–3, 1 Jan 79
ADOLESCENCE/ ADULT/ CASE REPORT/ *FALSE NEGATIVE REACTIONS/ FEMALE/ FETAL DEATH, diagnosis/ HUMAN/ *OXYTOCIN, diagnostic use/ PREGNANCY/ PRENATAL DIAGNOSIS/ *UTERINE CONTRACTION, drug effects

1178. **Galil-Ogly GA, Krylov LM, Poroshin KK, et al:** Veretenokletochnaia timoma (gistologicheskoe i élektronno-mikroskopicheskoe issledovanie). Arkh Patol 40(12):52–7, 1978 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *THYMOMA, pathology/ THYMOMA, ultrastructure/ *THYMUS NEOPLASMS, pathology/ THYMUS NEOPLASMS, ultrastructure

1179. **Galiuk SV:** Primenenie mikrodoz medi i kobal'ta v kompleksnom lechenii eksperimental'nogo rakhita. Patol Fiziol Eksp Ter (5):72–3, Sep-Oct 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ *COBALT, administration & dosage/ *COPPER, administration & dosage/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ RATS/ *RICKETS, drug therapy/ VITAMIN D, administration & dosage

1180. **Gallin JI, Elin RJ, Hubert RT, et al:** Efficacy of ascorbic acid in Chediak-Higashi syndrome (CHS): studies in humans and mice. Blood 53(2):226–34, Feb 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ ADULT/ ANIMAL/ *ASCORBIC ACID, therapeutic use/ BLOOD BACTERICIDAL ACTIVITY/ CELL MOVEMENT/ *CHEDIAK-HIGASHI SYNDROME, drug therapy/ CHEMOTAXIS, LEUKOCYTE/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/

HUMAN/ LEUKOCYTES, physiology/ LYMPHOCYTE TRANSFORMATION/ MALE/ MICE/ MICE, INBRED C57BL/ MONILIASIS, etiology/ NEUTROPHILS, enzymology

1181. **Galton VA:** Role of thyroid gland in oxygen toxicity. Am J Physiol 235(6):E628–33, Dec 78
ANIMAL/ IODINE, metabolism/ MALE/ OXYGEN CONSUMPTION/ *OXYGEN, poisoning/ RATS/ *THYROID GLAND, metabolism/ *THYROXINE, metabolism/ UNITED STATES GOV'T SUPPORTED/ VITAMIN E, pharmacodynamics

1182. **Gandolfi CA, Gryglewski RJ:** 20-Methyl-prostacyclin analogs--a two stage screening procedure for biological properties. Pharmacol Res Commun 10(10):885–96, Nov 78
ANIMAL/ BLOOD PRESSURE, drug effects/ CATTLE/ CHEMISTRY/ DRUG SCREENING/ IN VITRO/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ PLATELET AGGREGATION, drug effects/ *PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, SYNTHETIC, pharmacodynamics/ RABBITS/ RATS/ VASODILATOR AGENTS

1183. **Gangat Y, Vulliemoz Y, Verosky M, et al:** Action of halothane on myocardial adenylate cyclase of rat and cat. Proc Soc Exp Biol Med 160(2):154–9, Feb 79
*ADENYL CYCLASE, metabolism/ ANIMAL/ CATECHOLAMINES, pharmacodynamics/ CATS/ DRUG INTERACTIONS/ GUANYLYL IMIDODIPHOSPHATE, pharmacodynamics/ *HALOTHANE, pharmacodynamics/ *HEART, drug effects/ *MYOCARDIUM, enzymology/ RATS/ SODIUM FLUORIDE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1184. **Ganguly J, Sarada K, Jayaram M, et al:** On the systemic mode of action of vitamin A. World Rev Nutr Diet 31:59–64, 1978
ANIMAL/ CHICKENS/ ESTROGENS, pharmacodynamics/ FEMALE/ *LIVER REGENERATION/ *OVIDUCTS, growth & development/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VITAMIN A DEFICIENCY, physiopathology/ *VITAMIN A, physiology

1185. **Ganitkevich IaV, Lupu LM, Myslitskiĭ VF:** Sostoianie tkaneĭ parodonta posle stimuliatsii supraopticheskikh i paraventrikuliarnykh iader gipotalamusa. Stomatologiia (Mosk) 58(1):8–12, Jan–Feb 79 (Eng. Abstr.) **(Rus)**
ALVEOLAR PROCESS, physiopathology/ ANIMAL/ ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ *HYPOTHALAMUS, physiology/ *PARAVENTRICULAR NUCLEUS, physiology/ *PERIODONTIUM, physiopathology/ RATS/ *SUPRAOPTIC NUCLEUS, physiology/ TIME FACTORS

1186. **Gann DS, Ward DG, Carlson DE:** Neural control of ACTH: a homeostatic reflex. Recent Prog Horm Res 34:357–400, 1978 (97 ref.)
ANIMAL/ CATS/ CENTRAL NERVOUS SYSTEM, physiology/ *CORTICOTROPIN, secretion/ ELECTRIC STIMULATION/ HEMODYNAMICS/ HYPOTHALAMUS, physiology/ MEDULLA OBLONGATA, physiology/ MESENCEPHALON, physiology/ *NERVOUS SYSTEM, physiology/ PONS, physiology/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1187. **Ganten D, Stock G:** Humoral and neurohormonal aspects of blood pressure regulation: focus on angiotensin. Klin Wochenschr 56 Suppl 1:31–41, 1978 (131 ref.)
ANGIOTENSIN I, physiology/ ANGIOTENSIN II, blood/ *ANGIOTENSIN II, physiology/ ANIMAL/ *BLOOD PRESSURE/ BRAIN CHEMISTRY/ BRAIN, enzymology/ *BRAIN, physiology/ CEREBRAL VENTRICLES, physiology/ KIDNEY, secretion/ *NEUROHUMORS, physiology/ RENIN, physiology/ REVIEW

1188. **Gaón D:** Longitud crítica de las resecciones del delgado. Acta Gastroenterol Latinoam 8(1):57–60, May 78 **(Spa)**
BILE ACIDS AND SALTS, metabolism/ CALCIUM, metabolism/ DIARRHEA, etiology/ DIET/ GASTRIC JUICE, secretion/ HUMAN/ ILEUM, surgery/ *INTESTINAL ABSORPTION/ INTESTINE, SMALL, pathology/ *INTESTINE, SMALL, surgery/ IRON, metabolism/ JEJUNUM, surgery/ POSTOPERATIVE COMPLICATIONS/ SPRUE, etiology

1189. **García-Conde J, Merino J, Benet I:** Estudio de un inhibidor de la agregación de las plaquetas (prostaciclina) liberado de la pared vasculr de la rata. Sangre (Barc) 23(5):526–34, 1978 (Eng. Abstr.) **(Spa)**
ADENOSINE DIPHOSPHATE, administration & dosage/ ANIMAL/ ARACHIDONIC ACIDS, administration & dosage/ *BLOOD VESSELS, drug effects/ ENGLISH ABSTRACT/ MALE/ MICROSOMES, drug effects/ *PLATELET AGGREGATION, drug effects/ *PROSTAGLANDINS X, administration & dosage/ *PROSTAGLANDINS, administration & dosage/ RATS

1190. **Gardiner PF, Botterman BR, Eldred E, et al:** Metabolic and contractile changes in fast and slow muscles of the cat after glucocorticoid-induced atrophy. Exp Neurol 62(1):241–55, Oct 78
ANIMAL/ CATS/ ISOCITRATE DEHYDROGENASE, metabolism/ MALE/ MUSCLE CONTRACTION, drug effects/ MUSCLE PROTEINS, metabolism/ MUSCULAR ATROPHY, chemically induced/ MUSCULAR ATROPHY, metabolism/ *MUSCULAR ATROPHY, physiopathology/ ORGAN WEIGHT/ PHOSPHOFRUCTOKINASE, metabolism/ SUCCINATE DEHYDROGENASE, metabolism/ TRIAMCINOLONE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1191. **Gardner CR, Robson EA:** A response to monoamines in Peripatopsis moseleyi (Onychophora). Experientia 34(12):1576–7, 15 Dec 78
ANIMAL/ *ARTHROPODS, drug effects/ *BIOGENIC AMINES, pharmacodynamics/ CATECHOLAMINES, pharmacodynamics/ IN VITRO/ IPRONIAZID, pharmacodynamics/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ PARASYMPATHOMIMETICS, pharmacodynamics/ SEROTONIN, pharmacodynamics

1192. **Gardner DF, Kaplan MM, Stanley CA, et al:** Effect of tri-iodothyronine replacement on the metabolic and pituitary responses to starvation. N Engl J Med 300(11):579–84, 15 Mar 79
ADULT/ AMMONIA, urine/ BLOOD SUGAR, metabolism/ FASTING/ HUMAN/ IODIDES, pharmacodynamics/ MALE/ *STARVATION, metabolism/ THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROXINE, blood/ THYROXINE, urine/ TRIIODOTHYRONINE, blood/ *TRIIODOTHYRONINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UREA, urine

1193. **Gardner HL:** Vulvovaginitis: prevalence and diagnosis. Med Times 106(12):22–5, Dec 78
CONTRACEPTIVES, ORAL, adverse effects/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES, adverse effects/ UNITED STATES/ VAGINAL SMEARS/ *VULVOVAGINITIS, diagnosis/ VULVOVAGINITIS, microbiology/ VULVOVAGINITIS, occurrence

1194. **Garlov PE, Belen'kiĭ MA, Polenov AL:** Kolichestvennyĭ ul'trastrukturnyĭ analiz neĭrosekretornyk élementov neĭrogipofiza samok osetra Acipenser guldenstadti v sviazi s protsessom neresta. Zh Evol Biokhim Fiziol 14(6):566–70, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ CELL NUMBER/ COMPARATIVE STUDY/ CYTOPLASMIC GRANULES, ultrastructure/ ENGLISH ABSTRACT/ FEMALE/ *FISHES, physiology/ HISTOCYTOCHEMISTRY/ MICROSCOPY, ELECTRON/ NERVE ENDINGS, metabolism/ NERVE ENDINGS, ultrastructure/ NEUROSECRETION/ NOREPINEPHRINE, metabolism/ PEPTIDES, metabolism/ *PITUITARY GLAND, ANTERIOR, ultrastructure/ *REPRODUCTION

1195. **Garn SM, Cole PE, Van Alstine WL:** Sex discriminatory effectiveness using combinations of root lengths and crown diameters. Am J Phys Anthropol 50(1):115–8, Jan 78
ADOLESCENCE/ HUMAN/ ODONTOMETRY/ *SEX DETERMINATION/ SEX FACTORS/

*TOOTH ROOT, anatomy & histology/ *TOOTH, anatomy & histology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1196. **Garrison JC, Borland MK:** Regulation of mitochondrial pyruvate carboxylation and gluconeogenesis in rat hepatocytes via an alpha-adrenergic, adenosine 3':5'-monophosphate-independent mechanism. J Biol Chem 254(4):1129-33, 25 Feb 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *ADRENERGIC ALPHA RECEPTOR AGONISTS, pharmacodynamics/ ANIMAL/ EPINEPHRINE, pharmacodynamics/ GLUCAGON, pharmacodynamics/ *GLUCONEOGENESIS, drug effects/ KINETICS/ MALE/ MITOCHONDRIA, LIVER, drug effects/ *MITOCHONDRIA, LIVER, metabolism/ NOREPINEPHRINE, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ *PYRUVATE CARBOXYLASE, metabolism/ PYRUVATE KINASE, metabolism/ *PYRUVATES, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1197. **Garud MA, Saraiya UB, Mehtaji S, et al:** Cyto-hormonal study of hundred infertility patients with anovulatory menstrual cycles. J Obstet Gynaecol India 28(3):436-42, Jun 78
ADOLESCENCE/ ADULT/ *ANOVULATION, complications/ *CERVIX MUCUS, cytology/ *CLOMIPHENE, pharmacodynamics/ FEMALE/ HUMAN/ *MENSTRUATION/ *STERILITY, FEMALE, complications

1198. **Gasc JM, Stumpf WE, Sar M:** Estrogen target sites in the cloacal region of female and male chick embryos. Cell Tissue Res 193(3):457-62, 30 Oct 78
ANIMAL/ CELL NUCLEUS, metabolism/ CHICK EMBRYO/ *CLOACA, anatomy & histology/ CLOACA, physiology/ *ESTRADIOL/ ESTRADIOL, metabolism/ FEMALE/ MALE/ *RECEPTORS, ESTROGEN, isolation & purification/ SEX DIFFERENTIATION

1199. **Gasc JM, Sar M, Stumpf WE:** Androgen target cells in the bursa of Fabricius of the chick embryo: autoradiographic localization. Proc Soc Exp Biol Med 160(1):55-8, Jan 79
ANIMAL/ AUTORADIOGRAPHY/ BURSA OF FABRICIUS, cytology/ BURSA OF FABRICIUS, drug effects/ *BURSA OF FABRICIUS, metabolism/ CHICK EMBRYO/ RECEPTORS, ANDROGEN/ *TESTOSTERONE, metabolism/ TESTOSTERONE, pharmacodynamics

1200. **Gaspard U, Lambotte R:** Un sujet de controverse hormonothérapique: l'oestrogénothérapie de la femme ménopausée. Rev Med Liege 34(2):52-4, 15 Jan 79 **(Fre)**
ESTROGENS, adverse effects/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ *MENOPAUSE/ MENOPAUSE, drug effects/ MIDDLE AGE/ RISK

1201. **Gattegno B, Scetbon V, Tenaillon m, et al:** Deux cas d'ostéomalacie après entéroplastie urinaire pour bilharziose. J Urol Nephrol (Paris) 83 Suppl 2:366-8, 1977 **(Fre)**
ADULT/ CASE REPORT/ HUMAN/ MALE/ *OSTEOMALACIA, etiology/ *POSTOPERATIVE COMPLICATIONS/ SCHISTOSOMIASIS, complications/ *SCHISTOSOMIASIS, surgery/ URETERAL OBSTRUCTION, etiology/ *URETERAL OBSTRUCTION, surgery/ *URINARY DIVERSION, adverse effects

1202. **Gaudin-Chazal G, Daszuta A, Faudon M, et al:** 5-HT concentration in cat's brain. Brain Res 160(2):281-93, 12 Jan 79
ANIMAL/ *BRAIN CHEMISTRY/ BRAIN STEM, analysis/ CATS/ CEREBRAL CORTEX, analysis/ FEMALE/ HYDROXYINDOLEACETIC ACID, analysis/ HYPOTHALAMUS, analysis/ MALE/ MESENCEPHALON, analysis/ OLFACTORY BULB, analysis/ *SEROTONIN, analysis/ SPINAL CORD, analysis/ TRYPTOPHAN, analysis

1203. **Gautheron PD, Lotti VJ, Le Douarec JC:** The role of primary prostaglandins in ocular inflammation as demonstrated by the effects of MK-447 in the rabbit eye. Agents Actions 8(6):629-35, Dec 78
ANIMAL/ ANTI-INFLAMMATORY AGENTS, administration & dosage/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ BUTYLATED HYDROXYTOLUENE, analogs & derivatives/ BUTYLATED HYDROXYTOLUENE, administration & dosage/ *BUTYLATED HYDROXYTOLUENE, pharmacodynamics/ CONJUNCTIVA/ *CRESOLS, pharmacodynamics/ DRUG INTERACTIONS/ FEMALE/ INJECTIONS/ MALE/ OPHTHALMIA, chemically induced/ *OPHTHALMIA, physiopathology/ OPHTHALMIC SOLUTIONS/ *PROSTAGLANDINS, physiology/ RABBITS

1204. **Gautray JP, Jolivet A, Robyn C, et al:** Stimulation oestrogénique de la phase folliculaire du cycle menstruel humain. Investigation neuro-endocrinienne. Rev Fr Gynecol Obstet 73(12):789-94, Dec 78 **(Fre)**
ELECTROENCEPHALOGRAPHY/ ESTRADIOL, blood/ *ESTROGENS, pharmacodynamics/ FEMALE/ *GRAAFIAN FOLLICLE/ HUMAN/ LH, blood/ *MENSTRUATION/ PROGESTERONE, blood

1205. **Gavras I, Gavras H, Sullivan PC, et al:** A comparative study of the effects of oxprenolol versus propranolol in essential hypertension. J Clin Pharmacol 19(1):8-14, Jan 79
ADULT/ AGED/ ALDOSTERONE, blood/ BLOOD PRESSURE, drug effects/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DOUBLE-BLIND METHOD/ FEMALE/ HUMAN/ *HYPERTENSION, drug therapy/ HYPERTENSION, physiopathology/ MALE/ MIDDLE AGE/ OXPRENOLOL, adverse effects/ *OXPRENOLOL, therapeutic use/ PLACEBOS/ PROPRANOLOL, adverse effects/ *PROPRANOLOL, therapeutic use/ PULSE, drug effects/ RENIN, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1206. **Gay VL, Kerlan JT:** Serum LH and FSH following passive immunization against circulating testosterone in the intact male rat and in orchidectomized rats bearing subcutaneous silastic implants of testosterone. Arch Androl 1(3):257-66, May 78
ANIMAL/ *CASTRATION/ DRUG IMPLANTS/ *FSH, blood/ IMMUNE SERUMS/ *IMMUNIZATION/ *LH, blood/ MALE/ RATS/ TESTOSTERONE, administration & dosage/ TESTOSTERONE, blood/ *TESTOSTERONE, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1207. **Gayou R, Rudolph R:** Capsular contraction around silicone mammary prostheses. Ann Plast Surg 2(1):62-71, Jan 79
ANIMAL/ BREAST, pathology/ BREAST, physiopathology/ *BREAST, surgery/ FEMALE/ HUMAN/ *PROSTHESIS, adverse effects/ *SILICONES, adverse effects/ STEROIDS, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ *WOUND HEALING/ WOUND HEALING, drug effects

1208. **Gelfand EW, Dosch HM, Hastings B, et al:** Lithium: a modulator of cyclic AMP-dependent events in lymphocytes? Science 203(4378):365-7, 26 Jan 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, antagonists & inhibitors/ ALBUTEROL, antagonists & inhibitors/ *ANTIBODY FORMATION, drug effects/ DIBUTYRYL CYCLIC AMP, antagonists & inhibitors/ HUMAN/ *IMMUNOSUPPRESSION/ *LITHIUM, pharmacodynamics/ *LYMPHOCYTES, drug effects/ PHOSPHODIESTERASE INHIBITORS, antagonists & inhibitors/ PHYTOHEMAGGLUTININS, pharmacodynamics/ *ROSETTE FORMATION/ THEOPHYLLINE, antagonists & inhibitors

1209. **Geller JS, Brenner M:** Measurements of metabolites during cAMP oscillations of Dictyostelium discoideum. J Cell Physiol 97(3 Pt 2 Suppl 1):413-20, Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ AMINO ACIDS, metabolism/ *DICTYOSTELIUM, metabolism/ GLUCOSEPHOSPHATES, metabolism/ GUANOSINE TRIPHOSPHATE, metabolism/ ISOCITRATES, metabolism/ KETOGLUTARIC ACIDS, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1210. **Gellis SS, Feingold M, Dubner DW, et al:** Picture of the month. Am J Dis Child 133(2):205-6, Feb 79
*BONE AND BONES, abnormalities/ CHILD/ *CHOLESTASIS, complications/ *FACE/ HUMAN/ *PULMONARY VALVE STENOSIS, complications/ SYNDROME

1211. **Gelman S, Ernst EA:** Nitroprusside prevents adverse hemodynamic effects of vasopressin. Arch Surg 113(12):1465–71, Dec 78
ANIMAL/ BLOOD PRESSURE, drug effects/ CARDIAC OUTPUT, drug effects/ DOGS/ FEMALE/ *FERRICYANIDES, pharmacodynamics/ *HEMODYNAMICS, drug effects/ HEPATIC ARTERY, physiology/ *LIVER CIRCULATION, drug effects/ MALE/ *NITROPRUSSIDE, pharmacodynamics/ PORTAL VEIN, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VASOPRESSINS, adverse effects

1212. **Gemeiner M, Schnabl H, Stöcki W, et al:** Untersuchungen zum Mineralstoffwechsel des Pferdes. II. Einfluss der Jahreszeit auf die Serumkonzentrationen des Kalziums, des anorganischen Phosphors, der alkalischen Phosphatase, des Magnesiums und des 25-Hydroxyvitamins D3 bei Jungpferden. Zentralbl Veterinaermed [A] 25(7):562–9, Sep 78 **(Ger)**
ALKALINE PHOSPHATASE, blood/ ANIMAL/ CALCIUM, blood/ *HORSES, metabolism/ HYDROXYCHOLECALCIFEROLS, blood/ MAGNESIUM, blood/ PHOSPHORUS, blood/ SEASONS

1213. **Gemelli M, De Luca F, Barberio G:** Hypoglycaemia and congenital adrenal hyperplasia. Acta Paediatr Scand 68(2):285–6, Mar 79
*ADRENAL GLAND HYPERFUNCTION, congenital/ ADRENAL GLAND HYPERFUNCTION, complications/ CASE REPORT/ FEMALE/ HUMAN/ *HYPOGLYCEMIA, etiology/ INFANT/ RECURRENCE

1214. **Gemsa D, Seitz M, Kramer W, et al:** Ionophore A23187 raises cyclic AMP levels in macrophages by stimulating prostaglandin E formation. Exp Cell Res 118(1):55–62, Jan 79
*A-23187, pharmacodynamics/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ANTIBIOTICS, pharmacodynamics/ CALCIUM, pharmacodynamics/ INDOMETHACIN, pharmacodynamics/ MACROPHAGES, drug effects/ *MACROPHAGES, metabolism/ MAGNESIUM, pharmacodynamics/ *PROSTAGLANDINS E, metabolism/ PROSTAGLANDINS F, metabolism

1215. **Genazzani AR, Facchinetti F, de Leo V, et al:** Effect of epimestrol on gonadotropin and prolactin plasma levels and response to luteinizing hormone-releasing hormone/thyrotropin-releasing hormone in secondary amenorrhea and oligomenorrhea. Fertil Steril 30(6):654–60, Dec 78
ADOLESCENCE/ ADULT/ *AMENORRHEA, blood/ ANOREXIA NERVOSA, blood/ DEHYDROEPIANDROSTERONE, blood/ *EPIMESTROL, pharmacodynamics/ ESTRADIOL, blood/ *ESTRENES, pharmacodynamics/ FEMALE/ FSH, blood/ *GONADOTROPINS, PITUITARY, blood/ HUMAN/ LH, blood/ LH-FSH RELEASING HORMONE, pharmacodynamics/ *MENSTRUATION DISORDERS, blood/ *OLIGOMENORRHEA, blood/ PROGESTERONE, blood/ PROLACTIN, blood/ THYROTROPIN RELEASING HORMONE, pharmacodynamics

1216. **George SL, Aur RJ, Mauer AM, et al:** A reappraisal of the results of stopping therapy in childhood leukemia. N Engl J Med 300(6):269–73, 8 Feb 79
ANTINEOPLASTIC AGENTS, administration & dosage/ BONE MARROW DISEASES, prevention & control/ CENTRAL NERVOUS SYSTEM, radiation effects/ CHILD/ CHILD, PRESCHOOL/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ INJECTIONS, INTRATHECAL/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ LEUKEMIA, LYMPHOBLASTIC, mortality/ LEUKEMIA, LYMPHOBLASTIC, radiotherapy/ *LEUKEMIA, LYMPHOBLASTIC, therapy/ MALE/ MENINGEAL NEOPLASMS, prevention & control/ METHOTREXATE, administration & dosage/ PROBABILITY/ RECURRENCE/ REMISSION/ RISK/ SEX FACTORS/ TESTICULAR NEOPLASMS, prevention & control/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1217. **Georgii A:** Cyto- und histopathologische Grundlagen einer frühen Tumordiagnostik. Verh Dtsch Ges Inn Med (84):556–66, 1978 **(Ger)**
BIOPSY, NEEDLE/ *BRONCHIAL NEOPLASMS, diagnosis/ GASTRIC JUICE, pathology/ HUMAN/ *STOMACH NEOPLASMS, diagnosis/ *THYROID NEOPLASMS, diagnosis

1218. **Gepner JI, Hall LM, Sattelle DB:** Insect acetylcholine receptors as a site of insecticide action. Nature 276(5684):188–90, 9 Nov 78
AMMONIUM COMPOUNDS, pharmacodynamics/ ANIMAL/ BINDING, COMPETITIVE/ BUNGAROTOXINS, antagonists & inhibitors/ DROSOPHILA MELANOGASTER/ GANGLIA, drug effects/ *INSECTICIDES, pharmacodynamics/ NEURAL TRANSMISSION, drug effects/ NICOTINE, pharmacodynamics/ PERIPLANETA/ *RECEPTORS, CHOLINERGIC, drug effects/ THIOCYANATES, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED

1219. **Gerber JG, Ellis E, Hollified J, et al:** Effect of prostaglandin endoperoxide analogue on canine renal function, hemodynamics and renin release. Eur J Pharmacol 53(3):239–46, 15 Jan 79
ANIMAL/ DOGS/ FEMALE/ KIDNEY, blood supply/ *KIDNEY, drug effects/ KIDNEY, physiology/ MALE/ PHENTOLAMINE, pharmacodynamics/ *PROSTAGLANDIN ENDOPEROXIDES, SYNTHETIC, pharmacodynamics/ REGIONAL BLOOD FLOW, drug effects/ *RENIN, blood/ SARALASIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1220. **Gerber JG, Nies AS:** The hemodynamic effects of prostaglandins in the rat. Evidence for important species variation in renovascular responses. Circ Res 44(3):406–10, Mar 79
ANIMAL/ ARACHIDONIC ACIDS, pharmacodynamics/ *HEMODYNAMICS, drug effects/ INDOMETHACIN, pharmacodynamics/ *KIDNEY, blood supply/ MALE/ PROSTAGLANDINS D, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ REGIONAL BLOOD FLOW, drug effects/ SPECIES SPECIFICITY/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASCULAR RESISTANCE, drug effects/ *VASOCONSTRICTOR AGENTS, pharmacodynamics

1221. **Gerendai I, Marchetti B, Maugeri S, et al:** Prevention of compensatory ovarian hypertrophy by local treatment of the ovary with 6-OHDA. Neuroendocrinology 27(5–6):272–8, 1978
ANIMAL/ CASTRATION/ *HYDROXYDOPAMINE, pharmacodynamics/ HYPERTROPHY/ MALE/ OVARY, drug effects/ *OVARY, pathology/ OVARY, physiology/ RATS

1222. **Gerfo PL, Colacchio T, Colacchio D, et al:** Thyroglobulin in benign and malignant thyroid disease. JAMA 241(9):923–4, 2 Mar 79
*ADENOCARCINOMA, blood/ AGED/ CASE REPORT/ CHILD/ FEMALE/ HUMAN/ MIDDLE AGE/ NEOPLASM METASTASIS/ NEOPLASM RECURRENCE, LOCAL, blood/ POSTOPERATIVE CARE/ *THYROGLOBULIN, blood/ *THYROID DISEASES, blood/ *THYROID NEOPLASMS, blood/ THYROIDECTOMY

1223. **Germano FP, Acosta AA, Martínez A, et al:** La insuficiencia del cuerpo amarillo ovárico. (Estudio clínico, endocrinológico, histopatológico y terapéutico). Obstet Ginecol Lat Am 36(3–4):72–102, Mar–Apr 78 (Eng. Abstr.) **(Spa)**
*CORPUS LUTEUM HORMONES, deficiency/ ENGLISH ABSTRACT/ ESTROGENS, analysis/ FEMALE/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ PREGNANCY/ PREGNANEDIOL, analysis/ STERILITY, FEMALE, drug therapy/ *STERILITY, FEMALE, etiology

1224. **Gerrard JM, Stoddard SF, Shapiro RS, et al:** Platelet storage pool deficiency and prostaglandin synthesis in chronic granulocytic leukaemia. Br J Haematol 40(4):597–607, Dec 78
ADENOSINE DIPHOSPHATE, blood/ ADOLESCENCE/ ADULT/ ARACHIDONIC ACIDS, pharmacodynamics/ ASPIRIN,

pharmacodynamics/ *BLOOD PLATELETS, metabolism/ CHILD/ COLLAGEN, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ FEMALE/ HUMAN/ *LEUKEMIA, MYELOCYTIC, blood/ MALE/ *PLATELET AGGREGATION, drug effects/ *PROSTAGLANDINS, biosynthesis/ SEROTONIN, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1225. **Gerrard JM, White JG, Peterson DA:** The platelet dense tubular system: its relationship to prostaglandin synthesis and calcium flux. Thromb Haemost 40(2):224–31, 31 Oct 78 (15 ref.)
ARACHIDONIC ACIDS, metabolism/ BIOLOGICAL TRANSPORT/ *BLOOD PLATELETS, metabolism/ *CALCIUM, metabolism/ CYTOPLASM, metabolism/ *ENDOPLASMIC RETICULUM, metabolism/ HUMAN/ PHOSPHOLIPIDS, metabolism/ *PROSTAGLANDINS, biosynthesis/ REVIEW/ THROMBOXANE A2, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1226. **Gerstner G, Mick R, Reinold E:** Postpartale Laktationshemmung mit 2-Brom-alpha-Ergocryptin. Wien Med Wochenschr 128(22):704–6, 1978 **(Ger)**
FEMALE/ HEXESTROL, pharmacodynamics/ HUMAN/ *LACTATION, drug effects/ PREGNANCY/ PROLACTIN/ *2-BROMOERGOCRYPTINE, pharmacodynamics

1227. **Geryk B, Stolcová E:** Význam preventívnych a dispenzarizačných opatrení pre správnu liečbu retencie testis. Cesk Pediatr 33(9):545–6, Sep 78 **(Slo)**
AMBULATORY CARE/ *CRYPTORCHISM, therapy/ HUMAN/ INFANT/ MALE/ METHODS/ TIME FACTORS

1228. **(Geschwind II), Papkoff H, Bern HA:** Obituary: Irving I. Geschwind, 1923–1978. Gen Comp Endocrinol 36(2):323–4, Oct 78
CALIFORNIA/ CURRENT BIOG-OBIT/ ENDOCRINOLOGY/ HISTORY OF MEDICINE, 20TH CENT.

1229. **Geyskes GG, Boer P, Dorhout Mees EJ:** Clonidine withdrawal. Mechanism and frequency of rebound hypertension. Br J Clin Pharmacol 7(1):55–62, Jan 79
ADULT/ AGED/ BLOOD PRESSURE, drug effects/ *CLONIDINE, adverse effects/ CLONIDINE, therapeutic use/ DIET/ *DRUG WITHDRAWAL SYMPTOMS, etiology/ FEMALE/ HEART RATE, drug effects/ HUMAN/ HYPERTENSION, drug therapy/ *HYPERTENSION, etiology/ HYPERTENSION, physiopathology/ MALE/ MIDDLE AGE/ NOREPINEPHRINE, urine/ RENIN, blood

1230. **Ghanta VK, Hiramoto RN, Durant MH:** Age dependent reaction of mouse thymus cells with autologous and syngeneic erythrocytes. Mech Ageing Dev 8(5):329–39, Nov 78
*AGING/ ANIMAL/ CORTISONE, pharmacodynamics/ *ERYTHROCYTES, immunology/ EDTA, pharmacodynamics/ HUMAN/ MICE/ MICE, INBRED BALB C/ RABBITS/ RATS/ *ROSETTE FORMATION/ SERUM ALBUMIN, pharmacodynamics/ SHEEP/ SPLEEN, immunology/ *THYMUS GLAND, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1231. **Ghione S, Palombo C, Pellegrini M, et al:** The kinetics of plasma noradrenaline in normal and hypertensive subjects. Clin Sci Mol Med 55 Suppl 4:89s–92s, Dec 78
ADRENAL GLAND NEOPLASMS, blood/ ADULT/ BLOOD PRESSURE/ FEMALE/ HEART FAILURE, CONGESTIVE, blood/ HUMAN/ *HYPERTENSION, blood/ HYPERTENSION, physiopathology/ MALE/ METABOLIC CLEARANCE RATE/ MIDDLE AGE/ *NOREPINEPHRINE, blood/ NOREPINEPHRINE, metabolism/ PHEOCHROMOCYTOMA, blood

1232. **El-Ghobarey A, Balint G, de Ceulaer K, et al:** Dermatomyositis: observations on the use of immunosuppressive therapy and review of literature. Cairo--Glasgow study group. Postgrad Med J 54(634):516–27, Aug 78
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ CASE REPORT/ CYCLOPHOSPHAMIDE, therapeutic use/ DERMATOMYOSITIS, complications/ DERMATOMYOSITIS, diagnosis/ *DERMATOMYOSITIS, drug therapy/ DERMATOMYOSITIS, etiology/ FEMALE/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ MALE/ METHOTREXATE, therapeutic use/ NEOPLASMS, complications/ PROGNOSIS/ TIME FACTORS

1233. **Ghosh SN, Shah PN, Gharpure HM:** Absence of H-Y antigen in XY females with dysgenetic gonads. Nature 276(5684):180–1, 9 Nov 78
ADULT/ FEMALE/ *H-Y ANTIGEN, analysis/ HUMAN/ KARYOTYPING/ MALE/ SEX DIFFERENTIATION DISORDERS, familial & genetic/ *SEX DIFFERENTIATION DISORDERS, immunology/ Y CHROMOSOME

1234. **Giannotta SL, Hopkins J, Kindt GW:** Computerized tomography in Reye's syndrome: evidence for pathological cerebral vasodilatation. Neurosurgery 2(3):201–4, May-Jun 78
ADOLESCENCE/ CASE REPORT/ CEREBRAL ANGIOGRAPHY/ *CEREBRAL ARTERIES, pathology/ CHICKENPOX, complications/ DEXAMETHASONE, therapeutic use/ DILATATION, PATHOLOGIC/ FEMALE/ HUMAN/ INFANT/ INTRACRANIAL PRESSURE/ MALE/ MANNITOL, therapeutic use/ REYE'S SYNDROME, drug therapy/ *REYE'S SYNDROME, radiography/ *TOMOGRAPHY, COMPUTERIZED AXIAL/ UREA, therapeutic use

1235. **Gibas Z, Limon J:** Isolabeling of the long arm of the human Y chromosome demonstrated by the FPG technique. Chromosoma 69(1):113–20, 20 Oct 78
HOE 33258, diagnostic use/ HUMAN/ LEUKOCYTES, ultrastructure/ MALE/ *SEX CHROMOSOMES, ultrastructure/ *STAINS AND STAINING, methods/ ULTRAVIOLET RAYS/ Y CHROMOSOME, radiation effects/ *Y CHROMOSOME, ultrastructure

1236. **Gibson A, Ginsburg M, Hall M, et al:** The effects of opiate receptor agonists and antagonists on the stress-induced secretion of corticosterone in mice. Br J Pharmacol 65(1):139–46, Jan 79
ANALGESIA/ ANIMAL/ *CORTICOSTERONE, blood/ MALE/ MICE/ MORPHINE DERIVATIVES, pharmacodynamics/ MORPHINE, pharmacodynamics/ NALOXONE, pharmacodynamics/ *RECEPTORS, NARCOTIC, drug effects/ *STRESS, blood/ TIME FACTORS

1237. **Gierkowa A, Szymański A, Szaflik J, et al:** Wpływ hormonów sterydowych: estrogenów i progesteronu oraz gonadotropiny kosmówkowej i czynnika uwalniającego LH na strukturę kąta przesączania i ciśnienie śródgałkowe u królików. Klin Oczna 48(12):643–5, Dec 78 (Eng. Abstr.) **(Pol)**
ANIMAL/ ENGLISH ABSTRACT/ ESTROGENS, pharmacodynamics/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *HORMONES, pharmacodynamics/ *INTRAOCULAR PRESSURE, drug effects/ LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ PROGESTERONE, pharmacodynamics/ RABBITS

1238. **Gierkowa A:** Patogeneza i etiologia jaskry pierwofnej. Klin Oczna 48(12):633–8, Dec 78 **(Pol)**
AUTONOMIC NERVOUS SYSTEM, physiopathology/ FEEDBACK/ *GLAUCOMA, etiology/ GLAUCOMA, physiopathology/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ MODELS, BIOLOGICAL

1239. **Gill DL, Marshall NJ, Ekins RP:** Thyrotrophin receptors in human adipose tissue [proceedings] J Endocrinol 79(2):57P–58P, Nov 78
*ADIPOSE TISSUE, metabolism/ HUMAN/ *RECEPTORS, HORMONE, metabolism/ *THYROTROPIN, metabolism

1240. **Gillies G, Estivariz FE, Lowry PJ:** Further characterization of rat corticotrophin releasing factor [proceedings] J Endocrinol 79(2):22P–23P, Nov 78
ANIMAL/ CHROMATOGRAPHY, GEL/ *CORTICOTROPIN RELEASING HORMONE, metabolism/ CORTICOTROPIN, secretion/ IN VITRO/ MEDIAN EMINENCE, metabolism/ PITUITARY GLAND, ANTERIOR, secretion/ RATS

1241. **Gillmer MD, Fox EJ, Jacobs HS:** Failure of withdrawal bleeding during combined oral contraceptive therapy:

'amenorrhoea on the pill'. Contraception 18(5):507–15, Nov 78
*AMENORRHEA, etiology/ *CONTRACEPTIVES, ORAL, therapeutic use/ *CONTRACEPTIVES, ORAL, COMBINED, therapeutic use/ ESTRADIOL, blood/ FEMALE/ FSH, blood/ HUMAN/ *UTERINE HEMORRHAGE, drug therapy

1242. **Gilman DP, Hitt JC:** Effects of gonadal hormones on pacing of sexual contacts by female rats. Behav Biol 24(1):77–87, Sep 78
ANIMAL/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *HORMONES, SYNTHETIC, pharmacodynamics/ *PROGESTERONE, pharmacodynamics/ RATS/ *SEX BEHAVIOR, ANIMAL, drug effects/ TIME FACTORS

1243. **Gindhart TD:** Liver tumors and oral contraceptives: pathology and pathogenesis. Ann Clin Lab Sci 8(6):443–6, Nov–Dec 78
*ADENOMA, chemically induced/ ADENOMA, pathology/ ADULT/ CASE REPORT/ CERVIX NEOPLASMS, chemically induced/ CERVIX NEOPLASMS, pathology/ CHLORMADINONE/ *CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ *LIVER NEOPLASMS, chemically induced/ LIVER NEOPLASMS, pathology/ MESTRANOL

1244. **Ginsberg MH, Kozin F:** Mechanisms of cellular interaction with monosodium urate crystals. IgG-dependent and IgG-independent platelet stimulation by urate crystals. Arthritis Rheum 21(8):896–903, Nov–Dec 78
*BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, immunology/ BLOOD PLATELETS, metabolism/ CALCIUM PYROPHOSPHATE, pharmacodynamics/ HUMAN/ *IGG, physiology/ IMMUNOGLOBULINS, FC, physiology/ IMMUNOGLOBULINS, SURFACE/ LIPOPOLYSACCHARIDES/ POLYSACCHARIDES, BACTERIAL/ POLYVINYLPYRIDINE N-OXIDE, pharmacodynamics/ SEROTONIN, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *URIC ACID, pharmacodynamics

1245. **Giovacchini PL:** The borderline aspects of adolescence and the borderline state. Adolesc Psychiatry 6:320–38, 1978
ADAPTATION, PSYCHOLOGICAL/ ADOLESCENCE/ CASE REPORT/ HUMAN/ MALE/ *PERSONALITY DISORDERS, psychology/ PERSONALITY DISORDERS, therapy/ PSYCHOANALYTIC THEORY/ PSYCHOANALYTIC THERAPY/ PSYCHOSES, psychology/ PSYCHOSEXUAL DEVELOPMENT/ PUBERTY/ SELF CONCEPT

1246. **Giovannangeli M, Lanza M, Lanza JP:** Diabète insipide et modifications de l'activité de l'hormone antidiurétique exogène sous l'influence du lithium chez le rat. C R Soc Biol (Paris) 172(3):505–11, 1978 (Eng. Abstr.) **(Fre)**
ANIMAL/ DIABETES INSIPIDUS, chemically induced/ *DIABETES INSIPIDUS, physiopathology/ DIURESIS, drug effects/ ENGLISH ABSTRACT/ *LITHIUM, adverse effects/ MALE/ RATS/ *VASOPRESSINS, pharmacodynamics

1247. **Girault JM, Jacob JJ:** Serotonin antagonists and central hyperthermia produced by biogenic amines in conscious rabbits. Eur J Pharmacol 53(2):191–200, 1 Jan 79
ANIMAL/ *BODY TEMPERATURE, drug effects/ CINANSERIN, pharmacodynamics/ DOPAMINE, pharmacodynamics/ FEVER, chemically induced/ FONAZINE MESYLATE, pharmacodynamics/ MALE/ METHIOTHEPIN, pharmacodynamics/ METHYSERGIDE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ RABBITS/ *SEROTONIN ANTAGONISTS, pharmacodynamics/ SEROTONIN, pharmacodynamics/ 2-BROMOLYSERGIC ACID DIETHYLAMIDE, pharmacodynamics

1248. **Girgis M:** Neostigmine activated epileptiform discharge in the amygdala: electrographic-behavioral correlations. Epilepsia 19(5):521–30, Oct 78
*AGGRESSION/ AMYGDALOID BODY, drug effects/ *AMYGDALOID BODY, physiopathology/ ANIMAL/ ATROPINE, pharmacodynamics/ CONVULSIONS, chemically induced/ *CONVULSIONS, physiopathology/ *ELECTROENCEPHALOGRAPHY/ MICROINJECTIONS/ MONKEYS/ *NEOSTIGMINE/ NEOSTIGMINE, administration & dosage

1249. **Giri KV, Singh SN:** Age-dependent response of lactate dehydrogenase of pituitary of rat to testosterone. Experientia 34(10):1270–1, 15 Oct 78
*AGING/ ANIMAL/ CASTRATION/ ENZYME INDUCTION, drug effects/ *LACTATE DEHYDROGENASE, metabolism/ MALE/ *PITUITARY GLAND, enzymology/ RATS/ *TESTOSTERONE, pharmacodynamics

1250. **Girndt J, Henning HV, Fuchs C:** Hyperparathyreoidismus und metabolische Acidose. Dtsch Med Wochenschr 104(8):285–7, 23 Feb 79 (Eng. Abstr.) **(Ger)**
*ACIDOSIS, etiology/ BICARBONATES, blood/ ENGLISH ABSTRACT/ HUMAN/ *HYPERPARATHYROIDISM, SECONDARY, complications/ HYPERPARATHYROIDISM, SECONDARY, surgery/ KIDNEY FAILURE, CHRONIC, complications/ MIDDLE AGE/ PARATHYROID GLANDS, surgery

1251. **Girndt J, Henning HV, Delling G, et al:** Erhöhte Parathormonsekretion als eine beeinflussbare Ursache der Azidose bei Nierenin-suffizienz. Verh Dtsch Ges Inn Med (84):1428–31, 1978 **(Ger)**
*ACIDOSIS, etiology/ BICARBONATES, urine/ HUMAN/ *KIDNEY FAILURE, CHRONIC, complications/ *PARATHYROID HORMONE, secretion

1252. **Giudice LC, Pierce JG:** Studies on the disulfide bonds of glycoprotein hormones. Formation and properties of 11,35-bis(S-alkyl) derivatives of the alpha subunit. J Biol Chem 254(4):1164–9, 25 Feb 79
ALKYLATION/ AMINO ACID SEQUENCE/ ANIMAL/ CATTLE/ CIRCULAR DICHROISM/ CYSTINE, analysis/ *DISULFIDES, analysis/ *LH/ MACROMOLECULAR SYSTEMS/ PEPTIDE FRAGMENTS, analysis/ PROTEIN CONFORMATION/ RADIOIMMUNOASSAY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1253. **Giurgea R, Wittenberger C, Frecus G, et al:** Beitrag zum Einfluss einiger organochlorurierter Pestizide auf die immunologische Reaktivität der weissen Ratte. Arch Exp Veterinaermed 32(5):769–74, 1978 (Eng. Abstr.) **(Ger)**
ADRENAL GLANDS, analysis/ ANIMAL/ *ANTIBODIES, BACTERIAL, analysis/ *ANTIBODY FORMATION, drug effects/ ANTIGENS, BACTERIAL/ ASCORBIC ACID, analysis/ CELL NUMBER/ DNA, analysis/ ENGLISH ABSTRACT/ ESCHERICHIA COLI, immunology/ *INSECTICIDES, ORGANOCHLORINE, adverse effects/ LEUKOCYTES/ RATS/ RNA, analysis/ THYMUS GLAND, analysis

1254. **Gjønnaess H, Munkeby I, Frølich W, et al:** Effect of estrogen treatment on coagulation and fibrinolysis in postmenopausal women. With special reference to cold activation of factor VII. Gynecol Obstet Invest 9(2–3):109–23, 1978
ADMINISTRATION, ORAL/ *BLOOD COAGULATION, drug effects/ COLD/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, administration & dosage/ *ESTRADIOL, therapeutic use/ ESTRIOL, administration & dosage/ *ESTRIOL, therapeutic use/ *FACTOR VII, metabolism/ FEMALE/ *FIBRINOLYSIS, drug effects/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ KALLIKREIN, blood/ KININS, blood/ *MENOPAUSE/ PROTEASE INHIBITORS, blood

1255. **Glanzmann Ch, Horst W:** Therapie der Hyperthyreose mit 125-Jod: Erfahrungen bei 93 Patienten 3—5 Jahre nach Behandlung und Vergleich mit 131-Jod Therapie. Strahlentherapie 155(1):1–5, Jan 79 (Eng. Abstr.) **(Ger)**
ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ HUMAN/ *HYPERTHYROIDISM, radiotherapy/ HYPOTHYROIDISM, etiology/ *IODINE RADIOISOTOPES, therapeutic use/ RADIOTHERAPY, adverse effects/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

1256. **Glass MR, Shaw RW, Butt WR, et al:** Oestrogen-gonadotrophin feedback abnormalities in hyperprolactinaemic amenorrhoea demonstrated by the response to clomiphene administration. Br J Obstet Gynaecol 86(1):64–8, Jan 79
*AMENORRHEA, blood/ AMENORRHEA, drug therapy/ AMENORRHEA, urine/ *CLOMIPHENE, pharmacodynamics/ CLOMIPHENE, therapeutic use/ ESTROGENS, urine/ FEEDBACK/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ OVULATION, drug effects/ *PROLACTIN, blood

1257. **Gleicher N, Gergely ZR, Deppe G:** An infected ovarian hematoma as the presenting symptom of systemic lupus erythematosus. J Reprod Med 21(4):223–7, Oct 78
ADNEXITIS, etiology/ ADULT/ CASE REPORT/ FEMALE/ HEMATOMA, complications/ *HEMATOMA, etiology/ HUMAN/ INFECTION, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, diagnosis/ OVARIAN DISEASES, complications/ *OVARIAN DISEASES, etiology/ THROMBOPENIA, complications

1258. **Gless KH, Bönner G, Gram N, et al:** Pharmacokinetic and pharmacodynamic studies of infusions with [Sar 1, Val5, Ala8] angiotensin II (saralasin). Klin Wochenschr 56 Suppl 1:97–105, 1978
ANGIOTENSIN I, blood/ *ANGIOTENSIN II, analogs & derivatives/ ANGIOTENSIN II, blood/ ANIMAL/ *BLOOD PRESSURE, drug effects/ CHLORTHALIDONE, pharmacodynamics/ DIET, SALT-FREE/ FEMALE/ HUMAN/ *HYPERTENSION, RENAL, drug therapy/ HYPERTENSION, RENAL, physiopathology/ KINETICS/ MALE/ RATS/ RENIN, blood/ SARALASIN, adverse effects/ SARALASIN, diagnostic use/ *SARALASIN, pharmacodynamics/ SARALASIN, therapeutic use

1259. **Glimcher MD, Wilson MJ, Szabo G:** Testosterone and UVL-B stimulation of epidermal melanocytes in rat scrotal skin. Anat Rec 193(1):43–53, Jan 79
ANIMAL/ CASTRATION/ CELL NUMBER/ MALE/ *MELANOCYTES, cytology/ MELANOCYTES, drug effects/ MELANOCYTES, radiation effects/ RATS/ *SCROTUM, cytology/ SKIN, cytology/ *TESTOSTERONE, pharmacodynamics/ *ULTRAVIOLET RAYS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1260. **Glimcher MJ:** Phosphopeptides of enamel matrix. J Dent Res 58 Spec No 8:790–809, Mar 79
AMINO ACID SEQUENCE/ BINDING SITES/ BONE AND BONES, analysis/ CALCIFICATION, PHYSIOLOGIC/ CALCIUM PHOSPHATES, physiology/ CALCIUM, physiology/ CHEMISTRY, PHYSICAL/ COLLAGEN, physiology/ COMPARATIVE STUDY/ CRYSTALLOGRAPHY/ *DENTAL ENAMEL PROTEINS/ DENTAL ENAMEL PROTEINS, analysis/ DENTAL ENAMEL, analysis/ GLUTAMINE, analysis/ HUMAN/ LEUCINE, analysis/ MODELS, CHEMICAL/ NUCLEAR MAGNETIC RESONANCE/ PHOSPHATES/ *PHOSPHOPEPTIDES/ PHOSPHOPEPTIDES, analysis/ PHOSPHOPEPTIDES, physiology/ PROTEIN CONFORMATION/ SERINE, analysis/ TOOTH CALCIFICATION/ TYROSINE, analysis

1261. **Globus M, Samuel D:** Effect of maternally administered sodium nitrite on hepatic erythropoiesis in fetal CD-1 mice. Teratology 18(3):367–78, Dec 78
ANIMAL/ *BONE AND BONES, embryology/ *ERYTHROPOIESIS, drug effects/ FEMALE/ GESTATIONAL AGE/ *LIVER, embryology/ LIVER, physiology/ *MATERNAL-FETAL EXCHANGE/ MICE/ *NITRITES, pharmacodynamics/ PREGNANCY/ *SODIUM NITRITE, pharmacodynamics/ *TERATOGENS

1262. **Gloor M, Funder H, Franke M:** Effect of topical application of dexamethasone on Propionibacteria in the pilosebaceous duct. Eur J Clin Pharmacol 14(1):53–6, 9 Nov 78
ADMINISTRATION, TOPICAL/ ADOLESCENCE/ ANAEROBIOSIS/ CHILD/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, pharmacodynamics/ HUMAN/ MALE/ PROPIONIBACTERIUM ACNES, drug effects/ *PROPIONIBACTERIUM, drug effects/ SEBACEOUS GLANDS, drug effects/ *SEBACEOUS GLANDS, microbiology

1263. **Gloor M:** Moderne Therapie der Akne vulgaris. Ein Therapievorschlag zur Routine-Behandlung unkomplizierter Fälle. Fortschr Med 97(1):26–32, 4 Jan 79 (Eng. Abstr.) **(Ger)**
ACNE, diagnosis/ *ACNE, drug therapy/ ACNE, physiopathology/ ADOLESCENCE/ ADULT/ ANDROGEN ANTAGONISTS, therapeutic use/ ANTIBIOTICS, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ HUMAN/ SEBORRHEA, complications/ SEBORRHEA, drug therapy/ TRETINOIN, therapeutic use

1264. **Gnodde HP, van Dieten JA, van Rees GP, et al:** Conversion of progesterone to testosterone in the rat Leydig cell. Proc Soc Exp Biol Med 160(1):130–3, Jan 79
ANIMAL/ BIOLOGICAL ASSAY/ FEMALE/ *GONADOTROPINS, CHORIONIC, blood/ IN VITRO/ LEYDIG CELLS, drug effects/ *LEYDIG CELLS, metabolism/ LH, administration & dosage/ *LH, blood/ MALE/ PREGNANCY/ *PROGESTERONE, metabolism/ RATS/ *TESTOSTERONE, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1265. **Godfraind T, Morel N:** Inhibitors of calcium influx. pp. 144–51.
In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.
ANIMAL/ AORTA, metabolism/ AORTA, physiology/ BLOOD VESSELS, metabolism/ BLOOD VESSELS, physiology/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CINNARIZINE, analogs & derivatives/ CINNARIZINE, metabolism/ CINNARIZINE, pharmacodynamics/ IN VITRO/ LANTHANUM, pharmacodynamics/ MESENTERIC ARTERIES, physiology/ MONOGRAPH/ *MUSCLE, SMOOTH, metabolism/ MUSCLE, SMOOTH, physiology/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ RABBITS/ RATS/ VASOCONSTRICTION, drug effects

1266. **Goerz G:** Moderne interne Therapie von Hautkrankheiten. MMW 121(4):133–6, 26 Jan 79 (Eng. Abstr.) **(Ger)**
ANTI-INFLAMMATORY AGENTS, therapeutic use/ CAROTENOIDS, therapeutic use/ CHLOROQUINE, therapeutic use/ ENGLISH ABSTRACT/ *GLUCOCORTICOIDS, therapeutic use/ HUMAN/ PORPHYRIA, drug therapy/ PROSTAGLANDIN SYNTHASE, antagonists & inhibitors/ *SKIN DISEASES, drug therapy

1267. **Goischke HK:** Zur problematik der Phäochromozytomdiagnostik. Dtsch Med Wochenschr 104(3):109–10, 19 Jan 79 **(Ger)**
*ADRENAL GLAND NEOPLASMS, diagnosis/ HUMAN/ HYPERTENSION, diagnosis/ *PHEOCHROMOCYTOMA, diagnosis

1268. **Goischke HK, GER:** Bemerkungen zu der Veröffentlichung 'Die hypothalamischen Steuerungshormone und ihre klinische Bedeutung' von L. Weisbecker (Wien. med. Wschr. 128 [1978]:284). Wien Med Wochenschr 128(24):766, 30 Dec 78 **(Ger)**
*ERGOCRYPTINE, physiology/ *ERGOTOXINE, physiology/ HUMAN/ *HYPOTHALAMUS, drug effects/ PROLACTIN RELEASING HORMONE, physiology

1269. **Gokhale BB:** Vitiligo and anti-malarials [letter] Int J Dermatol 17(10):843, Dec 78
ANIMAL/ *ANTIMALARIALS, therapeutic use/ CORTISONE, blood/ HUMAN/ *QUINACRINE, therapeutic use/ VITILIGO, blood/ *VITILIGO, drug therapy

1270. **Golbus MS, Loughman WD, Epstein CJ, et al:** Prenatal genetic diagnosis in 3000 amniocenteses. N Engl J Med 300(4):157–63, 25 Jan 79
ABORTION, etiology/ ADULT/ *AMNIOCENTESIS/ AMNIOCENTESIS, adverse effects/ ANEUPLOIDY/ CHROMOSOME ABNORMALITIES, diagnosis/ DIAGNOSTIC ERRORS/ DOWN'S SYNDROME, diagnosis/ FEMALE/ GESTATIONAL AGE/ *HEREDITARY

DISEASES, diagnosis/ HUMAN/ MALE/ MATERNAL AGE/ METABOLISM, INBORN ERRORS, diagnosis/ MOSAICISM/ PREGNANCY/ PREGNANCY, MULTIPLE/ RISK/ SEX DETERMINATION/ SOCIOECONOMIC FACTORS/ TRANSLOCATION (GENETICS)/ ULTRASONICS, diagnostic use/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1271. **Goldberg RT:** Vertical pendular nystagmus in chronic myositis of medial and lateral rectus. Ann Ophthalmol 10(12):1697–1702, Dec 78
ADULT/ CASE REPORT/ CHRONIC DISEASE/ DIPLOPIA, complications/ DRUG HYPERSENSITIVITY, complications/ FEMALE/ HUMAN/ LIDOCAINE, adverse effects/ MEPIVACAINE, adverse effects/ MYOSITIS, chemically induced/ *MYOSITIS, complications/ MYOSITIS, diagnosis/ *NYSTAGMUS, etiology/ *OCULOMOTOR MUSCLES/ STEROIDS, therapeutic use/ TOOTH EXTRACTION, adverse effects/ ULTRASONICS, diagnostic use/ VISION DISORDERS, complications

1272. **Goldman M, Bruning G:** Effect of vasectomy on thyroid function. Res Commun Chem Pathol Pharmacol 22(2):423–6, Nov 78
ANIMAL/ IODINE, metabolism/ ORGAN WEIGHT/ PROSTATE, physiology/ RATS/ SEMINAL VESICLES, physiology/ TESTIS/ *THYROID GLAND, physiology/ *VASECTOMY

1273. **Goldsmith JF, Brain PF, Benton D:** Effects of the duration of individual or group housing on behavioural and adrenocortical reactivity in male mice. Physiol Behav 21(5):757–60, Nov 78
*ADRENAL CORTEX, physiology/ ANIMAL/ *CORTICOSTERONE, blood/ *CROWDING/ MALE/ MICE/ *SOCIAL ISOLATION/ *STRESS, PSYCHOLOGICAL, blood/ TIME FACTORS

1274. **Goldspink DF, McGrath JA:** The differing effects of cortisone treatment on protein turnover of normally active and immobilized rat soleus muscles [proceedings] J Physiol (Lond) 284:183P–184P, Nov 78
ANIMAL/ *CORTISONE, pharmacodynamics/ MUSCLE CONTRACTION/ *MUSCLE PROTEINS, metabolism/ MUSCLES, drug effects/ *MUSCLES, metabolism/ RATS

1275. **Goldstein A:** Endorphins: physiology and clinical implications. Ann NY Acad Sci 311:49–58, 1978
AMINO ACID SEQUENCE/ ANIMAL/ BRAIN, metabolism/ DRUG DEPENDENCE, physiopathology/ ENDORPHINS, administration & dosage/ ENDORPHINS, metabolism/ ENDORPHINS, pharmacodynamics/ *ENDORPHINS, physiology/ HUMAN/ NALOXONE, pharmacodynamics/ PAIN, physiopathology/ RECEPTORS, NARCOTIC, drug effects/ RECEPTORS, NARCOTIC, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1276. **Goldstein G:** Chemotherapy of uroepithelial tumors. Prog Clin Biol Res 25:105–15, 1978 (31 ref.)
ADENOCARCINOMA, therapy/ *ANTINEOPLASTIC AGENTS, administration & dosage/ BLADDER NEOPLASMS, therapy/ DRUG THERAPY, COMBINATION/ HUMAN/ KIDNEY NEOPLASMS, therapy/ MALE/ PROSTATIC NEOPLASMS, therapy/ REVIEW/ TESTICULAR NEOPLASMS, therapy/ *UROGENITAL NEOPLASMS, drug therapy/ UROGENITAL NEOPLASMS, therapy

1277. **Golikov PP, Bobkova AS:** Influence of epiphysectomy on the circadian rhythm of the glucocorticoid, androgenic, estrogenic, and gestagenic function of the endocrine glands. Neurosci Behav Physiol 8(4):281–4, Oct–Dec 77
ANIMAL/ *CIRCADIAN RHYTHM/ ESTROGENS, blood/ FEMALE/ MALE/ *PINEAL BODY, physiology/ PROGESTERONE, blood/ RATS/ SEX FACTORS/ *SEX HORMONES, blood/ TESTOSTERONE, blood/ *11-HYDROXYCORTICOSTEROIDS, blood

1278. **Golikov PP:** Vliianie proteoliticheskikh fermentov na uroven' kortizol- i deksametazonsviazyvaiushchikh belkov plazy krovi donorov. Probl Gematol Pereliv Krovi 24(1):11–3, Jan 79 (Eng. Abstr.) **(Rus)**
*BLOOD DONORS/ *BLOOD PROTEINS, metabolism/ CHYMOTRYPSIN, pharmacodynamics/ *DEXAMETHASONE, blood/ DRUG INTERACTIONS/ ENGLISH ABSTRACT/ HUMAN/ *HYDROCORTISONE, blood/ IN VITRO/ *PEPTIDE HYDROLASES, pharmacodynamics/ PRONASE, pharmacodynamics/ PROTEIN BINDING, drug effects/ TRYPSIN, pharmacodynamics

1279. **Gómez Saez JM, Soler Ramón J, Bernat R:** Seudohermafroditismo masculino incompleto, tipo I, aislado. Rev Clin Esp 151(1):73–6, 15 Oct 78 **(Spa)**
CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ GYNECOMASTIA, etiology/ HUMAN/ HYPOSPADIAS, complications/ MALE/ MIDDLE AGE/ *PSEUDOHERMAPHRODITISM, pathology/ TESTIS, pathology

1280. **Goncharov NP, Taranov AG, Antonichev AV, et al:** Effect of stress on the profile of plasma steroids in baboons (Papio hamadryas). Acta Endocrinol (Copenh) 90(2):372–84, Feb 79
ANIMAL/ *BABOONS, blood/ DIHYDROPROGESTERONE, blood/ ESTRADIOL, blood/ ESTRONE, blood/ FEMALE/ HYDROCORTISONE, blood/ HYDROXYPREGNENOLONE, blood/ HYDROXYPROGESTERONES, blood/ IMMOBILIZATION/ MALE/ MONKEYS/ *PAPIO, blood/ PREGNENOLONE, blood/ *PROGESTATIONAL HORMONES, blood/ PROGESTERONE, blood/ RADIOIMMUNOASSAY/ RADIOLIGAND ASSAY/ *SEX HORMONES, blood/ STANOLONE, blood/ *STRESS/ TESTOSTERONE, blood

1281. **Gondos B, Connell CJ:** Cellular interrelationships in the fetal rabbit testis. Arch Androl 1(1):19–30, 1978
ANIMAL/ CELL MEMBRANE, ultrastructure/ *FETUS, ultrastructure/ GERM CELLS, ultrastructure/ *INTERCELLULAR JUNCTIONS, ultrastructure/ LEYDIG CELLS, ultrastructure/ MALE/ RABBITS/ SERTOLI CELLS, ultrastructure/ *TESTIS, ultrastructure/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1282. **Gontscharow NP, Todua TN, Woronzow WI, et al:** Steroidstoffwechsel bei Primaten. XX. Ausscheidung von C21-Steroiden im Urin bei Frauen und beim Pavian (Papio hamadryas) während der Schwangershaft. Endokrinologie 72(2):136–40, May 78 (Eng. Abstr.) **(Ger)**
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, urine/ ADULT/ ANIMAL/ BABOONS/ CORTODOXONE, urine/ ENGLISH ABSTRACT/ FEMALE/ GLUCURONATES, urine/ HUMAN/ MONKEYS/ *PREGNANCY/ SULFURIC ACID ESTERS, urine/ TETRAHYDROCORTISOL, urine/ TETRAHYDROCORTISONE, analogs & derivatives/ TETRAHYDROCORTISONE, urine

1283. **Gonzales R, Garcia M:** Lack of alpha-adrenergic component in the chronotrophic action of serotonin on isolated atrium of hamster. Pol J Pharmacol Pharm 30(4):425–9, Jul–Aug 78
ANIMAL/ DRUG INTERACTIONS/ FEMALE/ HAMSTERS/ *HEART RATE, drug effects/ HEART, innervation/ IN VITRO/ MALE/ METHOXAMINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ *RECEPTORS, ADRENERGIC, drug effects/ *RECEPTORS, ADRENERGIC, ALPHA, drug effects/ *SEROTONIN, pharmacodynamics

1284. **Gonzalez SM, Sullivan H:** Occult hypothyroidism in a nursing home population. Ariz Med 36(1):24–5, Jan 79
AGED/ AGING/ ARIZONA/ CASE REPORT/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, occurrence/ MALE/ MASS SCREENING/ MIDDLE AGE/ *NURSING HOMES

1285. **Goodenow TJ, Malarkey WB:** Ineffectiveness of pyridoxine in evaluation and treatment of the hyperprolactinemic amenorrhea-galactorrhea syndrome. Am J Obstet Gynecol 133(2):161–4, 15 Jan 79
ADMINISTRATION, ORAL/ ADULT/ *AMENORRHEA, diagnosis/ AMENORRHEA, drug therapy/ DRUG EVALUATION/ FEMALE/ *GALACTORRHEA, diagnosis/ GALACTORRHEA, drug therapy/ HUMAN/ INJECTIONS, INTRAVENOUS/ *LACTATION DISORDERS, diagnosis/ *PROLACTIN, blood/ PYRIDOXINE,

administration & dosage/ *PYRIDOXINE, diagnostic use/ *PYRIDOXINE, therapeutic use/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1286. **Goodman DB, Stadel JM, Rasmussen H:** Photoaffinity labeling of the antidiuretic hormone receptor. J Membr Biol 40 Spec No:323–9, 1978
*AFFINITY LABELS/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ *BLADDER, metabolism/ LIGHT/ OXYTOCIN, analogs & derivatives/ *OXYTOCIN, metabolism/ *RECEPTORS, HORMONE, metabolism/ SODIUM, metabolism/ TOADS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VASOPRESSINS, metabolism

1287. **Goodrum KJ, Berry LJ:** The effect of glucocorticoid antagonizing factor on hepatoma cells.
Proc Soc Exp Biol Med 159(3):359–63, Dec 78
ANIMAL/ BACTERIAL TOXINS, pharmacodynamics/ *BLOOD PROTEINS, pharmacodynamics/ CELL LINE/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ *ENDOTOXINS, pharmacodynamics/ ENZYME INDUCTION, drug effects/ FEMALE/ *GLUCOCORTICOIDS, antagonists & inhibitors/ HEPATOMA, EXPERIMENTAL, enzymology/ HYDROCORTISONE, antagonists & inhibitors/ MACROPHAGES, drug effects/ MALE/ MICE/ *PHOSPHOENOLPYRUVATE CARBOXYKINASES, biosynthesis/ RATS/ SALMONELLA TYPHIMURIUM/ TYROSINE AMINOTRANSFERASE, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1288. **Goodwin M, Gooding KM, Regnier F:** Sex pheromone in the dog. Science 203(4380):559–61, Feb 79
ANIMAL/ *DOGS, physiology/ *ESTRUS/ FEMALE/ HYDROXYBENZOIC ACIDS/ MALE/ *PHEROMONES, physiology/ POSTURE/ PROESTRUS/ *SEX ATTRACTANTS, physiology/ SEX BEHAVIOR, ANIMAL, physiology/ SMELL/ VAGINA, physiology

1289. **Gorban' EN:** Vozrastnye osobennosti temperaturnoĭ zavisimosti protsessa repoliarizatsii membrany kletok kory nadpochechnikov. Biull Eksp Biol Med 86(12):651–3, Dec 78 (Eng. Abstr.) **(Rus)**
*ADRENAL CORTEX, physiology/ AGE FACTORS/ ANIMAL/ COMPARATIVE STUDY/ ENERGY METABOLISM/ ENGLISH ABSTRACT/ IN VITRO/ MEMBRANE POTENTIALS/ RATS/ TEMPERATURE

1290. **Gordin A, Maatela J, Miettinen A, et al:** Serum thyrotrophin and circulating thyroglobulin and thyroid microsomal antibodies in a Finnish population.
Acta Endocrinol (Copenh) 90(1):33–42, Jan 79
ADULT/ *ANTIBODIES/ ANTIBODIES, analysis/ CHOLESTEROL, blood/ FINLAND/ HEMAGGLUTINATION TESTS/ HUMAN/ HYPERTHYROIDISM, immunology/ HYPERTHYROIDISM, occurrence/ HYPOTHYROIDISM, immunology/ HYPOTHYROIDISM, occurrence/ *MICROSOMES, immunology/ *THYROGLOBULIN, immunology/ *THYROID GLAND, immunology/ *THYROTROPIN, blood/ THYROXINE, blood/ TRIGLYCERIDES, blood

1291. **Gordon AA:** Contraception at Port Elizabeth clinics [letter] S Afr Med J 54(11):424, 9 Sep 78
*BLACKS/ *CONTRACEPTIVE DEVICES/ *CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ SOUTH AFRICA/ *WHITES

1292. **Gordon GG, Southren AL, Vittek J, et al:** The effect of alcohol ingestion on hepatic aromatase activity and plasma steroid hormones in the rat. Metabolism 28(1):20–4, Jan 79
AGING/ *ALCOHOL DRINKING/ *ALCOHOL, ETHYL, pharmacodynamics/ *ANDROSTENEDIONE, metabolism/ ANIMAL/ *AROMATASE, metabolism/ *ESTRADIOL, metabolism/ *ESTRONE, metabolism/ LIVER, drug effects/ *LIVER, enzymology/ LIVER, growth & development/ *OXIDOREDUCTASES, metabolism/ RATS/ TESTIS, drug effects/ TESTIS, growth & development/ TESTIS, physiology/ *TESTOSTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1293. **Gordon JL, Pearson JD:** Effects of sulphinpyrazone and aspirin on prostaglandin I2 (prostacyclin) synthesis by endothelial cells. Br J Pharmacol 64(4):481–3, Dec 78
*ASPIRIN, pharmacodynamics/ CELLS, CULTURED/ ENDOTHELIUM, cytology/ ENDOTHELIUM, drug effects/ ENDOTHELIUM, metabolism/ *PROSTAGLANDINS X, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ *SULFINPYRAZONE, pharmacodynamics

1294. **Gordon TP, Bernstein IS, Rose RM:** Social and seasonal influences on testosterone secretion in the male rhesus monkey. Physiol Behav 21(4):623–7, Oct 78
ANIMAL/ *MACACA, physiology/ MALE/ MONKEYS/ PERIODICITY/ RHESUS MONKEYS, blood/ *RHESUS MONKEYS, physiology/ *SEASONS/ SEX BEHAVIOR, ANIMAL, physiology/ *SOCIAL ENVIRONMENT/ *TESTOSTERONE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1295. **Gorewit RC:** Method for determining oxytocin concentrations in unextracted sera; characterization in lactating cattle.
Proc Soc Exp Biol Med 160(1):80–7, Jan 79
ANIMAL/ CATTLE/ FEMALE/ *LACTATION/ MAMMAE, physiology/ MILK EJECTION/ *OXYTOCIN, blood/ PREGNANCY/ PRESSURE/ *RADIOIMMUNOASSAY, methods

1296. **Gorin FA, Balasubramanian, TM, Barry CD, et al:** Elucidation of the receptor-bound conformation of the enkephalins.
J Supramol Struct 9(1):27–39, 1978
*ENDORPHINS/ ENDORPHINS, metabolism/ *ENKEPHALINS/ ENKEPHALINS, metabolism/ HYDROGEN BONDING/ NUCLEAR MAGNETIC RESONANCE/ OPIUM/ PROTEIN CONFORMATION/ RECEPTORS, DRUG, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ THERMODYNAMICS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ X-RAY DIFFRACTION

1297. **Gorlin RJ, Langer LO Jr:** Dyssegmental dwarfism (?s): lethal anisospondylic camptomicromelic dwarfism. Birth Defects 14(6B):193–7, 1978
*BONE DISEASES, DEVELOPMENTAL, familial & genetic/ *CLEFT PALATE, familial & genetic/ *DWARFISM, familial & genetic/ FEMALE/ GENES, LETHAL/ HUMAN/ INFANT, NEWBORN/ MALE/ SYNDROME/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1298. **Gorman RR:** Modulation of human platelet function by prostacyclin and thromboxane A2. Fed Proc 38(1):83–8, Jan 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ *BLOOD PLATELETS, metabolism/ CALCIUM, blood/ HUMAN/ IMIDAZOLES, pharmacodynamics/ *PLATELET AGGREGATION, drug effects/ PROSTAGLANDINS E, antagonists & inhibitors/ PROSTAGLANDINS G, pharmacodynamics/ PROSTAGLANDINS H, pharmacodynamics/ *PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ *THROMBOXANE A2, pharmacodynamics/ THROMBOXANE SYNTHETASE, antagonists & inhibitors/ *THROMBOXANES, pharmacodynamics

1299. **Gorman RR, Wierenga W, Miller OV:** Independence of the cyclic AMP-lowering activity of thromboxane A2 from the platelet release reaction. Biochim Biophys Acta 572(1):95–104, 29 Jan 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ *BLOOD PLATELETS, drug effects/ CALCIUM, pharmacodynamics/ EGTA, pharmacodynamics/ GALLIC ACID, analogs & derivatives/ GALLIC ACID, pharmacodynamics/ HUMAN/ MODELS, BIOLOGICAL/ PLATELET AGGREGATION, drug effects/ PROSTAGLANDINS H, pharmacodynamics/ PROSTAGLANDINS X, pharmacodynamics/ SEROTONIN, metabolism/ *THROMBOXANE A2, pharmacodynamics/ THROMBOXANE B2, biosynthesis/ *THROMBOXANES, pharmacodynamics

1300. **Gorman RR, Hamilton RD, Hopkins NK:** Stimulation of human foreskin fibroblast adenosine 3':5'-cyclic monophosphate levels by prostacyclin (prostaglandin I2). J Biol Chem 254(5):1671–6, 10 Mar 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,

metabolism/ CELLS, CULTURED/ CHROMATOGRAPHY, GAS/ FIBROBLASTS, drug effects/ FIBROBLASTS, metabolism/ HUMAN/ KINETICS/ MALE/ *PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ SKIN, drug effects/ *SKIN, metabolism/ SPECTRUM ANALYSIS, MASS

1301. **Gormley PE, Bull JM, LeRoy AF, et al:** Kinetics of cis-dichlorodiammineplatinum. Clin Pharmacol Ther 25(3):351-7, Mar 79
ANIMAL/ BLOOD PROTEINS, metabolism/ BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, metabolism/ CELL SURVIVAL, drug effects/ *DIAMMONIUM CHLOROPLATINUM COMPOUNDS, metabolism/ FEMALE/ HUMAN/ IN VITRO/ KINETICS/ LEUKEMIA L1210, pathology/ MICE/ OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, metabolism/ *PLATINUM DIAMMINODICHLORIDE, metabolism/ PLATINUM DIAMMINODICHLORIDE, therapeutic use/ PLATINUM, blood/ PLATINUM, urine/ PROTEIN BINDING

1302. **Górski J, Stankiewicz-Chorószucha B:** Effect of stress stimuli on glycogen level in the rat uterus. Arch Gynecol 226(3):247-50, 30 Nov 78
ANIMAL/ BLOOD SUGAR, analysis/ COLD/ ESTRADIOL/ EXERTION/ FASTING/ FEMALE/ *GLYCOGEN, analysis/ OILS/ PEANUTS/ RATS/ *STRESS, metabolism/ SWIMMING/ TIME FACTORS/ *UTERUS, analysis

1303. **Gorski RA:** Sexual differentiation of the brain. Hosp Pract 13(10):55-62, Oct 78
ANIMAL/ *BRAIN, physiology/ ESTROGENS, metabolism/ ESTRUS/ FEMALE/ GONADOTROPINS, PITUITARY, physiology/ HUMAN/ HYPOTHALAMUS, anatomy & histology/ HYPOTHALAMUS, physiology/ LH, metabolism/ MALE/ OVULATION/ PITUITARY GLAND, physiology/ PROGESTERONE, metabolism/ RATS/ REPRODUCTION/ SEX BEHAVIOR/ *SEX DIFFERENTIATION/ SEX FACTORS/ SEX HORMONES, physiology

1304. **Goshima K, Owaribe K, Yamanaka H, et al:** Requirement of calcium ions for cell degeneration with a toxin (vibriolysin) from Vibrio parahaemolyticus. Infect Immun 22(3):821-32, Dec 78
*BACTERIAL TOXINS, pharmacodynamics/ CALCIUM, metabolism/ *CALCIUM, pharmacodynamics/ CELL NUCLEOLUS, drug effects/ *CELLS, CULTURED, drug effects/ MICROFILAMENTS, drug effects/ MICROTUBULES, drug effects/ MYOCARDIAL CONTRACTION, drug effects/ *MYOCARDIUM, cytology/ POTASSIUM, pharmacodynamics/ SODIUM, pharmacodynamics/ *VIBRIO PARAHAEMOLYTICUS

1305. **Goshima K:** [Effect of catecholamine on the beating of cultured myocardial cells (author's transl)] Tanpakushitsu Kakusan Koso 23(13):1283-9, 1978 (25 ref.) **(Jpn)**
ACTION POTENTIALS/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ *CATECHOLAMINES, pharmacodynamics/ *CELLS, CULTURED, physiology/ CHICK EMBRYO/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ MICE/ MYOCARDIAL CONTRACTION, drug effects/ *MYOCARDIUM, cytology/ MYOCARDIUM, ultrastructure/ REVIEW

1306. **Goswami HK:** Effect of oral contraceptive on plant chromosomes [letter] Curr Sci 47(14):515-6, 20 Jul 78
*CHROMOSOMES, drug effects/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ *CONTRACEPTIVES, ORAL, COMBINED, pharmacodynamics/ HUMAN/ *LYNESTRENOL, pharmacodynamics/ *PLANTS, drug effects

1307. **Goutte-Coussieu C, Habrioux G, Eichenberger D, et al:** Rapid fluorometry of estrogens in nonpregnancy urine, with use of chloroform extraction and purification by anion-exchange chromatography. Clin Chem 25(2):230-4, Feb 79
CHLOROFORM/ CHROMATOGRAPHY, ION EXCHANGE/ ESTROGENIC SUBSTANCES, CONJUGATED, urine/ ESTROGENS, isolation & purification/ *ESTROGENS, urine/ FEMALE/ FLUOROMETRY/ HUMAN/ HYDROLYSIS/ METHODS

1308. **Goutte-Coussieu C, Adessi G, Tran Quang Nuhan, et al:** Etude comparée du métabolisme, in vitro, de la [6, 7-3H-A1 estrone et du [6, 7-3H] estrone-3-sulfate par le foie maternel et foetal du cobaye. Biochimie 60(8):795-8, 1978 (Eng. Abstr.) **(Fre)**
ANIMAL/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ ESTRADIOL, biosynthesis/ ESTROGENIC SUBSTANCES, CONJUGATED, metabolism/ *ESTRONE, analogs & derivatives/ *ESTRONE, metabolism/ FEMALE/ *FETUS, metabolism/ GUINEA PIGS/ IN VITRO/ LIVER, embryology/ *LIVER, metabolism

1309. **Govaerts J, van Sande M, Van Camp K:** Preliminary report on the effect of gestonorone capronate on human prostate LDH-isoenzymes. Acta Urol Belg 46(4):389-92, 1978
*GESTONORONE CAPROATE, pharmacodynamics/ HUMAN/ *LACTATE DEHYDROGENASE ISOENZYMES, metabolism/ MALE/ PROSTATE, drug effects/ *PROSTATE, enzymology/ PROSTATIC HYPERTROPHY, enzymology/ PROSTATIC NEOPLASMS, enzymology

1310. **Graber SE, Bomboy JD Jr, Salmon WD Jr, et al:** Evidence that endotoxin is the cyclic 3':5'-GMP--promoting factor in erythropoietin preparations. J Lab Clin Med 93(1):25-31, Jan 79
ANIMAL/ *ENDOTOXINS, pharmacodynamics/ *ERYTHROPOIETIN, pharmacodynamics/ ESCHERICHIA COLI/ FEMALE/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HORSESHOE CRABS/ PREGNANCY/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1311. **Grachev II, Galantsev VP, Kisliakova LP:** Dinamika krovoobrashcheniia i potreblenie kisloroda v molochnoĭ zheleze. Fiziol Zh SSSR 64(11):1619-25, Nov 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ ENGLISH ABSTRACT/ FEMALE/ *LACTATION/ MAMMAE, blood supply/ MAMMAE, metabolism/ *MAMMAE, physiology/ MICE/ *OXYGEN CONSUMPTION/ PERIODICITY/ REGIONAL BLOOD FLOW

1312. **Grachev II, Galantsev VP:** Funktsional'naia sistema laktatsii. Nerv Sist 18:78-88, 1978 **(Rus)**
ANIMAL/ *CENTRAL NERVOUS SYSTEM, physiology/ FEMALE/ *LACTATION/ PREGNANCY

1313. **Graef V, Furuya E, Nishikaze O:** Removal of contaminating substances before gas-liquid-chromatographic determination of aldosterone in urine. Clin Chem 25(1):141-3, Jan 79
*ALDOSTERONE, urine/ CHROMATOGRAPHY, GAS, methods/ GLUCURONIDASE/ HUMAN

1314. **Graeff FG, Silveira Filho NG:** Behavioral inhibition induced by electrical stimulation of the median raphe nucleus of the rat. Physiol Behav 21(4):477-84, Oct 78
P-CHLOROPHENYLALANINE, pharmacodynamics/ ANIMAL/ BEHAVIOR, ANIMAL, drug effects/ *BEHAVIOR, ANIMAL, physiology/ *BRAIN STEM, physiology/ CONDITIONING, OPERANT, physiology/ DEFECATION/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ MALE/ RAPHE NUCLEI, anatomy & histology/ *RAPHE NUCLEI, physiology/ RATS/ REINFORCEMENT SCHEDULE/ SEROTONIN, physiology/ TIME FACTORS

1315. **Graf B, Thillard MJ, Labat ML, et al:** Lymph nodes in congenital osteopetrosis of the op rat (ultrastructural study). Biomedicine [Express] 29(6):200-8, Oct 78
ANIMAL/ LYMPH NODES, cytology/ *LYMPH NODES, ultrastructure/ OSTEOPETROSIS, congenital/ *OSTEOPETROSIS, pathology/ RATS/ TIME FACTORS

1316. **Granelli-Piperno A, Vassalli JD, Reich E:** RNA and protein synthesis in human peripheral blood polymorphonuclear leukocytes. J Exp Med 149(1):284-9, 1 Jan 79
*BLOOD PROTEINS, biosynthesis/ CELLS, CULTURED/ CONCANAVALIN A, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ HUMAN/ *NEUTROPHILS, metabolism/ *RNA, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1317. **Granoff AB, Abraham GE:** Peripheral and adrenal venous levels

of steroids in a patient with virilizing adrenal adenoma. Obstet Gynecol 53(1):111–5, Jan 79
*ADENOMA, VIRILIZING, blood/ ADENOMA, VIRILIZING, secretion/ ADOLESCENCE/ *ADRENAL GLAND NEOPLASMS, blood/ ADRENAL GLAND NEOPLASMS, secretion/ ADRENAL GLANDS, blood supply/ *ANDROSTANES, blood/ ANDROSTENEDIOLS, blood/ ANDROSTENEDIONE, blood/ CASE REPORT/ DEHYDROEPIANDROSTERONE, blood/ ESTRADIOL, blood/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ HYDROXYPREGNENOLONE, blood/ HYDROXYPROGESTERONES, blood/ *SEX HORMONES, blood/ STANOLONE, blood/ TESTOSTERONE, blood/ VEINS/ *17-HYDROXYCORTICOSTEROIDS, blood

1318. **Granone A, Faletti C, Macario-Gioia M:** La via iliaca per l'istituzione del pneumoretroperitoneo. Radiol Med (Torino) 64(5):523–30, May 78 **(Ita)**
ADOLESCENCE/ ADRENAL GLAND DISEASES, radiography/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ HYPERPLASIA/ ILIUM/ KIDNEY DISEASES, radiography/ KIDNEY NEOPLASMS, radiography/ MALE/ MIDDLE AGE/ OVARIAN CYSTS, radiography/ *RETROPNEUMOPERITONEUM, methods/ UTERINE NEOPLASMS, radiography

1319. **Grave KC, Brown T:** Carpal radiographs in orthodontic treatment. Am J Orthod 75(1):27–45, Jan 79
ADOLESCENCE/ *AGE DETERMINATION BY SKELETON/ *CARPAL BONES, radiography/ CASE REPORT/ CHILD/ GROWTH/ HUMAN/ MALE/ MALOCCLUSION, ANGLE CLASS II, physiopathology/ MALOCCLUSION, ANGLE CLASS II, therapy/ MAXILLOFACIAL DEVELOPMENT/ PUBERTY/ *TOOTH MOVEMENT, MINOR

1320. **Gravis CJ:** Cytochemical localization of cations in the testis of the Syrian hamster, utilizing potassium-pyroantimonate. Am J Anat 154(2):245–65, Feb 79
ANIMAL/ ANTIMONY, diagnostic use/ *CATIONS, analysis/ CELL NUCLEUS, metabolism/ GOLGI APPARATUS, metabolism/ HAMSTERS/ HISTOCYTOCHEMISTRY/ MALE/ MESOCRICETUS/ SERTOLI CELLS, metabolism/ SEX CHROMATIN, metabolism/ SPERMATIDS, metabolism/ SPERMATOCYTES, metabolism/ SPERMATOGONIA, metabolism/ *TESTIS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1321. **Gray RG:** Bilateral carpal tunnel syndrome and arthritis associated with Danazol administration [letter] Arthritis Rheum 21(4):493–4, May 78
ADULT/ *ARTHRITIS, chemically induced/ *CARPAL TUNNEL SYNDROME, chemically induced/ CASE REPORT/ DANAZOL, administration & dosage/ *DANAZOL, adverse effects/ DANAZOL, therapeutic use/ FEMALE/ HUMAN/ *PREGNADIENES, adverse effects

1322. **Gray RS, Clarke BF:** Primary autoimmune diabetes mellitus [letter] Br Med J 2(6153):1715, 16 Dec 78
ADULT/ *AUTOIMMUNE DISEASES/ DIABETES MELLITUS, complications/ *DIABETES MELLITUS, immunology/ FEMALE/ HUMAN/ MALE/ THYROID DISEASES, complications

1323. **Green H:** Cyclic AMP in relation to proliferation of the epidermal cell: a new view. Cell 15(3):801–11, Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ CELL DIFFERENTIATION, drug effects/ *CELL DIVISION/ CELL DIVISION, drug effects/ CELLS, CULTURED/ CHOLERA TOXIN, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ EPIDERMAL GROWTH FACTORS, pharmacodynamics/ *EPIDERMIS, cytology/ FIBROBLASTS, cytology/ ISOPROTERENOL, pharmacodynamics/ 1-METHYL-3-ISOBUTYLXANTHINE, pharmacodynamics

1324. **Greene LA, McGuire JC:** Induction of ornithine decarboxylase by nerve growth factor dissociated from effects on survival and neurite outgrowth. Nature 276(5684):191–4, 9 Nov 78
*CARBOXY-LYASES, biosynthesis/ CELL DIFFERENTIATION, drug effects/ CELL LINE/ CELL SURVIVAL, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME INDUCTION, drug effects/ NEOPLASMS, EXPERIMENTAL, enzymology/ NEOPLASMS, EXPERIMENTAL, pathology/ *NERVE GROWTH FACTOR, pharmacodynamics/ *ORNITHINE DECARBOXYLASE, biosynthesis/ PHEOCHROMOCYTOMA, enzymology/ PHEOCHROMOCYTOMA, pathology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1325. **Greene LS, Levine R, Gross MJ, et al:** Distinguishing between malignant and cirrhotic ascites by computerized step-wise discriminant functional analysis of its biochemistry. Am J Gastroenterol 70(5):448–54, Nov 78
ALBUMINS, metabolism/ ALKALINE PHOSPHATASE, metabolism/ *ASCITES, etiology/ ASCITES, metabolism/ ASCITIC FLUID, analysis/ ASPARTATE AMINOTRANSFERASE, metabolism/ BILIRUBIN, metabolism/ CALCIUM, metabolism/ CHOLESTEROL, metabolism/ COMPUTERS/ HUMAN/ LACTATE DEHYDROGENASE, metabolism/ *LIVER CIRRHOSIS, complications/ *LIVER NEOPLASMS, complications/ PROTEINS, metabolism

1326. **Greenwood AG, Barlow CE:** Thyroid function in dolphins: radioimmunoassay measurement of thyroid hormones. Br Vet J 135(1):96–102, Jan-Feb 79
ANIMAL/ *DOLPHINS, physiology/ HUMAN/ RADIOIMMUNOASSAY/ *THYROID GLAND, physiology/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood

1327. **Greep RO:** Reproductive endocrinology: concepts and perspectives, an overview. Recent Prog Horm Res 34:1–23, 1978 (56 ref.)
ANIMAL/ *ENDOCRINE GLANDS, physiology/ *ENDOCRINOLOGY, history/ FAMILY PLANNING/ FEMALE/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ HORMONES, physiology/ HUMAN/ MALE/ MODELS, BIOLOGICAL/ PREGNANCY/ *REPRODUCTION/ RESEARCH SUPPORT, economics/ RESEARCH, history/ REVIEW/ UNITED STATES

1328. **Grega DS:** The effects of monoamines on tarantula skeletal muscle. Comp Biochem Physiol [C] 61 C(2):337–40, 1978
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *AMINES, pharmacodynamics/ ANIMAL/ *ARACHNIDA, physiology/ EXTREMITIES/ FEMALE/ *MUSCLE CONTRACTION, drug effects/ MUSCLES, metabolism

1329. **Greger R, Lang F, Oberleithner H:** Evidence for a parathyroid hormone-independent influence of calcium on renal phosphate transport [proceedings] J Physiol (Lond) 284:62P, Nov 78
ANIMAL/ BIOLOGICAL TRANSPORT, drug effects/ CALCIUM, pharmacodynamics/ *CALCIUM, physiology/ *KIDNEY, metabolism/ *PARATHYROID HORMONE, physiology/ *PHOSPHATES, metabolism/ RATS

1330. **Gregl A, Schaal HJ, Wagner G, et al:** Pille und Mamma. Med Welt 30(4):120–3, 26 Jan 79 **(Ger)**
ANIMAL/ *BREAST, drug effects/ *CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ DOGS/ FEMALE/ HUMAN/ MAMMOGRAPHY

1331. **Grenier J, Serrou B, Suquet P, et al:** Comparaison de l'évolution des taux de la beta2-microglobuline et de l'antigène carcino-embryonnaire dans les cancers du sein et les mélanomes malins. Pathol Biol (Paris) 26(6):371–2, Sep 78 (Eng. Abstr.) **(Fre)**
*BETA GLOBULINS, analysis/ *BETA 2 MICROGLOBULIN, analysis/ BONE NEOPLASMS, blood/ BONE NEOPLASMS, immunology/ BREAST NEOPLASMS, blood/ *BREAST NEOPLASMS, immunology/ *CARCINOEMBRYONIC ANTIGEN, analysis/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ HUMAN/ MELANOMA, blood/ *MELANOMA, immunology/ NEOPLASM METASTASIS/ PROLACTIN, blood

1332. **Grennan DM, Palmer DG, Malthus RS, et al:** Iatrogenic

fluorosis. Aust NZ J Med 8(5):528–31, Oct 78
AGED/ CALCIUM, therapeutic use/ CASE REPORT/ DRUG THERAPY, COMBINATION/ FEMALE/ *FLUORIDES, adverse effects/ HUMAN/ IATROGENIC DISEASE/ OSTEOPOROSIS, drug therapy/ OSTEOSCLEROSIS, etiology/ OSTEOSCLEROSIS, radiography/ *SODIUM FLUORIDE, adverse effects/ SODIUM FLUORIDE, therapeutic use

1333. **Griffiths EC, White N, Jeffcoate SL:** Age-dependent changes in the inactivation of thyrotrophin releasing hormone by rat brain [proceedings] J Endocrinol 79(2):59P–60P, Nov 78
*AGING/ ANIMAL/ BRAIN, enzymology/ *BRAIN, metabolism/ RATS/ *THYROTROPIN RELEASING HORMONE, metabolism

1334. **Grill V, Cerasi E:** The metabolism of cyclic AMP and glucose in isolated islets from Acomys cahirinus. Diabetologia 16(1):47–50, Jan 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ FEMALE/ GLIBENCLAMIDE, pharmacodynamics/ GLUCAGON, pharmacodynamics/ *GLUCOSE, metabolism/ GLUCOSE, pharmacodynamics/ IN VITRO/ INSULIN, secretion/ ISLANDS OF LANGERHANS, drug effects/ *ISLANDS OF LANGERHANS, metabolism/ KINETICS/ MALE/ MICE

1335. **Grim CE, Weinberger MH, Henry DP, et al:** Biochemical correlates of the increase in blood pressure with age. Clin Sci Mol Med 55 Suppl 4:377s–379s, Dec 78
*AGING/ ALDOSTERONE, blood/ *BLOOD PRESSURE/ BODY WEIGHT/ CAUCASOID RACE/ FUROSEMIDE, pharmacodynamics/ HUMAN/ NEGROID RACE/ NOREPINEPHRINE, urine/ RENIN, blood/ SEX FACTORS/ SLEEP, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1336. **Grinblat J, Shohat B, Lewitus Z, et al:** Quantitative and functional assessment of peripheral T-lymphocytes in thyroid diseases. Acta Endocrinol (Copenh) 90(1):52–61, Jan 79
ADOLESCENCE/ ADULT/ AGED/ ANIMAL/ FEMALE/ *GOITER, EXOPHTHALMIC, immunology/ *GOITER, NODULAR, immunology/ GRAFT VS HOST REACTION/ HUMAN/ IMMUNITY, CELLULAR/ LEUKOCYTE COUNT/ MALE/ MIDDLE AGE/ RATS/ ROSETTE FORMATION/ *T-LYMPHOCYTES, immunology/ T-LYMPHOCYTES, transplantation/ *THYROID NEOPLASMS, immunology/ TRANSPLANTATION, HETEROLOGOUS

1337. **Grindle M, Farrow R:** Sterol content and enzyme defects of nystatin-resistant mutants of Neurospora crassa. Mol Gen Genet 165(3):305–8, 24 Oct 78
*DRUG RESISTANCE, MICROBIAL/ *ERGOSTEROL, metabolism/ MUTATION/ *NEUROSPORA CRASSA, genetics/ NEUROSPORA CRASSA, metabolism/ *NEUROSPORA, genetics/ *NYSTATIN, pharmacodynamics/ PHENOTYPE/ *STEROLS, metabolism

1338. **Griner LA:** Neoplasms in Tasmanian devils (Sarcophilus harrisii). JNCI 62(3):589–95, Mar 79
ANAL GLAND NEOPLASMS, pathology/ ANIMAL/ FEMALE/ HYPERPLASIA/ MALE/ MAMMAE/ *MARSUPIALIA/ NEOPLASMS, pathology/ *NEOPLASMS, veterinary/ NEOPLASMS, MULTIPLE PRIMARY, veterinary/ *PRECANCEROUS CONDITIONS, veterinary/ SEBACEOUS GLANDS/ SKIN NEOPLASMS, veterinary/ THYROID NEOPLASMS, veterinary

1339. **Gripenberg M, Miettinen A, Kurki P, et al:** Humoral immune stimulation and antiepithelial antibodies in Yersinia infection. Arthritis Rheum 21(8):904–8, Nov–Dec 78
ADOLESCENCE/ ADULT/ AGED/ ANTINUCLEAR FACTORS, analysis/ *AUTOANTIBODIES/ AUTOANTIBODIES, analysis/ CHILD/ CHILD, PRESCHOOL/ EPITHELIUM, immunology/ FEMALE/ HUMAN/ INFANT/ MALE/ MIDDLE AGE/ *MUSCLE, SMOOTH, immunology/ STREPTOCOCCAL INFECTIONS, immunology/ *THYROID GLAND, immunology/ *YERSINIA INFECTIONS, immunology

1340. **Grodzińska L, Dembińska-Kiec A, Kostka-Trąbka E, et al:** The influence of corticosteroids on prostaglandin release from various organs. Acta Biol Med Ger 37(5–6):891–3, 1976
ANIMAL/ CARRAGEENAN/ CATS/ *HYDROCORTISONE, pharmacodynamics/ MESENTERY, drug effects/ *MESENTERY, metabolism/ PLEURISY, chemically induced/ PLEURISY, metabolism/ *PROSTAGLANDINS, metabolism/ RABBITS/ SPLEEN, drug effects/ *SPLEEN, metabolism

1341. **Groll M:** Gonadotropic patterns in psychogenic amenorrhea. Int J Gynaecol Obstet 16(1):53–5, 1978
ADOLESCENCE/ ADULT/ *AMENORRHEA, blood/ ESTROGENS, deficiency/ FEMALE/ *FSH, blood/ HUMAN/ *LH, blood/ *PSYCHOPHYSIOLOGIC DISORDERS, blood/ RADIOIMMUNOASSAY/ STRESS, PSYCHOLOGICAL, complications

1342. **Grönroos M, Punnonen R, Liukko P:** Repeat laparotomy as a preclinical diagnostic and therapeutic method for treating ovarian carcinoma. Int J Gynaecol Obstet 16(3):190–3, 1978–79
FEMALE/ FINLAND/ FOLLOW-UP STUDIES/ HUMAN/ *LAPAROTOMY/ NEOPLASM METASTASIS/ OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, pathology/ *OVARIAN NEOPLASMS, surgery/ *OVARY, surgery

1343. **Gros C, Lafon-Cazal M, Dray F:** Présence de substances immunoréactivement apparentées aux enképhalines chez un insecte, Locusta migratoria. C R Acad Sci [D] (Paris) 287(6):647–50, 25 Sep 78 (Eng. Abstr.) **(Fre)**
ANIMAL/ CHROMATOGRAPHY, GEL/ *ENDORPHINS, analysis/ ENGLISH ABSTRACT/ *ENKEPHALINS, analysis/ ENKEPHALINS, immunology/ FEMALE/ *GRASSHOPPERS, analysis/ LEUCINE/ MALE/ METHIONINE/ MOLECULAR WEIGHT/ *NERVOUS SYSTEM, analysis/ RADIOIMMUNOASSAY/ TISSUE DISTRIBUTION

1344. **Gros C, Flecheux O, Dray F:** Dosage immuno-enzymatique des stéroïdes. Ann Biol Clin (Paris) 36(4):393–6, 1978 (Eng. Abstr.) **(Fre)**
ANTI-ANTIBODIES/ BETA-GALACTOSIDASES/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ ESTRONE, analysis/ GAMMA GLOBULINS/ HYDROCORTISONE, analysis/ *IMMUNOENZYME TECHNICS/ *PROGESTERONE, analysis/ *STEROIDS, analysis

1345. **Gross DS, Baker BL:** Developmental correlation between hypothalamic gonadotropin-releasing hormone and hypophysial luteinizing hormone. Am J Anat 154(1):1–10, Jan 79
ANIMAL/ CEREBRAL VENTRICLES, analysis/ HYPOTHALAMUS, cytology/ *HYPOTHALAMUS, embryology/ HYPOTHALAMUS, secretion/ *LH, secretion/ MEDIAN EMINENCE, analysis/ MICE/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, embryology/ PITUITARY GLAND, secretion/ *PITUITARY HORMONE RELEASING HORMONES, secretion/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1346. **(Gross F), Liddle GW:** An appreciation of Professor Franz Gross on the twentieth anniversary of the publication of his concept of the interrelationships between aldosterone and renin. Klin Wochenschr 56 Suppl 1:3–4, 1978
ALDOSTERONE, history/ *ALDOSTERONE, physiology/ ANGIOTENSIN II, chemical synthesis/ ANIMAL/ GERMANY/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ PHYSIOLOGY, history/ RENIN, history/ *RENIN, physiology

1347. **Gross MD, Borkin MH, Rupp S:** Unusual electromyographic findings in a patient with polymyalgia rheumatica. Arthritis Rheum 22(3):277–80, Mar 79
CASE REPORT/ CREATINE KINASE, blood/ ELECTROMYOGRAPHY/ FEMALE/ FRUCTOSEDIPHOSPHATE ALDOLASE, blood/ HUMAN/ MIDDLE AGE/ MUSCLES, pathology/ *MUSCLES, physiopathology/ POLYMYALGIA RHEUMATICA, complications/ POLYMYALGIA RHEUMATICA, pathology/ *POLYMYALGIA RHEUMATICA, physiopathology/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ TEMPORAL ARTERITIS, complications/ TEMPORAL ARTERITIS, pathology

1348. **Grosser KD:** Sofortmassnahmen bei akuter Lungenembolie. Verh Dtsch Ges Inn Med (84):334–48, 1978 **(Ger)**
ADOLESCENCE/ ADULT/ ANTIBIOTICS, therapeutic use/ BRONCHIAL SPASM, prevention & control/ DOPAMINE, therapeutic use/ FEMALE/ HEART ARREST, therapy/ *HEPARIN, therapeutic use/ HUMAN/ IMMOBILIZATION/ INTUBATION, INTRATRACHEAL/ MALE/ MIDDLE AGE/ ORCIPRENALINE, therapeutic use/ PNEUMONIA, prevention & control/ PULMONARY EMBOLISM, diagnosis/ PULMONARY EMBOLISM, surgery/ *PULMONARY EMBOLISM, therapy/ RESPIRATION, ARTIFICIAL/ RESUSCITATION/ SEROTONIN, metabolism

1349. **Grosso A, de Sousa RC:** Vasopressin-like effects of psychotropic drugs in amphibian epithelia. J Membr Biol 40 Spec No:305–21, 1978 (54 ref.)
AMITRIPTYLINE, pharmacodynamics/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ BLADDER, metabolism/ BUFO BUFO/ CALCIUM, metabolism/ COMPARATIVE STUDY/ EPITHELIUM, metabolism/ FROGS/ HARMALINE, pharmacodynamics/ IN VITRO/ *PSYCHOTROPIC DRUGS, pharmacodynamics/ REVIEW/ SKIN, metabolism/ *SODIUM, metabolism/ *VASOPRESSINS, pharmacodynamics/ *WATER, metabolism

1350. **Groth W, Vlaho M, Gross R:** Beeinflussung des experimentellen Atiocholanolonfiebers durch Prednisolon und therapeutische Anwendbarkeit bei der Leukapharese. Verh Dtsch Ges Inn Med (84):134–8, 1978 **(Ger)**
ETIOCHOLANOLONE/ FEVER, chemically induced/ *FEVER, drug therapy/ HUMAN/ *LEUKAPHERESIS, methods/ MALE/ *PREDNISOLONE, therapeutic use

1351. **Grower MF, Chandler D, Kramer G, et al:** Effects of local anesthesia on gingival cAMP levels. J Periodontol 50(1):38–42, Jan 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ *ANESTHESIA, DENTAL/ *ANESTHESIA, LOCAL/ ANIMAL/ *EPINEPHRINE, pharmacodynamics/ FIBROBLASTS, enzymology/ GINGIVA, drug effects/ *GINGIVA, enzymology/ LIDOCAINE/ MONKEYS/ RHESUS MONKEYS/ SODIUM CHLORIDE, pharmacodynamics/ TIME FACTORS

1352. **Grower MF, Chandler D:** Modulation of gingival cAMP levels by tissue inflammation. J Periodont Res 14(1):47–54, Jan 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ GINGIVA, enzymology/ *GINGIVA, metabolism/ GINGIVA, surgery/ GINGIVITIS, enzymology/ *GINGIVITIS, metabolism/ GINGIVITIS, surgery/ MONKEYS/ PHOSPHODIESTERASES, metabolism/ RHESUS MONKEYS

1353. **Grube D, Voigt KH, Weber E:** Pancreatic glucagon cells contain endorphin-like immunoreactivity. Histochemistry 59(1):75–9, 28 Dec 78
ANIMAL/ *ENDORPHINS, analysis/ FEMALE/ *GLUCAGON, analysis/ IMMUNOENZYME TECHNICS/ *ISLANDS OF LANGERHANS, analysis/ MALE/ RATS

1354. **Gruenberger W, Leodolter S, Spona J:** The 'LH/HCG test', a valuable aid in the diagnosis of tubal pregnancy. Gynecol Obstet Invest 9(2–3):150–5, 1978
FEMALE/ *GONADOTROPINS, CHORIONIC, blood/ HUMAN/ *LH, blood/ *PREGNANCY TESTS, IMMUNOLOGIC/ PREGNANCY/ *PREGNANCY, TUBAL, diagnosis/ RADIOIMMUNOASSAY

1355. **Grünberger W, Leodolter S, Parschalk O:** Schwangerschaftshypotension - der Einfluss von Mineralokortikoiden auf die fetale Ernährung. Geburtshilfe Frauenheilkd 38(12):1070–4, Dec 78 (Eng. Abstr.) **(Ger)**
ADULT/ *DESOXYCORTICOSTERONE, pharmacodynamics/ DESOXYCORTICOSTERONE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOTENSION, drug therapy/ LABOR, PREMATURE, prevention & control/ *MATERNAL-FETAL EXCHANGE, drug effects/ PLACENTA, blood supply/ *PREGNANCY COMPLICATIONS, CARDIOVASCULAR, drug therapy/ PREGNANCY

1356. **Gryglewski RJ:** A new circulatory hormone: prostacyclin. Bull Mem Acad R Med Belg 133(9):470–4, 21 Oct 78
BLOOD VESSELS, metabolism/ ENDOTHELIUM, metabolism/ HUMAN/ LUNG, metabolism/ *PROSTAGLANDINS X, biosynthesis/ PROSTAGLANDINS X, metabolism/ *PROSTAGLANDINS, biosynthesis

1357. **Gryglewski RJ, Nicolaou KC:** A triple test for screening biological activity of prostacyclin analogues. Experientia 34(10):1336–8, 15 Oct 78
BIOLOGICAL ASSAY/ BLOOD VESSELS/ DRUG SCREENING, methods/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ PLATELET AGGREGATION, drug effects/ *PROSTAGLANDINS X/ PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS/ PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, SYNTHETIC/ VASOMOTOR SYSTEM, drug effects

1358. **Gryglewski RJ, Dembinska-Kiec A, Korbut R:** A possible role of thromboxane A2 (TXA2) and prostacyclin (PGI2) in circulation. Acta Biol Med Ger 37(5–6):715–23, 1976
ADENYL CYCLASE, blood/ ANIMAL/ AORTA, drug effects/ AORTA, physiology/ AORTA, physiopathology/ ARACHIDONIC ACIDS, blood/ ATHEROSCLEROSIS, physiopathology/ *BLOOD CIRCULATION/ *BLOOD PLATELETS, physiology/ HEART, drug effects/ HEART, physiology/ HEART, physiopathology/ PLATELET AGGREGATION/ *PROSTAGLANDINS X, physiology/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, physiology/ RABBITS/ *THROMBOXANE A2, physiology/ *THROMBOXANES, physiology

1359. **Guccion JG, Thorgeirsson UP, Smith BH:** Malacoplakia of epididymis. Urology 12(6):713–6, Dec 78
AGED/ BACTERIA, ultrastructure/ CASE REPORT/ *EPIDIDYMIS, ultrastructure/ HUMAN/ LYSOSOMES, ultrastructure/ MACROPHAGES, ultrastructure/ MALACOPLAKIA, etiology/ MALACOPLAKIA, microbiology/ *MALACOPLAKIA, pathology/ MALE/ PHAGOCYTES, ultrastructure/ TESTICULAR DISEASES, etiology/ TESTICULAR DISEASES, microbiology/ TESTICULAR DISEASES, pathology

1360. **Gueorgiev T, Dokumov S, Valkov I, et al:** Un cas de tumeur virilisante à cellules de la granulosa. Ann Endocrinol (Paris) 39(4):313–7, Jul-Aug 78 (Eng. Abstr.) **(Fre)**
ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ *GRANULOSA CELL TUMOR, complications/ GRANULOSA CELL TUMOR, pathology/ HUMAN/ OVARIAN CYSTS, complications/ OVARIAN CYSTS, pathology/ *OVARIAN NEOPLASMS, complications/ OVARIAN NEOPLASMS, pathology/ *VIRILISM, etiology

1361. **Guidotti GG, Borghetti AF, Gazzola GC:** The regulation of amino acid transport in animal cells. Biochim Biophys Acta 515(4):329–66, 15 Dec 78 (430 ref.)
ADAPTATION, PHYSIOLOGICAL/ *AMINO ACIDS, metabolism/ ANDROGENS, pharmacodynamics/ ANIMAL/ BINDING SITES/ *BIOLOGICAL TRANSPORT, ACTIVE/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CALCITONIN, pharmacodynamics/ CATECHOLAMINES, pharmacodynamics/ CELL DIVISION/ CELL MEMBRANE, metabolism/ ESTROGENS, pharmacodynamics/ GLUCAGON, pharmacodynamics/ GLUCOCORTICOIDS, pharmacodynamics/ INSULIN, pharmacodynamics/ PARATHYROID HORMONE, pharmacodynamics/ PITUITARY HORMONES, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ REVIEW/ THYROID HORMONES, pharmacodynamics

1362. **Guignard JP:** Troubles de la concentration et de la dilution des urines. Rev Med Suisse Romande 98(11):611–22, Nov 78 **(Fre)**
DIABETES INSIPIDUS, urine/ DIURESIS/ HUMAN/ *KIDNEY CONCENTRATING ABILITY/ *KIDNEY DISEASES, physiopathology/

KIDNEY DISEASES, urine/ *POLYURIA/ POLYURIA, etiology/ *URINE

1363. **Guillemin R:** Beta-lipotropin and endorphins: implications of current knowledge. Hosp Pract 13(11):53-60, Nov 78
ANIMAL/ BRAIN, metabolism/ CORTICOSTERONE, blood/ CORTICOTROPIN, metabolism/ *ENDORPHINS, physiology/ ENDORPHINS, secretion/ GASTROINTESTINAL SYSTEM, metabolism/ HOMEOSTASIS/ HUMAN/ HYPOTHALAMUS, metabolism/ *LIPOTROPIN, metabolism/ MICE/ NEUROHUMORS, metabolism/ PITUITARY GLAND, metabolism/ RATS/ STRESS

1364. **Guillemin R:** The brain as an endocrine organ. Neurosci Res Program Bull 16 Suppl:1-25, Aug 78 (58 ref.)
ANIMAL/ BRAIN CHEMISTRY/ BRAIN, drug effects/ *BRAIN, physiology/ COMPARATIVE STUDY/ DIABETES MELLITUS, JUVENILE, drug therapy/ *ENDOCRINE GLANDS/ ENDORPHINS, isolation & purification/ ENDORPHINS, pharmacodynamics/ GASTROINTESTINAL SYSTEM, analysis/ GLUCAGON, secretion/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ HYPOTHALAMUS, analysis/ INSULIN, secretion/ LIPOTROPIN, analysis/ PEPTIDES, analysis/ PITUITARY GLAND, ANTERIOR, secretion/ RATS/ REVIEW/ SOMATOTROPIN RELEASE INHIBITING HORMONE, isolation & purification/ SOMATOTROPIN RELEASE INHIBITING HORMONE, pharmacodynamics/ SOMATOTROPIN RELEASE INHIBITING HORMONE, therapeutic use/ THYROTROPIN, isolation & purification/ THYROTROPIN, physiology/ THYROTROPIN, secretion

1365. **Guillet R, Michaelson SM:** Corticotropin responsiveness in the neonatal rat. Neuroendocrinology 27(3-4):119-25, 1978
ADRENAL CORTEX, secretion/ ANIMAL/ COMPARATIVE STUDY/ CORTICOSTERONE, secretion/ *CORTICOTROPIN RELEASING HORMONE, pharmacodynamics/ *CORTICOTROPIN, secretion/ ETHER, ETHYL/ PITUITARY GLAND, ANTERIOR, drug effects/ PITUITARY GLAND, ANTERIOR, secretion/ *PITUITARY-ADRENAL SYSTEM, growth & development/ RATS/ STRESS, chemically induced/ *STRESS, physiopathology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1366. **Guillon G, Roy C, Jard S:** A systematic study of effects of non-ionic detergens on solubilization and activity of pig kidney adenylate cyclase. Eur J Biochem 92(2):341-8, Dec 78
ADENOSINE TRIPHOSPHATE, pharmacodynamics/ *ADENYL CYCLASE, metabolism/ ANIMAL/ CELL MEMBRANE, enzymology/ *DETERGENTS, pharmacodynamics/ DIGITONIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *KIDNEY, enzymology/ OSMOLAR CONCENTRATION/ SOLUBILITY/ STRUCTURE-ACTIVITY RELATIONSHIP/ SWINE/ TEMPERATURE

1367. **Guin AK, Dutta PK, Datta SC, et al:** Effect of different antiestrogen on glycogen breakdown of cycling rat uterus during estrous & proestrous phases. Indian J Biochem Biophys 15(4):319-22, Aug 78
ANIMAL/ DELAYED-ACTION PREPARATIONS/ *ESTROGEN ANTAGONISTS, pharmacodynamics/ *ESTRUS/ FEMALE/ *GLYCOGEN, metabolism/ MEDROXYPROGESTERONE, analogs & derivatives/ MEDROXYPROGESTERONE, pharmacodynamics/ NORETHINDRONE, pharmacodynamics/ *OVULATION, drug effects/ RATS/ *UTERUS, metabolism

1368. **Gumerman LW, Fogel SR, Goodman MA, et al:** Experimental fracture healing: evaluation using radionuclide bone imaging: concise communication. J Nucl Med 19(12):1320-3, Dec 78
ANIMAL/ *BONE AND BONES, radionuclide imaging/ DIPHOSPHONATES, diagnostic use/ FRACTURES, physiopathology/ *FRACTURES, radionuclide imaging/ FRACTURES, UNUNITED, radionuclide imaging/ IMMOBILIZATION/ RABBITS/ TECHNETIUM, diagnostic use/ TIBIAL FRACTURES, radionuclide imaging/ WOUND HEALING

1369. **Gunasegaram R, Peh KL, Chew PC, et al:** In vitro C-20, 22 desmolase regulation of pregnenolone supply in first trimester human placenta. Acta Endocrinol (Copenh) 90(1):185-92, Jan 79
CAPROATES, biosynthesis/ CAPROATES, isolation & purification/ CHOLESTEROL, metabolism/ CRYSTALLIZATION/ *DESMOLASES, metabolism/ FEMALE/ HUMAN/ *LYASES, metabolism/ *PLACENTA, metabolism/ PREGNANCY TRIMESTER, FIRST/ PREGNANCY/ *PREGNENOLONE, metabolism

1370. **Gundersen T:** Mb. Addisonii og graviditet. Tidsskr Nor Laegeforen 99(2):87-8, 20 Jan 79 (Eng. Abstr.) (Nor)
*ADDISON'S DISEASE, drug therapy/ ADOLESCENCE/ CORTISONE, administration & dosage/ *CORTISONE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ FLUDROCORTISONE, administration & dosage/ *FLUDROCORTISONE, therapeutic use/ HUMAN/ *PREGNANCY COMPLICATIONS, drug therapy/ PREGNANCY

1371. **Günther HM, Sitzmann F:** Das Gottron-Syndrom unter zahnärztlicher Sicht--ein Fallbericht. Dtsch Zahnaerztl Z 33(12):873-5, Dec 78 (Eng. Abstr.) (Ger)
ABNORMALITIES, MULTIPLE/ CASE REPORT/ CHILD/ *CRANIOFACIAL DYSOSTOSIS, complications/ ENGLISH ABSTRACT/ HUMAN/ *HYPERTELORISM, complications/ MALE/ MALOCCLUSION, complications/ OSSIFICATION, PHYSIOLOGIC/ *PROGERIA, familial & genetic/ SYNDROME/ TELANGIECTASIS, complications/ TOOTH, DECIDUOUS

1372. **Gupta RS, Siminovitch L:** Genetic and biochemical studies with the adenosine analogs toyocamycin and tubercidin: mutation at the adenosine kinase locus in Chinese hamster cells. Somatic Cell Genet 4(6):715-35, Nov 78
*ADENOSINE KINASE, genetics/ ANIMAL/ *ANTIBIOTICS, ANTINEOPLASTIC, pharmacodynamics/ CELL LINE/ CRICETULUS/ *DRUG RESISTANCE/ FEMALE/ HAMSTERS/ *MUTATION/ OVARY/ PHENOTYPE/ *PHOSPHOTRANSFERASES, ATP, genetics/ *RIBONUCLEOSIDES, pharmacodynamics/ *TOYOCAMYCIN, pharmacodynamics/ *TUBERCIDIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1373. **Guraya SS, Uppal J:** Morphological and histochemical studies on the foetal and postnatal ovaries of the field rat (Millardia meltada). Acta Morphol Neerl Scand 16(4):287-304, Nov 78
ANIMAL/ FEMALE/ GERM CELLS/ *GRAAFIAN FOLLICLE, embryology/ GRAAFIAN FOLLICLE, metabolism/ GRANULOSA CELLS, metabolism/ LIPIDS, metabolism/ *OVARY, embryology/ OVARY, growth & development/ OVARY, metabolism/ RATS/ THECA CELLS, metabolism/ ZONA PELLUCIDA, ultrastructure

1374. **Gutensohn W:** Human placental 5'-nucleotidase and alkaline phosphatase. Receptors for concanavalin A and Lens culinaris lectin. Hoppe Seylers Z Physiol Chem 359(11):1599-602, Nov 78
ALKALINE PHOSPHATASE, isolation & purification/ *ALKALINE PHOSPHATASE, metabolism/ *CONCANAVALIN A/ CONCANAVALIN A, pharmacodynamics/ FEMALE/ HUMAN/ KINETICS/ *LECTINS/ LECTINS, pharmacodynamics/ NUCLEOTIDASES, isolation & purification/ *NUCLEOTIDASES, metabolism/ *PLACENTA, enzymology/ PREGNANCY

1375. **Guthrie D:** The use of cytotoxic chemotherapy in conjunction with gynaecological surgery. Clin Obstet Gynaecol 5(3):709-27, Dec 78 (22 ref.)
ADULT/ *ANTINEOPLASTIC AGENTS, administration & dosage/ CASE REPORT/ CERVIX NEOPLASMS, drug therapy/ CYCLOPHOSPHAMIDE, administration & dosage/ DOXORUBICIN, administration & dosage/ DRUG THERAPY, COMBINATION/ FEMALE/ GENITAL NEOPLASMS, FEMALE, drug therapy/ GENITAL NEOPLASMS, FEMALE, surgery/ *GENITAL NEOPLASMS, FEMALE, therapy/ GESTONORONE CAPROATE, administration & dosage/ HUMAN/ METHOTREXATE, administration & dosage/ MIDDLE AGE/ OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, mortality/

OVARIAN NEOPLASMS, surgery/ REVIEW/ UTERINE NEOPLASMS, drug therapy/ VULVAR NEOPLASMS, drug therapy

1376. **Gutiérrez Cantó MA, Ruíz Jiménez JI, Nortes Cano L:** Tumoraciones gonadales en la infancia. An Esp Pediatr 11(12):893-8, Dec 78 (Eng. Abstr.) **(Spa)**
*CALCINOSIS, pathology/ CASE REPORT/ CHILD/ CYSTS, pathology/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ *GRANULOSA CELL TUMOR, pathology/ HUMAN/ INFANT/ *LEYDIG CELL TUMOR, pathology/ MALE/ OVARIAN DISEASES, pathology/ *OVARIAN NEOPLASMS, pathology/ *TESTICULAR NEOPLASMS, pathology

1377. **Gutmann NS, Rae PA, Schimmer BP:** Altered cyclic AMP-dependent protein kinase activity in a mutant adrenocortical tumor cell line. J Cell Physiol 97(3 Pt 2 Suppl 1):451-60, Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADRENAL CORTEX NEOPLASMS, metabolism/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CLONE CELLS, metabolism/ *CORTICOTROPIN, metabolism/ MUTATION/ NEOPLASMS, EXPERIMENTAL, metabolism/ *PROTEIN KINASE, metabolism

1378. **Gutte B:** Effect of various nucleotides on folding and enzymic properties of a synthetic 63-residue analog of ribonuclease A and natural ribonuclease A. Eur J Biochem 92(2):403-10, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ COMPARATIVE STUDY/ CYTIDINE MONOPHOSPHATE, pharmacodynamics/ KINETICS/ *NUCLEOTIDES, pharmacodynamics/ NUCLEOTIDES, CYCLIC, pharmacodynamics/ POLY C, metabolism/ POLY U, metabolism/ PROTEIN CONFORMATION/ RIBONUCLEASE, chemical synthesis/ *RIBONUCLEASE, metabolism/ URACIL NUCLEOTIDES, pharmacodynamics/ URIDINE MONOPHOSPHATE, pharmacodynamics

1379. **Guyther JR:** The physician's role in radiation protection. Am Fam Physician 18(6):103-6, Dec 78
ADULT/ FEMALE/ HUMAN/ MALE/ MAMMOGRAPHY/ MIDDLE AGE/ OVARY/ *PHYSICIANS/ PREGNANCY/ *RADIATION PROTECTION/ RADIOGRAPHY, instrumentation/ TESTIS

1380. **Guzek JW, Kuropatwa Z, Lewgowd T:** The neurohypophysial vasopressin content as influenced by modified cholinergic or adrenergic transmission during long-term dehydration in the white rat. Endokrinologie 72(2):195-204, May 78
AMPHETAMINE, pharmacodynamics/ ANIMAL/ ATROPINE, pharmacodynamics/ CARBACHOL, pharmacodynamics/ *DEHYDRATION, physiopathology/ MALE/ NEURAL TRANSMISSION, drug effects/ PHENOXYBENZAMINE, pharmacodynamics/ PITUITARY GLAND, POSTERIOR, drug effects/ *PITUITARY GLAND, POSTERIOR, physiopathology/ RATS/ *VASOPRESSINS, metabolism

1381. **Guzmán V, Toscano G, Canales ES, et al:** Improvement of defective lactation by using oral metoclopramide. Acta Obstet Gynecol Scand 58(1):53-5, 1979
ADMINISTRATION, ORAL/ CLINICAL RESEARCH/ DRUG EVALUATION/ FEMALE/ HUMAN/ *LACTATION DISORDERS, drug therapy/ METOCLOPRAMIDE, administration & dosage/ *METOCLOPRAMIDE, therapeutic use/ PLACEBOS/ PREGNANCY/ PROLACTIN, blood

1382. **Gyarmati J, Gyarmati J Jr, Barabanova I, et al:** On the clinical significance of the Singh-index. Radiol Diagn (Berl) 19(5):584-90, Oct 78
ADOLESCENCE/ ADULT/ AGED/ AGING/ FEMALE/ *FEMUR, radiography/ HUMAN/ MALE/ MIDDLE AGE/ NORMAL VALUES/ *OSTEOPOROSIS, radiography/ SEX FACTORS

H

1383. **Haack D, Engel R, Vecsei P:** The effect of chronic ACTH treatment on blood pressure and urinary excretion of steroids in the rat. Klin Wochenschr 56 Suppl 1:183-6, 1978
*ADRENAL CORTEX HORMONES, urine/ ALDOSTERONE, analogs & derivatives/ ALDOSTERONE, urine/ ANIMAL/ *BLOOD PRESSURE, drug effects/ BODY WEIGHT, drug effects/ CORTICOSTERONE, urine/ CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, pharmacodynamics/ MALE/ RATS/ WATER, metabolism/ 18-HYDROXYCORTICOSTERONE, urine/ 18-HYDROXYDESOXYCORTICOSTERONE, urine

1384. **Haas HG:** Juvenile Osteoporose. Dtsch Med Wochenschr 104(2):46, 12 Jan 79 **(Ger)**
ADOLESCENCE/ ADULT/ AGE FACTORS/ HUMAN/ MALE/ *OSTEOPOROSIS, drug therapy/ SODIUM FLUORIDE, therapeutic use

1385. **Habercom MS, Cheung HC:** Ligand binding to sarcoplasmic reticulum. The effects of Ca2+, Mg2+, and ATP binding on the fluorescence of membrane-bound pyrene. Arch Biochem Biophys 191(2):756-63, Dec 78
*ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ INTRACELLULAR MEMBRANES, drug effects/ INTRACELLULAR MEMBRANES, metabolism/ KINETICS/ LIGANDS/ *MAGNESIUM, metabolism/ MAGNESIUM, pharmacodynamics/ *PYRENES, metabolism/ RABBITS/ *SARCOPLASMIC RETICULUM, metabolism/ SPECTROMETRY, FLUORESCENCE/ TEMPERATURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1386. **Haberman MA, Michael RP:** Autocastration in transsexualism. Am J Psychiatry 136(3):347-8, Mar 79
ADULT/ ATTITUDE/ CASE REPORT/ *CASTRATION/ HUMAN/ MALE/ *SELF MUTILATION/ *TRANSSEXUALISM, psychology

1387. **Hackenthal E, Schwertschlag U, Hackenthal R:** The influence of vinblastine and colchicine on renin secretion in vivo and in vitro. Klin Wochenschr 56 Suppl 1:61-6, 1978
ANGIOTENSINOGEN, blood/ ANIMAL/ CALCIUM, metabolism/ *COLCHICINE, pharmacodynamics/ DIET, SALT-FREE/ IN VITRO/ *JUXTAGLOMERULAR APPARATUS, physiology/ *KIDNEY, secretion/ MALE/ MICROTUBULES, physiology/ PERFUSION/ RATS/ *RENIN, secretion/ SODIUM CHLORIDE, metabolism/ *VINBLASTINE, pharmacodynamics

1388. **Hadžiselimovic F, Kruslin E:** The role of the epididymis in descensus testis and the topographical relationship between the testis and epididymis from the sixth month of pregnancy until immediately after birth. Anat Embryol (Berl) 155(2):191-6, 30 Jan 79
EPIDIDYMIS, anatomy & histology/ *EPIDIDYMIS, embryology/ HUMAN/ MALE/ TESTIS, anatomy & histology/ *TESTIS, embryology/ TIME FACTORS/ VAS DEFERENS, embryology

1389. **Haggard MP:** Menstrual fluctuations in hearing--suggestions for hormone or drug monitoring methods in man [proceedings] Br J Clin Pharmacol 6(5):469P, Nov 78
*HEARING/ HEARING, drug effects/ HORMONES, pharmacodynamics/ HUMAN/ *MENSTRUATION

1390. **Haguenauer JP, Gaillard J, Dubreuil C, et al:** Cinq observations de localisations métastatiques intra-thyroïdiennes. J Fr Otorhinolaryngol 27(9):597-605, Nov 78 **(Fre)**
AGED/ CASE REPORT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *THYROID NEOPLASMS/ THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, pathology

1391. **Hájek M, Trčka V, Vaněček M, et al:** A model of experimental endotoxin shock in monkeys and its therapeutic control. Z Exp Chir 11(5):317-21, 1978
ANIMAL/ BLOOD PRESSURE, drug effects/ DEXTRANS, therapeutic use/ DISEASE MODELS, ANIMAL/ DOPAMINE, therapeutic use/ ENDOTOXINS/ ESCHERICHIA COLI, immunology/ FEMALE/ HYDROCORTISONE, therapeutic use/ MALE/ MONKEYS/ RHESUS MONKEYS/ *SHOCK, SEPTIC, therapy

1392. **Halberg F, Haus E, Scheving LE:** Sampling of biologic rhythms, chronocytokinetics and experimental oncology. pp. 175-90.

In: Valleron AJ, Macdonald PD, ed. Biomathematics and

cell kinetics. Amsterdam, Elsevir/North-Holland, 1978. W1 DE997VN v.2 1978. (98 ref.)
ANIMAL/ *CARCINOGENS/ *CELL CYCLE/ CIRCADIAN RHYTHM/ HUMAN/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ MAMMARY NEOPLASMS, EXPERIMENTAL, physiopathology/ MITOSIS/ MONOGRAPH/ *NEOPLASMS, physiopathology/ *PERIODICITY/ PITUITARY GLAND, transplantation/ *RECEPTORS, DRUG, physiology/ RECEPTORS, ESTROGEN, physiology/ REVIEW/ TRANSPLANTATION, ISOGENEIC/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 9,10-DIMETHYL-1,2-BENZANTHRACENE

1393. **Halbreich U, Segal S, Chowers I:** Day-to-day variations in serum levels of follicle-stimulating hormone and luteinizing hormone in homosexual males. Biol Psychiatry 13(5):541-9, Oct 78
*FSH, blood/ *HOMOSEXUALITY/ HUMAN/ HYPOTHALAMUS, physiopathology/ *LH, blood/ MALE/ OVARY, physiopathology/ *PERIODICITY/ PITUITARY GLAND, physiopathology/ TESTOSTERONE, blood

1394. **Hall AK, Robinson J:** Are microtubules involved in luteolysis? [proceedings] J Endocrinol 79(2):42P-43P, Nov 78
ANIMAL/ COLCHICINE, pharmacodynamics/ *CORPUS LUTEUM, physiology/ FEMALE/ IN VITRO/ MICROTUBULES, drug effects/ *MICROTUBULES, physiology/ PROGESTERONE, biosynthesis/ PROSTAGLANDINS, biosynthesis/ PSEUDOPREGNANCY/ RATS/ VINBLASTINE, pharmacodynamics

1395. **Hall B:** Uniformity of human milk. Am J Clin Nutr 32(2):304-12, Feb 79
BREAST, physiology/ DIETARY FATS/ DIURNAL RHYTHM/ *FATS, UNSATURATED, administration & dosage/ FATTY ACIDS, metabolism/ FEMALE/ HUMAN/ LACTATION/ LINOLEIC ACIDS, administration & dosage/ LINOLENIC ACIDS, administration & dosage/ *LIPIDS, metabolism/ MILK PROTEINS, metabolism/ *MILK, HUMAN, metabolism/ PREGNANCY/ TIME FACTORS

1396. **Hall C, Lim L:** The metabolism of high-molecular-weight ribonucleic acid in hypothalamic and cortical regions of the developing female rat brain. Biochem J 176(2):511-21, 15 Nov 78
ANIMAL/ CEREBRAL CORTEX, growth & development/ *CEREBRAL CORTEX, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ HYPOTHALAMUS, growth & development/ *HYPOTHALAMUS, metabolism/ MOLECULAR WEIGHT/ PHOSPHATES, metabolism/ POLY A/ RATS/ RNA, isolation & purification/ *RNA, metabolism/ SEX DIFFERENTIATION/ SUBCELLULAR FRACTIONS, metabolism

1397. **Hall PF, Watanuki M, Hamkalo BA:** Adrenocortical cytochrome P-450 side chain cleavage. Preparation of membrane-bound side chain cleavage system from purified components. J Biol Chem 254(2):547-52, 25 Jan 79
*ADRENAL CORTEX, enzymology/ ANIMAL/ ANTIGEN-ANTIBODY REACTIONS/ CATTLE/ *CHOLESTEROL DESMOLASE, metabolism/ *CYTOCHROME P-450, metabolism/ GLUCOSE, metabolism/ IMMUNE SERUMS/ *INTRACELLULAR MEMBRANES, enzymology/ INTRACELLULAR MEMBRANES, ultrastructure/ KINETICS/ MEMBRANE LIPIDS/ *MITOCHONDRIA, enzymology/ *OXIDOREDUCTASES, metabolism/ PHOSPHOLIPIDS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1398. **Hall WD:** Clinical use of diuretics in congestive heart failure. Med Times 107(1):24-32, Jan 79
AMILORIDE, therapeutic use/ *DIURETICS, therapeutic use/ DIURETICS, THIAZIDE, therapeutic use/ ETHACRYNIC ACID, therapeutic use/ FEMALE/ FUROSEMIDE, therapeutic use/ *HEART FAILURE, CONGESTIVE, drug therapy/ HUMAN/ INFANT, NEWBORN/ PREGNANCY/ SPIRONOLACTONE, therapeutic use/ TRIAMTERENE, therapeutic use

1399. **Haller U:** Abortinduktion mit Prostaglandinen. Gynaekol Rundsch 18 Suppl 1:9-15, 1978 **(Ger)**
*ABORTION, INDUCED/ AMNION/ CERVIX UTERI/ FEMALE/ HUMAN/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, pharmacodynamics/ UTERINE CONTRACTION, drug effects/ UTERUS

1400. **Halliwell RE:** Autoimmune disease in the dog. Adv Vet Sci Comp Med 22:221-63, 1978
ANEMIA, HEMOLYTIC, AUTOIMMUNE, veterinary/ ANIMAL/ ARTHRITIS, RHEUMATOID, veterinary/ AUTOANTIBODIES, analysis/ AUTOIMMUNE DISEASES, immunology/ *AUTOIMMUNE DISEASES, veterinary/ COMPARATIVE STUDY/ COOMBS' TEST/ *DOG DISEASES/ DOG DISEASES, immunology/ DOGS/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GLOMERULONEPHRITIS, veterinary/ HUMAN/ LUPUS ERYTHEMATOSUS, SYSTEMIC, veterinary/ LE CELLS/ MALE/ MYASTHENIA GRAVIS, veterinary/ PEMPHIGUS, veterinary/ PLATELET FACTOR 3, analysis/ T-LYMPHOCYTES, immunology/ THROMBOPENIA, veterinary/ THYROIDITIS, LYMPHOMATOUS, veterinary

1401. **Halves E:** Space occupying growth of a pituitary adenoma producing hGH and hPrl during bromocriptin therapy. Clin Neurol Neurosurg 80(4):251-7, 1977
*ACROMEGALY, drug therapy/ *ADENOMA, EOSINOPHILIC, etiology/ ADENOMA, EOSINOPHILIC, secretion/ ADENOMA, EOSINOPHILIC, therapy/ CASE REPORT/ FEMALE/ HUMAN/ MIDDLE AGE/ PITUITARY IRRADIATION/ *PITUITARY NEOPLASMS, etiology/ PITUITARY NEOPLASMS, secretion/ PITUITARY NEOPLASMS, therapy/ PROLACTIN, secretion/ SOMATOTROPIN, secretion/ YTTRIUM RADIOISOTOPES, administration & dosage/ *2-BROMOERGOCRYPTINE, adverse effects

1402. **Hamada Y, Wright KH, Wallach EE:** In vitro reversal of indomethacin-blocked ovulation by prostaglandin F2alpha. Fertil Steril 30(6):702-6, Dec 78
ANIMAL/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ IN VITRO/ INDOMETHACIN, administration & dosage/ INDOMETHACIN, pharmacodynamics/ *OVULATION, drug effects/ PERFUSION/ PROSTAGLANDINS F, antagonists & inhibitors/ *PROSTAGLANDINS F, pharmacodynamics/ RABBITS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1403. **Hamann GO, Christensen NJ:** Total serum-østriol. Nogle kliniske data på danske gravide kvinder. Ugeskr Laeger 141(6):360-2, 5 Feb 79 (Eng. Abstr.) **(Dan)**
DENMARK/ ENGLISH ABSTRACT/ *ESTRIOL, blood/ FEMALE/ HUMAN/ NORMAL VALUES/ PLACENTAL LACTOGEN, blood/ *PREGNANCY

1404. **Hamburger JI:** Pitfalls in the laboratory diagnosis of atypical hyperthyroidism. Arch Intern Med 139(1):96-8, Jan 79
ADULT/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ IODINE RADIOISOTOPES, diagnostic use/ PREGNANCY/ PUERPERAL DISORDERS, diagnosis/ THYROID FUNCTION TESTS/ THYROIDITIS, diagnosis/ THYROTROPIN, diagnostic use

1405. **Hamed I, Lindeman RD, Czerwinski AW:** Case report: acute pancreatitis following corticosteroid and azathioprine therapy. Am J Med Sci 276(2):211-9, Sep-Oct 78
ACUTE DISEASE/ ADOLESCENCE/ *ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ *AZATHIOPRINE, adverse effects/ AZATHIOPRINE, therapeutic use/ CASE REPORT/ FEMALE/ GLOMERULONEPHRITIS, drug therapy/ HEMORRHAGE, etiology/ HUMAN/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ MALE/ MIDDLE AGE/ PANCREATIC CYST, etiology/ *PANCREATITIS, chemically induced/ PANCREATITIS, complications

1406. **Hamilton BP, Landsberg L, Levine RJ:** Measurement of urinary epinephrine in screening for pheochromocytoma in multiple endocrine neoplasia type II. Am J Med 65(6):1027-32, Dec 78
*ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, familial &

genetic/ ADRENAL GLAND NEOPLASMS, urine/ CASE REPORT/ *EPINEPHRINE, urine/ FEMALE/ HUMAN/ IN VITRO/ MALE/ NOREPINEPHRINE, urine/ PEDIGREE/ *PHEOCHROMOCYTOMA, diagnosis/ PHEOCHROMOCYTOMA, familial & genetic/ PHEOCHROMOCYTOMA, urine/ THYROID NEOPLASMS, familial & genetic/ THYROID NEOPLASMS, urine

1407. **Hamilton W, Hussein DM:** Growth hormone response to prostaglandin E2. Acta Paediatr Scand 68(2):251–6, Mar 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ADOLESCENCE/ BLOOD SUGAR, analysis/ BODY HEIGHT/ CHILD/ FEMALE/ FSH, blood/ GLUCOSE TOLERANCE TEST/ HUMAN/ INSULIN, diagnostic use/ LH, blood/ MALE/ PITUITARY GLAND, ANTERIOR, secretion/ *PROSTAGLANDINS E, diagnostic use/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion/ THYROTROPIN, blood

1408. **Hammer M:** Radioimmunoassay of 8-arginine-vasopressin (antidiuretic hormone) in human plasma.
Scand J Clin Lab Invest 38(8):707–16, Dec 78
ADULT/ AMINO ACID SEQUENCE/ *ARGIPRESSIN, blood/ BINDING SITES, ANTIBODY/ FEMALE/ HUMAN/ IMMUNE SERUMS/ MALE/ MIDDLE AGE/ OSMOLAR CONCENTRATION/ *RADIOIMMUNOASSAY, methods

1409. **Hammond GL, Leinonen P, Vihko R:** Discrete modular system for automation of radioimmunoassay of serum choriomammotropin. Clin Chem 25(1):129–31, Jan 79
ALCOHOL, ETHYL/ AUTOANALYSIS/ FEMALE/ HUMAN/ *PLACENTAL LACTOGEN, blood/ POLYETHYLENE GLYCOLS/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ RADIOIMMUNOASSAY, methods

1410. **Hamprecht B, Kürzinger K, Stadtkus C:** Energy-dependent extrusion of calcium from neuronal cells in culture [proceedings] J Physiol (Lond) 284:142P–143P, Nov 78
BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ CELL MEMBRANE, metabolism/ CELLS, CULTURED/ *NEURONS, metabolism

1411. **Han DW, Cho NH:** East Asia review, 1976–7: Korea (South). Stud Fam Plann 9(9):238–41, Sep 78
ABORTION, INDUCED/ ADULT/ BIRTH RATE/ BUDGETS/ CONTRACEPTION BEHAVIOR/ CONTRACEPTIVE DEVICES, supply & distribution/ CONTRACEPTIVES, ORAL, supply & distribution/ *FAMILY PLANNING/ FEMALE/ HUMAN/ KOREA/ MALE/ MIDDLE AGE/ *NATIONAL HEALTH PROGRAMS/ ORGANIZATION AND ADMINISTRATION/ PREGNANCY/ ROLE/ STERILIZATION, SEXUAL/ WOMEN

1412. **Hanaghan J, Dhupelia D, Finucane J:** Thyroid hormones in serum: effects of x-ray contrast media. Ir J Med Sci 148(1):12–4, Jan 79
ADULT/ CHOLECYSTOGRAPHY/ *CONTRAST MEDIA, pharmacodynamics/ DIATRIZOATE, pharmacodynamics/ FEMALE/ HUMAN/ *IOPANOIC ACID, pharmacodynamics/ MALE/ MIDDLE AGE/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood/ *TRIIODOTHYRONINE, REVERSE, blood/ UROGRAPHY

1413. **Hanau J, Franc B, Faivre J, et al:** Hydrocéphalie génétique liée au sexe étude anatomique. Rev Neurol (Paris) 134(6–7):437–42, Jun–Jul 78 (Eng. Abstr.) **(Fre)**
BRAIN, abnormalities/ *BRAIN, pathology/ CASE REPORT/ CEREBRAL AQUEDUCT, pathology/ CHILD/ ENGLISH ABSTRACT/ HUMAN/ HYDROCEPHALUS, familial & genetic/ *HYDROCEPHALUS, pathology/ MALE/ PEDIGREE/ SEX CHROMOSOMES/ SEX FACTORS

1414. **Hancock BW, Huck P, Ross B:** Avascular necrosis of the femoral head in patients receiving intermittent cytotoxic and corticosteroid therapy for Hodgkin's disease.
Postgrad Med J 54(634):545–6, Aug 78
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ *ANTINEOPLASTIC AGENTS, adverse effects/ CASE REPORT/ FEMALE/ *FEMUR HEAD NECROSIS, chemically induced/ FEMUR HEAD NECROSIS, complications/ HODGKIN'S DISEASE, complications/ *HODGKIN'S DISEASE, drug therapy/ HUMAN/ MALE

1415. **Hanew K, Aida M, Sasaki A, et al:** Abnormal growth hormone responses to CB-154 and thyrotropin-releasing hormone (TRH) in patients with acromegaly. Tohoku J Exp Med 127(1):53–62, Jan 79
*ACROMEGALY, blood/ ADOLESCENCE/ ADULT/ ARGININE, pharmacodynamics/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ MIDDLE AGE/ *SOMATOTROPIN, blood/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics/ *2-BROMOERGOCRYPTINE, pharmacodynamics

1416. **Hanifin JM:** Eczematous conditons in the elderly: common and curable. Geriatrics 34(1):29–38, Jan 79
AGED/ *DERMATITIS, diagnosis/ DERMATITIS, drug therapy/ DERMATITIS, CONTACT, diagnosis/ DERMATITIS, CONTACT, drug therapy/ DERMATITIS, CONTACT, etiology/ DIAGNOSIS, DIFFERENTIAL/ *ECZEMA, diagnosis/ ECZEMA, drug therapy/ ERYTHRODERMA, diagnosis/ HUMAN/ SEBORRHEA, drug therapy/ TRIAMCINOLONE ACETONIDE, therapeutic use

1417. **Hanko JH, Edvinsson L, Owman C:** Vasoactive peptidergic nerves in the brain. pp. 285–93.
In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977. (31 ref.)
ANGIOTENSIN II, metabolism/ ANGIOTENSIN II, physiology/ ANIMAL/ BRAIN, blood supply/ *BRAIN, metabolism/ CATS/ CATTLE/ ENKEPHALINS, metabolism/ ENKEPHALINS, physiology/ HUMAN/ IN VITRO/ MONOGRAPH/ NEUROTENSIN, metabolism/ NEUROTENSIN, physiology/ *PEPTIDES, metabolism/ RABBITS/ RATS/ REVIEW/ SUBSTANCE P, metabolism/ SUBSTANCE P, physiology/ VASOACTIVE INTESTINAL PEPTIDE, metabolism/ VASOACTIVE INTESTINAL PEPTIDE, physiology/ *VASODILATION

1418. **Hanley DA, Sherwood LM:** Secondary hyperparathyroidism in chronic renal failure. Pathophysiology and treatment. Med Clin North Am 62(6):1319–39, Nov 78 (115 ref.)
BONE AND BONES, metabolism/ BRAIN DISEASES, METABOLIC, etiology/ CALCINOSIS, etiology/ CALCIUM, DIETARY, therapeutic use/ HUMAN/ HYPERCALCEMIA, complications/ HYPERPARATHYROIDISM, physiopathology/ HYPERPARATHYROIDISM, therapy/ *HYPERPARATHYROIDISM, SECONDARY, therapy/ HYPERTROPHY/ *KIDNEY FAILURE, CHRONIC, complications/ KIDNEY FAILURE, CHRONIC, metabolism/ KIDNEY, metabolism/ PARATHYROID GLANDS, metabolism/ PARATHYROID GLANDS, pathology/ PARATHYROID GLANDS, surgery/ PARATHYROID HORMONE, physiology/ RENAL OSTEODYSTROPHY, etiology/ REVIEW/ VITAMIN D, therapeutic use

1419. **Hano J, Przewlocki R, Smialowska M, et al:** The effect of electric stimulation of caudate nucleus and nucleus accumbens septi on serotonergic neurons in the rat brain. Pol J Pharmacol Pharm 30(4):475–81, Jul–Aug 78
ANIMAL/ BEHAVIOR, ANIMAL, physiology/ BRAIN CHEMISTRY/ *CAUDATE NUCLEUS, physiology/ DOPA, metabolism/ ELECTRIC STIMULATION/ HYDROXYTRYPTOPHAN, metabolism/ MALE/ *NEURONS, physiology/ *NUCLEUS ACCUMBENS, physiology/ RAPHE NUCLEI, metabolism/ RATS/ *SEPTAL NUCLEI, physiology/ SEROTONIN, metabolism/ *SEROTONIN, physiology

1420. **Hanocq M, Helson-Cambier M:** Microdosage des ions fluorures dans un os humain. Clin Chim Acta 91(2):177–81, 15 Jan 79 (Eng. Abstr.) **(Fre)**
*BONE AND BONES, analysis/ ENGLISH ABSTRACT/ *FLUORIDES, analysis/ HUMAN/ METHODS/ SPECTROPHOTOMETRY

1421. **Hanoune J:** Le système adénylate cyclasique sensible à l'adrénaline. Arch Int Physiol Biochim 86(4):837–8, Oct 78 **(Fre)**

*ADENYL CYCLASE, metabolism/ ANIMAL/ MEMBRANE PROTEINS, metabolism/ *RECEPTORS, ADRENERGIC, metabolism

1422. **Hanscom T, Maxwell A:** Corynebacterium endophthalmitis. Laboratory studies and report of a case treated by vitrectomy. Arch Ophthalmol 97(3):500–2, Mar 79
ADULT/ CASE REPORT/ *CORYNEBACTERIUM INFECTIONS, complications/ CORYNEBACTERIUM INFECTIONS, drug therapy/ CORYNEBACTERIUM INFECTIONS, surgery/ CORYNEBACTERIUM, isolation & purification/ DEXAMETHASONE, therapeutic use/ *EYE FOREIGN BODIES, complications/ EYE FOREIGN BODIES, surgery/ GENTAMICINS, therapeutic use/ HUMAN/ MALE/ METHICILLIN, therapeutic use/ OPHTHALMIA, drug therapy/ *OPHTHALMIA, microbiology/ OPHTHALMIA, surgery

1423. **Hansen HG, Graucob E:** Langzeitzweitremission bei Paraleukoblastenleukose im Kindersalter. Klin Paediatr 191(1):96–101, Jan 79 (Eng. Abstr.) **(Ger)**
ACUTE DISEASE/ ADOLESCENCE/ ADULT/ BLOOD TRANSFUSION/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ HUMAN/ *LEUKEMIA, diagnosis/ LEUKEMIA, drug therapy/ MALE/ MERCAPTOPURINE, therapeutic use/ METHOTREXATE, therapeutic use/ PREDNISONE, therapeutic use/ REMISSION/ SPLENOMEGALY, complications/ TESTICULAR NEOPLASMS, drug therapy

1424. **Hanson GR, Partlow LM:** Stimulation of non-neuronal cell proliferation in vitro by mitogenic factors present in highly purified sympathetic neurons. Brain Res 159(1):195–210, 22 Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ AUTORADIOGRAPHY/ CELL NUMBER, drug effects/ CHICK EMBRYO/ *GANGLIA, AUTONOMIC/ *MITOSIS, drug effects/ *NERVE TISSUE PROTEINS, pharmacodynamics/ NEUROGLIA, drug effects/ NEURONS/ NOREPINEPHRINE, pharmacodynamics/ SCHWANN CELLS, drug effects/ THYMIDINE, metabolism/ TISSUE CULTURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1425. **Hanssen KF, Christensen SE, Hansen AP, et al:** Plasma prolactin in juvenile diabetics. 24–h studies with somatostatin. Diabetologia 15(5):369–71, Nov 78
ADULT/ *DIABETES MELLITUS, JUVENILE, blood/ DIURNAL RHYTHM/ HUMAN/ MALE/ *PROLACTIN, blood/ SOMATOTROPIN RELEASE INHIBITING HORMONE, pharmacodynamics

1426. **Happ J, Hartmann U, Weber T, et al:** Gonadotropin and testosterone secretion in normal human males after stimulation with gonadotropin-releasing hormone (GnRH) or potent GnRH analogs using different modes of application. Fertil Steril 30(6):666–73, Dec 78
ADMINISTRATION, INTRANASAL/ ADULT/ COMPARATIVE STUDY/ *FSH, blood/ *HORMONES, SYNTHETIC, pharmacodynamics/ HUMAN/ INFUSIONS, PARENTERAL/ INJECTIONS, INTRAVENOUS/ *LH, blood/ *LH-FSH RELEASING HORMONE, analogs & derivatives/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ PITUITARY HORMONE RELEASING HORMONES, administration & dosage/ *TESTOSTERONE, blood/ TIME FACTORS

1427. **Happ J, Scholz P, Weber T, et al:** Gonadotropin secretion in eugonadotropic human males and postmenopausal females under long-term application of a potent analog of gonadotropin-releasing hormone. Fertil Steril 30(6):674–8, Dec 78
ADMINISTRATION, INTRANASAL/ ADULT/ FEMALE/ *FSH, blood/ HUMAN/ INJECTIONS, SUBCUTANEOUS/ *LH, blood/ *LH-FSH RELEASING HORMONE, analogs & derivatives/ LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ MENOPAUSE/ PITUITARY HORMONE RELEASING HORMONES, administration & dosage/ *TESTOSTERONE, blood/ TIME FACTORS

1428. **Happle R:** Fortschritte in der dermatologischen Lokaltherapie. MMW 121(4):141–4, 26 Jan 79 (Eng. Abstr.) **(Ger)**
ACNE, drug therapy/ ADMINISTRATION, TOPICAL/ ALOPECIA, drug therapy/ BENZOYL PEROXIDE, therapeutic use/ DINITROCHLOROBENZENE, therapeutic use/ ENGLISH ABSTRACT/ FLUOCORTOLONE, analogs & derivatives/ FLUOCORTOLONE, therapeutic use/ FLUOROURACIL, therapeutic use/ HUMAN/ HYDROQUINONES, therapeutic use/ PIGMENTATION DISORDERS, drug therapy/ PRECANCEROUS CONDITIONS, drug therapy/ *SKIN DISEASES, drug therapy/ TRETINOIN, therapeutic use

1429. **Hara A, Matsunaga M, Yamamoto J, et al:** Cryoactivation of plasma renin. Clin Sci Mol Med 55 Suppl 4:139s–141s, Dec 78
ANIMAL/ *COLD/ ENZYME ACTIVATION, drug effects/ ENZYME INHIBITORS, pharmacodynamics/ FEMALE/ PROTEASE INHIBITORS, pharmacodynamics/ RATS/ *RENIN, blood/ SHOCK, HEMORRHAGIC, blood/ SHOCK, HEMORRHAGIC, enzymology/ TRYPSIN, metabolism

1430. **Harati Y, Patten BM:** Prednisone use in concurrent autoimmune diseases. Arch Neurol 36(2):103–6, Feb 79
ADULT/ ALANINE AMINOTRANSFERASE, blood/ ASPARTATE AMINOTRANSFERASE, blood/ *AUTOIMMUNE DISEASES, drug therapy/ CASE REPORT/ CREATINE KINASE, blood/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, drug therapy/ HYPERTHYROIDISM, enzymology/ LACTATE DEHYDROGENASE, blood/ *MYASTHENIA GRAVIS, drug therapy/ MYASTHENIA GRAVIS, enzymology/ *MYOSITIS, drug therapy/ MYOSITIS, enzymology/ *PREDNISONE, therapeutic use/ PYRIDOSTIGMINE BROMIDE, therapeutic use/ THYMECTOMY/ THYROID FUNCTION TESTS

1431. **Harcourt-Brown NH:** Avian anaesthesia in general practice. J Small Anim Pract 19(10):573–82, Oct 78
ALTHESIN/ *ANESTHESIA, GENERAL, veterinary/ ANESTHESIA, INHALATION, veterinary/ ANIMAL/ *BIRDS/ HALOTHANE

1432. **Hardie DG, Cohen P:** Purification and physicochemical properties of fatty acid synthetase and acetyl-CoA carboxylase from lactating rabbit mammary gland. Eur J Biochem 92(1):25–34, 1 Dec 78
*ACETYL COA CARBOXYLASE/ ACETYL COA CARBOXYLASE, isolation & purification/ AMINO ACIDS, analysis/ ANIMAL/ *FATTY ACID SYNTHETASE COMPLEX/ FATTY ACID SYNTHETASE COMPLEX, isolation & purification/ FEMALE/ LACTATION/ *LIGASES/ LIGASES, isolation & purification/ MACROMOLECULAR SYSTEMS/ *MAMMAE, enzymology/ MOLECULAR WEIGHT/ ORGANOPHOSPHORUS COMPOUNDS, analysis/ PREGNANCY/ RABBITS

1433. **Harding CF, Follett BK:** Hormone changes triggered by aggression in a natural population of blackbirds. Science 203(4383):918–20, 2 Mar 79
*AGGRESSION, physiology/ ANIMAL/ ANIMALS, WILD/ *BIRDS, physiology/ CORTICOSTERONE, blood/ *HORMONES, blood/ LH, blood/ MALE/ STANOLONE, blood/ TESTOSTERONE, blood

1434. **Hardisty CA, Munro DS:** Advances in endocrinology. Practitioner 221(1324):499–503, Oct 78
CALCITONIN, secretion/ CORTICOTROPIN, secretion/ CUSHING'S SYNDROME, therapy/ *ENDOCRINE DISEASES/ ENDOCRINE DISEASES, physiopathology/ ENDOCRINE DISEASES, therapy/ FEMALE/ HUMAN/ HYPERTHYROIDISM, diagnosis/ HYPOTHALAMUS, physiology/ PARATHYROID HORMONE, secretion/ PITUITARY GLAND, physiology/ PREGNANCY/ PROLACTIN, secretion/ THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, secretion/ 2-BROMOERGOCRYPTINE, therapeutic use

1435. **Hardisty RM:** Anti-platelet drugs: rationale for use. Bibl Haematol 44:181–7, 1977 (17 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE DIPHOSPHATE, metabolism/ *BLOOD PLATELETS, drug effects/ CORONARY DISEASE, blood/ HEART VALVE PROSTHESIS/ HUMAN/ PLATELET ADHESIVENESS, drug effects/ PLATELET

AGGREGATION/ PROSTAGLANDINS, biosynthesis/ REVIEW/ THROMBOEMBOLISM, blood/ THROMBOPHLEBITIS, blood

1436. **Hardy J, Townsend PR, Cerundolo DG:** Forces applied by nasal speculums during transsphenoidal operations. Surg Neurol 10(6):361-3, Dec 78
HUMAN/ MAXILLA/ *NEUROSURGERY, instrumentation/ *PITUITARY GLAND, surgery/ *SPHENOID BONE/ *STRESS, MECHANICAL/ *SURGICAL INSTRUMENTS

1437. **Harizanova M, Vasileva T:** The effect of L-thyroxine, antithyroid substances and L-histidine on either form of catalase in guinea pig liver and brain.
Folia Med (Plovdiv) 20(1):42-7, 1978
ANIMAL/ BRAIN, drug effects/ *BRAIN, enzymology/ *CATALASE, metabolism/ FEMALE/ GUINEA PIGS/ *HISTIDINE, pharmacodynamics/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ *THYROID ANTAGONISTS, pharmacodynamics/ *THYROXINE, pharmacodynamics

1438. **Harper JF, Brooker G:** Amylase secretion from the rat parotid: refractoriness to muscarinic and adrenergic agonists.
Mol Pharmacol 14(6):1031-45, Nov 78
ADRENERGIC ALPHA RECEPTOR AGONISTS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ *ALPHA-AMYLASE, secretion/ *AMYLASES, secretion/ ANIMAL/ CARBACHOL, pharmacodynamics/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ MALE/ *PARASYMPATHOMIMETICS, pharmacodynamics/ PAROTID GLAND, drug effects/ *PAROTID GLAND, enzymology/ RATS/ *SYMPATHOMIMETICS, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1439. **Harrington CA, Fenimore DC, Farmer RW:** Regulation of adrenocortical steroidogenesis by cyclic 3'-5'-guanosine monophosphate in isolated rat adrenal cells.
Biochem Biophys Res Commun 85(1):55-61, 14 Nov 78
*ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL CORTEX, drug effects/ *ADRENAL CORTEX, metabolism/ ANIMAL/ CORTICOSTERONE, biosynthesis/ CORTICOTROPIN, pharmacodynamics/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ IN VITRO/ KINETICS/ RATS

1440. **Harris JE:** beta-Adrenergic receptor-sensitive adenosine cyclic 3',5'-monophosphate accumulation in homogenates of the rat corpus striatum. A comparison with the dopamine receptor-coupled adenylate cyclase. Biochem Pharmacol 27(24):2919-25, 1978
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ ADENOSINE TRIPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ ANIMAL/ CATECHOLAMINES, pharmacodynamics/ COMPARATIVE STUDY/ CORPUS STRIATUM, drug effects/ *CORPUS STRIATUM, metabolism/ IN VITRO/ MALE/ RATS/ *RECEPTORS, ADRENERGIC, physiology/ RECEPTORS, ADRENERGIC, BETA, drug effects/ *RECEPTORS, ADRENERGIC, BETA, physiology/ RECEPTORS, DOPAMINE, drug effects/ *RECEPTORS, DOPAMINE, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1441. **Harris M, Balgobin B:** Pure Sertoli cell tumour of the ovary: report of a case with ultrastructural observations.
Histopathology 2(6):449-59, Nov 78
AGED/ CASE REPORT/ CYTOPLASMIC GRANULES, ultrastructure/ FEMALE/ HUMAN/ MITOCHONDRIA, ultrastructure/ *OVARIAN NEOPLASMS, ultrastructure/ OVARY, ultrastructure/ *SERTOLI CELL TUMOR, ultrastructure

1442. **Harrison AP Jr:** Microbial succession and mineral leaching in an artificial coal spoil. Appl Environ Microbiol 36(6):861-9, Dec 78
*ALGAE, metabolism/ ALUMINUM, metabolism/ ANIMAL/ *BACTERIA, metabolism/ CALCIUM, metabolism/ *COAL MINING/ *FUNGI, metabolism/ IRON, metabolism/ MAGNESIUM SULFATE, metabolism/ *MINERALS, metabolism/ *PROTOZOA, metabolism/ SODIUM, metabolism/ *SOIL MICROBIOLOGY/ SPECIES SPECIFICITY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1443. **Harrison DF:** Surgical management of hypopharyngeal cancer. Particular reference to the gastric 'pull-up' operation.
Arch Otolaryngol 105(3):149-52, Mar 79
ADULT/ AGED/ CARCINOMA, EPIDERMOID, mortality/ CARCINOMA, EPIDERMOID, surgery/ COLON, transplantation/ ESOPHAGUS, surgery/ FEMALE/ HUMAN/ HYPOCALCEMIA, etiology/ HYPOPARATHYROIDISM, etiology/ *HYPOPHARYNX, surgery/ LARYNGECTOMY/ LYMPHATIC METASTASIS/ MALE/ METHODS/ MIDDLE AGE/ PHARYNGEAL NEOPLASMS, mortality/ *PHARYNGEAL NEOPLASMS, surgery/ PHARYNGECTOMY/ PHARYNX, surgery/ POSTOPERATIVE CARE/ POSTOPERATIVE COMPLICATIONS/ STOMACH, surgery/ THYROIDECTOMY/ TRANSPLANTATION, AUTOLOGOUS

1444. **Harrison FA, Jarvis LG, Mann SP, et al:** Does the presence of nerve fibres in the autotransplanted adrenal gland of the sheep indicate extrinsic reinnervation? [proceedings]
J Physiol (Lond) 284:3P-4P, Nov 78
*ADRENAL GLANDS, innervation/ ADRENAL GLANDS, transplantation/ ANIMAL/ AUTONOMIC FIBERS, POSTGANGLIONIC, physiology/ CHOLINERGIC FIBERS, physiology/ FEMALE/ *NERVE REGENERATION/ SHEEP/ TRANSPLANTATION, AUTOLOGOUS

1445. **Harrison RF, Youssefnejadian E, Brodovcky H, et al:** Secretion patterns of plasma-progesterone, 17-hydroxyprogesterone, and 20alpha hydroxypregn-4-en-3-one in early abnormal pregnancy. Br J Obstet Gynaecol 85(12):927-32, Dec 78
ABORTION, blood/ *DIHYDROPROGESTERONE, blood/ DIHYDROPROGESTERONE, secretion/ FEMALE/ HUMAN/ *HYDROXYPROGESTERONES, blood/ HYDROXYPROGESTERONES, secretion/ *PREGNANCY COMPLICATIONS, blood/ PREGNANCY COMPLICATIONS, physiopathology/ PREGNANCY TRIMESTER, FIRST/ PREGNANCY/ PREGNANCY, MULTIPLE/ PROGESTATIONAL HORMONES, SYNTHETIC, therapeutic use/ *PROGESTERONE, analogs & derivatives/ *PROGESTERONE, blood/ PROGESTERONE, secretion

1446. **Harrison RF, Youssefnejadian E, Brodovcky H, et al:** Secretion patterns of plasma-progesterone, 17-hydroxyprogesterone and 20 alpha hydroxypregn-4-en-3-one in early normal pregnancy. Br J Obstet Gynaecol 85(12):921-6, Dec 78
*DIHYDROPROGESTERONE, blood/ DIHYDROPROGESTERONE, secretion/ FEMALE/ HUMAN/ *HYDROXYPROGESTERONES, blood/ HYDROXYPROGESTERONES, secretion/ PREGNANCY TRIMESTER, FIRST/ *PREGNANCY/ *PROGESTERONE, analogs & derivatives/ *PROGESTERONE, blood/ PROGESTERONE, secretion

1447. **Harrison RF, O'Moore RR, McSweeney J:** Stress, prolactin, and infertility [letter] Lancet 1(8109):209, 27 Jan 79
CLINICAL RESEARCH/ FEMALE/ HUMAN/ PREGNANCY/ *PROLACTIN, blood/ STERILITY, FEMALE, blood/ *STERILITY, FEMALE, etiology/ *STRESS, PSYCHOLOGICAL, blood

1448. **Hart PD, Young MR:** The effect of inhibitors and enhancers of phagosome--lysosome fusion in cultured macrophages on the phagosome membranes of ingested yeasts.
Exp Cell Res 118(2):365-75, Feb 79
CELLS, CULTURED/ *CHLOROQUINE, pharmacodynamics/ LYSOSOMES, ultrastructure/ MACROPHAGES, drug effects/ MACROPHAGES, immunology/ *MACROPHAGES, ultrastructure/ MEMBRANES, drug effects/ MEMBRANES, ultrastructure/ ORGANOIDS, ultrastructure/ *PEPTIDES, pharmacodynamics/ *PHAGOCYTOSIS/ *POLYGLUTAMIC ACID, pharmacodynamics/ SACCHAROMYCES CEREVISIAE

1449. **Hashimoto H, Shiokawa Y:** Changing pattern of clinical features and prognosis in systemic lupus erythematosus.
Scand J Rheumatol 7(4):219-24, 1978
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ CHILD/ DRUG THERAPY, COMBINATION/ FEMALE/ GLOMERULONEPHRITIS, diagnosis/ GLOMERULONEPHRITIS, drug therapy/

GLOMERULONEPHRITIS, mortality/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, diagnosis/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, mortality/ MALE/ MIDDLE AGE/ PROGNOSIS

1450. **Hashimoto Y, Miyazaki H:** Simultaneous determination of endogenous norepinephrine and dopamine-beta-hydroxylase activity in biological materials by chemical ionization mass fragmentography. J Chromatogr 168(1):59–68, 11 Jan 79
ADRENAL GLANDS, analysis/ ANIMAL/ BIOGENIC AMINES, analysis/ DOPAMINE BETA-HYDROXYLASE, blood/ *DOPAMINE BETA-HYDROXYLASE, metabolism/ HUMAN/ MALE/ MASS FRAGMENTOGRAPHY, methods/ METHODS/ *NOREPINEPHRINE, analysis/ NOREPINEPHRINE, blood/ RATS

1451. **Haslam RJ, Davidson MM, Fox JE, et al:** Cyclic nucleotides in platelet function. Thromb Haemost 40(2):232–40, 31 Oct 78 (44 ref.)
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *BLOOD PLATELETS, metabolism/ DEOXYADENOSINE, pharmacodynamics/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HUMAN/ PLATELET AGGREGATION/ PROSTAGLANDINS E, pharmacodynamics/ REVIEW

1452. **Haslett C, Douglas NJ:** Inappropriate antidiuretic hormone secretion associated with neurohypophyseal choristoma. Br Med J 2(6154):1753, 23–30 Dec 78
ADULT/ *BRAIN NEOPLASMS, complications/ CASE REPORT/ *CHORISTOMA, complications/ FEMALE/ HUMAN/ *HYPOTHALAMUS/ *INAPPROPRIATE ADH SYNDROME, etiology/ *PITUITARY GLAND, POSTERIOR

1453. **Hatemi S, Hatemi H, Urgancioglu I, et al:** La réponse de l'hormone de croissance a l'hypoglycémie provoouée dans l'état de malnutrition sévère. Pediatrie 3(7):647–51, Oct–Nov 78 (Eng. Abstr.) **(Fre)**
BLOOD SUGAR, metabolism/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ HUMAN/ INFANT/ *INSULIN, pharmacodynamics/ *NUTRITION DISORDERS, blood/ *SOMATOTROPIN, blood/ SOMATOTROPIN, secretion/ STIMULATION, CHEMICAL

1454. **Hathaway GM, Traugh JA:** Cyclic nucleotide-independent protein kinases from rabbit reticulocytes. Purification of casein kinases. J Biol Chem 254(3):762–8, 10 Feb 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ CASEIN/ KINETICS/ MOLECULAR WEIGHT/ PHOSPHORYLATION/ *PROTEIN KINASE, blood/ PROTEIN KINASE, isolation & purification/ RABBITS/ *RETICULOCYTES, enzymology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1455. **Hatton DC, Tankle R, Lanthorn T, et al:** Serotonin and tonic immobility in the rabbit. Behav Biol 24(1):97–100, Sep 78
ANIMAL/ *BRAIN STEM, drug effects/ CHEMORECEPTORS, drug effects/ CISTERNA MAGNA/ *IMMOBILIZATION/ INJECTIONS/ INJECTIONS, INTRAVENOUS/ PRESSORECEPTORS, drug effects/ RABBITS/ *RAPHE NUCLEI, drug effects/ RAPHE NUCLEI, physiology/ SEROTONIN, administration & dosage/ *SEROTONIN, pharmacodynamics/ SPECIES SPECIFICITY/ TIME FACTORS

1456. **Haug M, Brain PF:** Attack directed by groups of castrated male mice towards lactating or non-lactating intruders: a urine-dependent phenomenon? Physiol Behav 21(4):549–52, Oct 78
*AGGRESSION, physiology/ ANIMAL/ *CASTRATION/ *LACTATION/ MALE/ MICE/ TIME FACTORS/ *URINE, physiology

1457. **Haugen E, Mjör IA:** Bone tissue reactions to periodontal dressings. J Periodont Res 14(1):76–85, Jan 79
ANIMAL/ *BONE AND BONES, drug effects/ BONE AND BONES, pathology/ COMPARATIVE STUDY/ DRUG IMPLANTS/ DRUG SCREENING/ MALE/ *PERIODONTAL DRESSINGS, toxicity/ RATS/ WOUND HEALING, drug effects

1458. **Haugen HN:** Betablokkere og forbehandling ved operasjon for thyreotoksikose. Tidsskr Nor Laegeforen 99(2):80, 20 Jan 79 **(Nor)**
*ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ HUMAN/ *HYPERTHYROIDISM, surgery/ PREMEDICATION/ THYROIDECTOMY

1459. **Haupt W, Glöbel B, Oberhausen E:** Eine Methode zur Messung des Energieumsatzes an Laborratten und ihre Anwendung. Z Versuchstierkd 20(6):321–7, 1978 (Eng. Abstr.) **(Ger)**
ANIMAL/ BODY WEIGHT/ *CALORIMETRY/ CALORIMETRY, instrumentation/ *ENERGY METABOLISM/ ENERGY METABOLISM, drug effects/ ENGLISH ABSTRACT/ RATS/ TEMPERATURE/ THYROID HORMONES, pharmacodynamics/ TIME FACTORS

1460. **Hausamen JE, Barsekow F:** Zur Problematik der Differentialdiagnose zwischen dem eosinophilen Granulom und der marginalen Parodontitis. Dtsch Zahnaerztl Z 33(11):781–4, Nov 78 (Eng. Abstr.) **(Ger)**
ADULT/ BIOPSY/ BONE AND BONES, pathology/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ *EOSINOPHILIC GRANULOMA, diagnosis/ FEMALE/ HUMAN/ MALE/ *PERIODONTITIS, diagnosis

1461. **Hauser GA:** Ovulationshemmer bei der Frau um 40? Gynaekol Rundsch 18(3–4):193–212, 1978 **(Ger)**
ADULT/ AGE FACTORS/ BODY WEIGHT, drug effects/ CONTRACEPTION, methods/ *CONTRACEPTIVES, ORAL, adverse effects/ DRUG TOLERANCE/ FEMALE/ HUMAN/ HYPERTENSION, chemically induced/ LIVER, drug effects/ MENOPAUSE, drug effects/ MIDDLE AGE/ MYOCARDIAL INFARCTION, chemically induced/ RISK/ THROMBOEMBOLISM, chemically induced

1462. **Hauser-Gunsbourg N, Doerr-Schott J, Dubois MP:** Identification by immunofluorescence of prolactin- and somatotropin-producing cells in the pituitary gland of the Mexican axolotl (Ambystoma mexicanum, Shaw). Cell Tissue Res 194(3):497–501, 12 Dec 78
*AMBYSTOMA, anatomy & histology/ ANIMAL/ FLUORESCENT ANTIBODY TECHNIC/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, metabolism/ *PROLACTIN, metabolism/ *SOMATOTROPIN, metabolism

1463. **Havemann K, Gropp C, Scheuer A, et al:** ACTH-like activity in immune complexes of patients with oat-cell carcinoma of the lung. Br J Cancer 39(1):43–50, Jan 79
AGED/ *ANTIGEN-ANTIBODY COMPLEX/ ANTIGENS, NEOPLASM, analysis/ CARCINOEMBRYONIC ANTIGEN, analysis/ *CARCINOMA, OAT CELL, immunology/ *CORTICOTROPIN, blood/ CUSHING'S SYNDROME, immunology/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ HUMAN/ *LUNG NEOPLASMS, immunology/ MALE/ MIDDLE AGE/ MOLECULAR WEIGHT

1464. **Haverling M, Johanson H, Ahrén L:** Approximate sagittal computer tomography of the sellar and suprasellar regions. Acta Radiol [Diagn] (Stockh) 19(6):918–20, 1978
*ADENOMA, CHROMOPHOBE, radionuclide imaging/ *BRAIN NEOPLASMS, radionuclide imaging/ *CRANIOPHARYNGIOMA, radionuclide imaging/ HUMAN/ NEURILEMMOMA, radionuclide imaging/ *PITUITARY NEOPLASMS, radionuclide imaging/ POSTURE/ *SELLA TURCICA, radionuclide imaging/ TOMOGRAPHY, COMPUTERIZED AXIAL, instrumentation/ *TOMOGRAPHY, COMPUTERIZED AXIAL, methods

1465. **Hay ID, Teasdale G, Beastall GH, et al:** Trans-sphenoidal surgery for acromegaly: a comparison of cryosurgery and microsurgery [proceedings] J Endocrinol 79(2):44P–45P, Nov 78
*ACROMEGALY, surgery/ ADULT/ COMPARATIVE STUDY/ *CRYOGENIC SURGERY/ FEMALE/ HUMAN/ MALE/ *MICROSURGERY/ SOMATOTROPIN, blood

1466. **Hayashi H, Yamasaki F:** Characteristics of the induction of phosphodiesterases by cyclic adenosine 3',5'-monophosphate in the slime mold, Dictyostelium discoideum. Chem Pharm Bull (Tokyo) 26(10):2977–82, Oct 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *DICTYOSTELIUM,

enzymology/ ENZYME INDUCTION, drug effects/ *PHOSPHODIESTERASES, metabolism

1467. **Hayashida Y:** [Study on potassium transport in the intestine compensatory potassium excretion mechanism increasing factors of potassium secretion (author's transl)] Nippon Jinzo Gakkai Shi 20(6):619–40, Jun 78 (Eng. Abstr.) **(Jpn)**
ALDOSTERONE, pharmacodynamics/ ANIMAL/ BIOLOGICAL TRANSPORT/ ENGLISH ABSTRACT/ EQUILIBRIUM/ HUMAN/ *INTESTINES, metabolism/ KIDNEY DISEASES, metabolism/ MALE/ *POTASSIUM, metabolism/ RATS/ SODIUM, metabolism/ SPIRONOLACTONE, pharmacodynamics

1468. **Haye R, Sjaastad OV, Blom AK, et al:** The effects of horseradish peroxidase on the concentration of 5-hydroxytryptamine and platelet counts in blood of rabbits and guinea pigs. Histochemistry 58(1–2):71–7, 24 Nov 78
ANIMAL/ BLOOD CELL COUNT/ *BLOOD PLATELETS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GUINEA PIGS/ HORSERADISH PEROXIDASE, pharmacodynamics/ LUNG, ultrastructure/ PLATELET AGGREGATION, drug effects/ RABBITS/ *SEROTONIN, blood

1469. **Hayes SF, Burgdorfer W:** Ultrastructure of Rickettsia rhipicephali, a new member of the spotted fever group rickettsiae in tissues of the host vector Rhipicephalus sanguineus. J Bacteriol 137(1):605–13, Jan 79
ANIMAL/ CELL MEMBRANE, ultrastructure/ CELL WALL, ultrastructure/ COMPARATIVE STUDY/ CYTOPLASM, ultrastructure/ MALPIGHIAN TUBULES, microbiology/ OVARY, microbiology/ RIBOSOMES, ultrastructure/ RICKETTSIA, growth & development/ *RICKETTSIA, ultrastructure/ SALIVARY GLANDS, microbiology/ *TICKS, microbiology

1470. **Haynes NB, Kiser TE, Hafs HD, et al:** Effect of intracarotid infusion of prostaglandin F2alpha on plasma prolactin and growth hormone in bulls. J Anim Sci 47(4):919–22, Oct 78
ANIMAL/ CAROTID ARTERIES/ *CATTLE, blood/ COMPARATIVE STUDY/ INJECTIONS, INTRA-ARTERIAL/ INJECTIONS, INTRAVENOUS/ JUGULAR VEINS/ MALE/ *PROLACTIN, blood/ *PROSTAGLANDINS F, administration & dosage/ PROSTAGLANDINS F, pharmacodynamics/ *SOMATOTROPIN, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1471. **Haynes NB, Collier RJ, Kiser TE, et al:** Effect of prostaglandin E2 and F2alpha on serum luteinizing hormone, testosterone and prolactin in bulls. J Anim Sci 47(4):923–6, Oct 78
ANIMAL/ *CATTLE, blood/ COMPARATIVE STUDY/ INJECTIONS, INTRAMUSCULAR/ *LH, blood/ MALE/ *PROLACTIN, blood/ PROSTAGLANDINS E, administration & dosage/ *PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, administration & dosage/ *PROSTAGLANDINS F, pharmacodynamics/ *TESTOSTERONE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1472. **Häyry P, Tötterman TH:** Cytological and functional analysis of inflammatory infiltrates in human malignant tumors. I. Composition of the inflammatory infiltrates. Eur J Immunol 8(12):866–71, Dec 78
BREAST NEOPLASMS, pathology/ CARCINOMA, PAPILLARY, pathology/ *CELL TRANSFORMATION, NEOPLASTIC/ DYSGERMINOMA, pathology/ HUMAN/ IMMUNOGLOBULINS, SURFACE/ INFLAMMATION, immunology/ *INFLAMMATION, pathology/ LYMPHOCYTES, immunology/ MACROPHAGES, immunology/ MONOCYTES, immunology/ TESTICULAR NEOPLASMS, pathology/ THYROID NEOPLASMS, pathology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1473. **Hays ET, Connett RJ:** Effect of methylxanthines and elevated external potassium on high energy phosphate content in frog skeletal muscle. Biochem Pharmacol 27(24):2965–8, 1978
ANIMAL/ CAFFEINE, pharmacodynamics/ CALCIUM, metabolism/ *ENERGY METABOLISM, drug effects/ FROGS/ IN VITRO/ *MUSCLES, drug effects/ MUSCLES, metabolism/ *PHOSPHATES, metabolism/ POTASSIUM, metabolism/ *POTASSIUM, pharmacodynamics/ RANA PIPIENS/ SODIUM, metabolism/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *XANTHINES, pharmacodynamics

1474. **Hayslett JP:** Potassium adaptation after reduction of nephron population. Yale J Biol Med 51(3):283–8, May–Jun 78
ADAPTATION, PHYSIOLOGICAL/ ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM, metabolism/ ADRENALECTOMY/ ANIMAL/ COLON, metabolism/ GLOMERULAR FILTRATION RATE/ KIDNEY CORTEX, enzymology/ KIDNEY MEDULLA, enzymology/ *KIDNEY, metabolism/ KIDNEY, physiology/ MEMBRANE POTENTIALS/ NEPHRECTOMY/ *POTASSIUM, metabolism/ POTASSIUM, urine/ RATS

1475. **Hayward JL, Greenwood FC, Glober G, et al:** Endocrine status in normal British, Japanese and Hawaiian-Japanese women. Eur J Cancer 14(11):1221–8, Nov 78
ADULT/ *ANDROGENS, metabolism/ ANTHROPOMETRY/ BREAST NEOPLASMS, occurrence/ COMPARATIVE STUDY/ *ESTROGENS, blood/ FEMALE/ GREAT BRITAIN/ HAWAII/ HUMAN/ JAPAN, ethnology/ MENOPAUSE/ MIDDLE AGE/ *PITUITARY HORMONES, blood/ *PROGESTERONE, blood/ *RACIAL STOCKS/ *17-HYDROXYCORTICOSTEROIDS, urine

1476. **Hazra DK, Jain RK:** Radioimmunoassay (RIA) and other saturation assay techniques in clinical medicine. J Assoc Physicians India 26(2):95–101, Feb 78
CORTICOTROPIN, blood/ FSH, blood/ HUMAN/ HYDROCORTISONE, blood/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ LH, blood/ PITUITARY-ADRENAL FUNCTION TESTS/ PITUITARY-ADRENAL SYSTEM, physiopathology/ PLACENTAL FUNCTION TESTS/ *RADIOIMMUNOASSAY/ THYROID FUNCTION TESTS/ THYROID HORMONES, blood

1477. **Hazum E, Chang KJ, Cuatrecasas P:** Rapid degradation of [3H]leucine-enkephalin by intact neuroblastoma cells. Life Sci 24(2):137–44, 8 Jan 79
CELLS, CULTURED/ *ENDORPHINS, metabolism/ *ENKEPHALINS, metabolism/ KINETICS/ NARCOTICS, pharmacodynamics/ NEUROBLASTOMA, enzymology/ *NEUROBLASTOMA, metabolism/ RECEPTORS, NARCOTIC, metabolism

1478. **Heal DJ, Green AR:** Administration of thyrotropin releasing hormone (TRH) to rats releases dopamine in n. accumbens but not n. caudatus. Neuropharmacology 18(1):23–31, Jan 79
ANIMAL/ *CAUDATE NUCLEUS, drug effects/ CAUDATE NUCLEUS, metabolism/ *DOPAMINE, metabolism/ HALOPERIDOL, pharmacodynamics/ HYDROXYDOPAMINE, pharmacodynamics/ INJECTIONS/ MALE/ MOTOR ACTIVITY, drug effects/ *NUCLEUS ACCUMBENS, drug effects/ NUCLEUS ACCUMBENS, metabolism/ RATS/ *SEPTAL NUCLEI, drug effects/ THYROTROPIN RELEASING HORMONE, administration & dosage/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics/ THYROTROPIN, pharmacodynamics/ TIME FACTORS/ TRANYLCYPROMINE, pharmacodynamics

1479. **Heaney RP, Recker RR, Saville PD:** Menopausal changes in bone remodeling. J Lab Clin Med 92(6):964–70, Dec 78
ADULT/ *BONE AND BONES, physiology/ BONE RESORPTION/ CALCIUM, metabolism/ *ESTROGENS, physiology/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ KINETICS/ *MENOPAUSE/ MIDDLE AGE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1480. **Heaney RP, Recker RR, Saville PD:** Menopausal changes in calcium balance performance. J Lab Clin Med 92(6):953–63, Dec 78
ABSORPTION/ ADULT/ *CALCIUM, metabolism/ CALCIUM, urine/ CALCIUM, DIETARY/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ *MENOPAUSE/ MIDDLE AGE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1481. **Hearn PR, Tomlinson S, Mellersh H, et al:** Low molecular weight calcium-binding protein from the kidney and gill of the freshwater eel (Anguilla anguilla) [proceedings]
J Endocrinol 79(2):36P-37P, Nov 78
ANGUILLA/ ANIMAL/ *CALCIUM, metabolism/ *CARRIER PROTEINS, isolation & purification/ *GILLS, analysis/ *KIDNEY, analysis/ MOLECULAR WEIGHT

1482. **Heath RG, Dempesy CW, Fontana CJ, et al:** Cerebellar stimulation: effects on septal region, hippocampus, and amygdala of cats and rats. Biol Psychiatry 13(5):501-29, Oct 78
*AMYGDALOID BODY, physiology/ ANIMAL/ CATS/ *CEREBELLAR CORTEX, physiology/ CEREBELLAR NUCLEI, physiology/ ELECTRIC STIMULATION/ ELECTROPHYSIOLOGY/ EMOTIONS, physiology/ EPILEPSY, therapy/ EVOKED POTENTIALS/ *HIPPOCAMPUS, physiology/ INTERNEURONS, physiology/ NEURAL INHIBITION/ RATS/ *SEPTUM PELLUCIDUM, physiology

1483. **Heberer G:** Chirurgie der Hyperthyreose. Einführung.
Langenbecks Arch Chir 347:115-7, Nov 78 (Eng. Abstr.) **(Ger)**
ADENOMA, surgery/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ GOITER, EXOPHTHALMIC, radionuclide imaging/ GOITER, EXOPHTHALMIC, surgery/ GOITER, NODULAR, surgery/ HUMAN/ HYPERTHYROIDISM, radionuclide imaging/ *HYPERTHYROIDISM, surgery/ THYROID NEOPLASMS, surgery

1484. **Hecht Y, Rigaud D, Çelerier M, et al:** Hépatite cholestatique à l'ajmaline. Congestion lymphatique du foie. Guerison par la spironolactone d'une cholestase complete.
Med Chir Dig 7(6):473-4, 1978 **(Fre)**
*AJMALINE, toxicity/ CHOLESTASIS, chemically induced/ CHOLESTASIS, drug therapy/ FEMALE/ *HEPATITIS, TOXIC/ HEPATITIS, TOXIC, drug therapy/ HUMAN/ MIDDLE AGE/ SPIRONOLACTONE, therapeutic use

1485. **Hedley AJ, Pearson JC:** Review of patients after 131I treatment for thyrotoxicosis [letter] Br Med J 2(6151):1569, 2 Dec 78
FOLLOW-UP STUDIES/ HUMAN/ *HYPERTHYROIDISM, radiotherapy/ HYPOTHYROIDISM, etiology/ *IODINE RADIOISOTOPES, therapeutic use/ THYROTROPIN, blood

1486. **Hedner T:** Central monoamine metabolism and neonatal oxygen deprivation. An experimental study in the rat brain.
Acta Physiol Scand [Suppl] (460):1-34, 1978
AMINO ACIDS, metabolism/ ANIMAL/ ANIMALS, NEWBORN/ ANOXIA, enzymology/ ANOXIA, metabolism/ ASPHYXIA NEONATORUM, enzymology/ *ASPHYXIA NEONATORUM, metabolism/ BRAIN, enzymology/ BRAIN, growth & development/ *BRAIN, metabolism/ *CATECHOLAMINES, metabolism/ FEMALE/ OXYGEN CONSUMPTION/ PREGNANCY/ RATS/ *SEROTONIN, metabolism/ TRYPTOPHAN HYDROXYLASE, metabolism/ TYROSINE HYDROXYLASE, metabolism

1487. **Heikkinen J, Lehtinen M, Pöyhönen L:** Gammakuvaus ja ohutneulabiopsia kilpirauhassyövän diagnostiikassa.
Duodecim 95(4):192-7, 1979 (Eng. Abstr.) **(Fin)**
BIOPSY, NEEDLE/ ENGLISH ABSTRACT/ HUMAN/ *THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, radionuclide imaging

1488. **Heilmann E:** Orale Kontrazeptiva und Vitamine.
Dtsch Med Wochenschr 104(4):144-6, 26 Jan 79 **(Ger)**
ASCORBIC ACID, blood/ ASCORBIC ACID, metabolism/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ FOLIC ACID, metabolism/ HUMAN/ PYRIDOXINE, metabolism/ VITAMIN A, metabolism/ VITAMIN B 12, blood/ VITAMIN B 12, metabolism/ *VITAMINS, metabolism

1489. **Heinrich B, Pruin EH, Eschberger J, et al:** Histologischer Befund von Implantatlagern nach enossaler Tantalimplantation im odonto-stomatologischen Bereich.
Oesterr Z Stomatol 75(6):214-24, Jun 78 **(Ger)**
BIOCOMPATIBLE MATERIALS/ BONE AND BONES, pathology/ *DENTAL IMPLANTATION, ENDOSSEOUS, ENDODONTIC, adverse effects/ FOREIGN BODY REACTION/ HUMAN/ MICRORADIOGRAPHY/ *TANTALUM, adverse effects

1490. **Heinrichs HJ:** Zu bilateralen Hodentumoren.
Z Urol Nephrol 71(12):919-24, Dec 78 (Eng. Abstr.) **(Ger)**
ADULT/ CASE REPORT/ *DYSGERMINOMA, pathology/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/ *NEOPLASMS, MULTIPLE PRIMARY, pathology/ *TERATOID TUMOR, pathology/ *TESTICULAR NEOPLASMS, pathology/ TIME FACTORS

1491. **Heissmeyer H, Hoppe-Seyler P, Jontofsohn R, et al:** Lebertumoren als Komplikation von Ovulationshemmern.
Verh Dtsch Ges Inn Med (84):1612-4, 1978 **(Ger)**
ADENOMA, chemically induced/ ADULT/ CASE REPORT/ *CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ FEMALE/ HUMAN/ *LIVER NEOPLASMS, chemically induced

1492. **Heisterberg L, Jørgensen PI, Svenstrup B:** Frit østriol i serum i sidste halvdel af svangerskabet. Normalområde og døgnvariationer. Ugeskr Laeger 141(4):217-9, 22 Jan 79 (Eng. Abstr.) **(Dan)**
ADULT/ *CIRCADIAN RHYTHM/ *DIURNAL RHYTHM/ ENGLISH ABSTRACT/ *ESTRIOL, blood/ FEMALE/ HUMAN/ NORMAL VALUES/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY TRIMESTER, THIRD/ *PREGNANCY

1493. **Heitzman RJ:** The use of hormones to regulate the utilization of nutrients in farm animals: current farm practices.
Proc Nutr Soc 37(3):289-93, Dec 78
*AGRICULTURE/ *ANIMAL FEED/ ANIMAL/ BODY WEIGHT, drug effects/ CATTLE/ DRUG IMPLANTS/ FEMALE/ MALE/ MEAT/ *NUTRITION, drug effects/ POULTRY/ SEX FACTORS/ *SEX HORMONES, pharmacodynamics/ SHEEP/ SWINE

1494. **Helber A, Bönner G, Hummerich W, et al:** Verbesserte Aussage des Nierenvenenreninquotienten durch gleichzeitige Bestimmung der 131Jod-Hippuran-Clearance in der Diagnostik der renovaskulären Hypertonie.
Klin Wochenschr 57(1):13-20, 1 Jan 79 (Eng. Abstr.) **(Ger)**
ADULT/ AGED/ BLOOD PRESSURE/ ENGLISH ABSTRACT/ FEMALE/ HIPPURATES, diagnostic use/ HUMAN/ *HYPERTENSION, RENAL, diagnosis/ IODINE RADIOISOTOPES, diagnostic use/ KIDNEY, blood supply/ MALE/ METABOLIC CLEARANCE RATE/ MIDDLE AGE/ REGIONAL BLOOD FLOW/ *RENIN, metabolism/ RENIN, secretion/ SARALASIN, diagnostic use

1495. **Hellman B, Sehlin J, Täljedal IB:** Effect of Na+, K+ and Mg2+ on 45Ca+ uptake by pancreatic islets.
Pfluegers Arch 378(2):93-7, 28 Dec 78
ANIMAL/ *CALCIUM, metabolism/ GLUCOSE, pharmacodynamics/ IN VITRO/ INSULIN, metabolism/ ISLANDS OF LANGERHANS, drug effects/ *ISLANDS OF LANGERHANS, metabolism/ LANTHANUM, pharmacodynamics/ *MAGNESIUM, pharmacodynamics/ MICE/ *POTASSIUM, pharmacodynamics/ *SODIUM, pharmacodynamics

1496. **Hemberger JA, Schanker LS:** Effect of thyroxine on permeability of the neonatal rat lung to drugs.
Biol Neonate 34(5-6):299-303, 1978
*P-AMINOHIPPURIC ACID, metabolism/ *AMINOHIPPURIC ACIDS, metabolism/ ANIMAL/ ANIMALS, NEWBORN/ FEMALE/ INJECTIONS, INTRAPERITONEAL/ LUNG, growth & development/ *LUNG, metabolism/ MALE/ *MANNITOL, metabolism/ *PROCAINAMIDE, metabolism/ RATS/ THYROXINE, administration & dosage/ *THYROXINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1497. **Hemler ME, Graff G, Lands WE:** Accelerative autoactivation of prostaglandin biosynthesis by PGG2.
Biochem Biophys Res Commun 85(4):1325-31, 29 Dec 78
ENZYME ACTIVATION/ KINETICS/ *PROSTAGLANDIN ENDOPEROXIDES, pharmacodynamics/ *PROSTAGLANDIN SYNTHASE, metabolism/ *PROSTAGLANDINS G, pharmacodynamics/ PROSTAGLANDINS H, pharmacodynamics/ *PROSTAGLANDINS, biosynthesis/ UNITED STATES GOV'T

SUPPORTED

1498. **Hemmes RB, Hubsch S, Pack HM:** High dosage of testosterone propionate increases litter production of the genetically obese male Zucker rat (40362). Proc Soc Exp Biol Med 159(3):424–7, Dec 78
AGE FACTORS/ ANIMAL/ DISEASE MODELS, ANIMAL/ FEMALE/ *FERTILITY, drug effects/ *LITTER SIZE, drug effects/ MALE/ OBESITY, familial & genetic/ *OBESITY, physiopathology/ RATS/ *TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1499. **Hempel E, Günther P, Neumann G, et al:** Experimentelle Untersuchungen an der Kastrations-Osteoporose der Ratte. II. Verhalten der Knochenmineralien. Zentralbl Gynaekol 100(21):1391–8, 1978 (Eng. Abstr.) **(Ger)**
ANIMAL/ *BONE AND BONES, analysis/ CALCIUM, analysis/ CASTRATION, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ MAGNESIUM, analysis/ *MINERALS, analysis/ OSTEOPOROSIS, etiology/ *OSTEOPOROSIS, metabolism/ PHOSPHORUS, analysis/ POTASSIUM, analysis/ RATS/ SODIUM, analysis

1500. **Hempel E, Eichhorn KH, Eichhorn M:** Experimentelle Untersuchungen an der Kastrations-Osteoporose der Ratte. I. Knochenmorphometrie. Zentralbl Gynaekol 100(21):1385–90, 1978 (Eng. Abstr.) **(Ger)**
ANIMAL/ CASTRATION, adverse effects/ DELAYED-ACTION PREPARATIONS/ DENSITOMETRY/ ENGLISH ABSTRACT/ ESTROGENS, administration & dosage/ ETHINYL ESTRADIOL, administration & dosage/ FEMALE/ FEMUR, pathology/ HUMERUS, pathology/ OSTEOPOROSIS, etiology/ *OSTEOPOROSIS, pathology/ OSTEOPOROSIS, prevention & control/ RATS/ VERTEBRATES

1501. **Hems DA, McCormack JG, Denton RM:** Activation of pyruvate dehydrogenase in the perfused rat liver by vasopressin. Biochem J 176(2):627–9, 15 Nov 78
ANIMAL/ ENZYME ACTIVATION, drug effects/ IN VITRO/ LIVER, drug effects/ *LIVER, enzymology/ *PYRUVATE DEHYDROGENASE COMPLEX, metabolism/ RATS/ *VASOPRESSINS, pharmacodynamics

1502. **Henderson JR, Daniel PM:** Portal circulations and their relation to counter-current systems. Q J Exp Physiol 63(4):355–69, Oct 78
ADRENAL GLANDS, blood supply/ ANIMAL/ CAPILLARIES, physiology/ *COUNTERCURRENT DISTRIBUTION/ KIDNEY, blood supply/ *LIVER CIRCULATION/ LYMPHATIC SYSTEM, blood supply/ OVARY, blood supply/ PANCREAS, blood supply/ PITUITARY GLAND, blood supply/ *PORTAL SYSTEM, physiology/ TESTIS, blood supply/ UTERUS, blood supply/ VEINS, pathology

1503. **Henderson WJ, Melville-Jones C, Wilson DW, et al:** Oxygen incineration and electron microscope x-ray microanalysis of mineral particles in biological tissues.
J Histochem Cytochem 26(12):1087–93, Dec 78
*ELECTRON PROBE MICROANALYSIS/ FEMALE/ *HEAT/ HUMAN/ *LIVER, analysis/ LIVER, embryology/ *OVARY, analysis/ *OXYGEN/ *TRACE ELEMENTS, analysis

1504. **Henkler G, Klotzbach M, Koch H, et al:** Fortschritte auf dem Gebiet der Arzneimittelentwicklung. Pharmazie 33(9):551–67, Sep 78 (306 ref.) **(Ger)**
ANTI-INFECTIVE AGENTS/ ANTIBIOTICS/ ANTIDEPRESSIVE AGENTS/ ANTIEMETICS/ ANTIPARKINSON AGENTS/ ANTIVIRAL AGENTS/ CENTRAL NERVOUS SYSTEM, drug effects/ CONTRACEPTIVES, ORAL, HORMONAL/ *DRUGS/ ESTROGENS/ GLUCOCORTICOIDS/ HISTAMINE H1 RECEPTOR BLOCKADERS/ NITRO COMPOUNDS/ PERIPHERAL NERVES, drug effects/ REVIEW/ SEROTONIN ANTAGONISTS/ TRANQUILIZING AGENTS/ TRANQUILIZING AGENTS, MAJOR

1505. **Hennessy MB, Coe CL, Mendoza SP, et al:** Scent-marking and olfactory investigatory behavior in the squirrel monkey (Saimiri sciureus). Behav Biol 24(1):57–67, Sep 78
ANIMAL/ *BEHAVIOR, ANIMAL/ FEMALE/ MALE/ *MONKEYS/ *PHEROMONES/ SEASONS/ SEX BEHAVIOR, ANIMAL/ SEX FACTORS/ *SMELL/ SPECIES SPECIFICITY/ *SQUIRREL MONKEYS/ TESTOSTERONE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1506. **Hennessy MB, Levine S:** Sensitive pituitary-adrenal responsiveness to varying intensities of psychological stimulation. Physiol Behav 21(3):295–7, Sep 78
ANIMAL/ CORTICOSTERONE, blood/ ENVIRONMENT/ HANDLING (PSYCHOLOGY)/ MALE/ MICE/ MICE, INBRED C57BL/ *PITUITARY-ADRENAL SYSTEM, metabolism/ *STRESS, PSYCHOLOGICAL, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1507. **Henney JE, DeVita VT:** Future prospectives in the treatment of breast cancer. Semin Oncol 5(4):465–8, Dec 78
ANTINEOPLASTIC AGENTS, administration & dosage/ BREAST NEOPLASMS, metabolism/ *BREAST NEOPLASMS, therapy/ CLINICAL RESEARCH/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ PROGNOSIS/ RECEPTORS, ESTROGEN/ RESEARCH DESIGN

1508. **Henriksen SJ, Bloom FE, McCoy F, et al:** beta-Endorphin induces nonconvulsive limbic seizures.
Proc Natl Acad Sci USA 75(10):5221–5, Oct 78
ANIMAL/ BEHAVIOR, ANIMAL, drug effects/ ELECTROENCEPHALOGRAPHY/ *ENDORPHINS, pharmacodynamics/ ENKEPHALINS, pharmacodynamics/ INJECTIONS, INTRAVENTRICULAR/ *LIMBIC SYSTEM, drug effects/ MORPHINE, pharmacodynamics/ MOTOR ACTIVITY, drug effects/ NALOXONE, pharmacodynamics/ RATS/ *SEIZURES, chemically induced

1509. **Hentschel U, Jung HD:** Zum gegenwärtigen Stand der Hauttuberkulose. Z Gesamte Inn Med 33(19):726–31, 1 Oct 78 (Eng. Abstr.) **(Ger)**
ENGLISH ABSTRACT/ HUMAN/ ISONICOTINIC ACIDS, therapeutic use/ THIOSEMICARBAZONES, therapeutic use/ *TUBERCULOSIS, CUTANEOUS/ VITAMIN D, therapeutic use

1510. **Hepner GW, Jowsey J, Arnaud C, et al:** Osteomalacia and celiac disease: response to 25-hydroxyvitamin D. Am J Med 65(6):1015–20, Dec 78
ADMINISTRATION, ORAL/ ADULT/ CASE REPORT/ FEMALE/ GLUTEN/ HUMAN/ HYDROXYCHOLECALCIFEROLS, administration & dosage/ *HYDROXYCHOLECALCIFEROLS, therapeutic use/ MIDDLE AGE/ OSTEOMALACIA, drug therapy/ *OSTEOMALACIA, etiology/ *SPRUE, complications/ SPRUE, diet therapy/ VITAMIN D DEFICIENCY, complications

1511. **Hermabessiére J, Boucher D, Grizard G:** La prolactine chez l'homme stérile. J Urol Nephrol (Paris) 83 Suppl 2:577–83, 1977 **(Fre)**
ADULT/ FSH, analysis/ HUMAN/ LH, analysis/ MALE/ *PROLACTIN, blood/ PROLACTIN, physiology/ *STERILITY, MALE, blood/ 17-KETOSTEROIDS, urine

1512. **Hermabessière J, Vincens L, Bruhat M:** Utilisation d'un anti-androgène dans le traitement du cancer de la prostate (etude clinique). J Urol Nephrol (Paris) 83 Suppl 2:526–8, 1977 **(Fre)**
CYPROTERONE, adverse effects/ *CYPROTERONE, therapeutic use/ DRUG TOLERANCE/ HUMAN/ MALE/ *PROSTATIC NEOPLASMS, drug therapy

1513. **Hermel AA:** Wpływ zabiegu operacyjnego na zachowanie się samoistnej redukcji błękitu nitrotetrazoliowego (BNT).
Pol Przegl Chir 50(9):733–9, Sep 78 (Eng. Abstr.) **(Pol)**
ADOLESCENCE/ ADULT/ AGED/ BACTERIAL INFECTIONS, diagnosis/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ GOITER, NODULAR, surgery/ HUMAN/ MALE/ MIDDLE AGE/ *NITROBLUE TETRAZOLIUM, diagnostic use/ *SURGICAL WOUND INFECTION, diagnosis/ *TETRAZOLIUM SALTS, diagnostic use

1514. **Herold ES, Goodwin MS, Lero DS:** Self-esteem, locus of control, and adolescent contraception. J Psychol 101(First Half):83–8, Jan 79
ADOLESCENCE/ ADULT/ ATTITUDE/ CANADA/ *CONTRACEPTION BEHAVIOR/ CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ *INTERNAL-EXTERNAL CONTROL/ *SELF CONCEPT

1515. **Herpin D, Corvol P, Sudre Y, et al:** Hyperaldostéronisme primaire par hyperplasie bilatérale des surrénales. Etude à propos d'un cas et revue de littérature.
Ann Med Interne (Paris) 129(10):557–64, Oct 78 (50 ref.) (Eng. Abstr.) **(Fre)**
ADENOMA, complications/ ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLANDS, blood supply/ *ADRENAL GLANDS, pathology/ ADULT/ ALDOSTERONE, blood/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ *HYPERALDOSTERONISM, etiology/ HYPERALDOSTERONISM, radiography/ HYPERALDOSTERONISM, radionuclide imaging/ HYPERPLASIA/ MALE/ PHLEBOGRAPHY/ REVIEW

1516. **Herrera-Justiniano E, Galvez MD, Aznar AM, et al:** Changes in the plasma levels of androstenedione, dehydroepiandrosterone and cortisol after stimulation with ACTH and hCG and suppression with dexamethasone during male puberty. Acta Endocrinol (Copenh) 90(1):113–21, Jan 79
ADOLESCENCE/ ADRENAL GLANDS, drug effects/ *ANDROSTENEDIONE, blood/ COMPARATIVE STUDY/ *CORTICOTROPIN, pharmacodynamics/ *DEHYDROEPIANDROSTERONE, blood/ *DEXAMETHASONE, pharmacodynamics/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ *HYDROCORTISONE, blood/ MALE/ *PUBERTY/ RADIOIMMUNOASSAY/ TESTIS, drug effects

1517. **Herrera Pombo JL, Sanchez Martin JA, Galicia M, et al:** Función tiroidea en personas de edad sanas.
Rev Clin Esp 151(5):363–5, 15 Dec 78 (Eng. Abstr.) **(Spa)**
*AGED/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ THYROID FUNCTION TESTS/ *THYROID GLAND, physiology

1518. **Herrmann J, Opitz JM:** Syndrome delineation. 1. Malformations and dysplasias. Postgrad Med 65(1):207–10, 212, 214, Jan 79
*ABNORMALITIES/ ABNORMALITIES, DRUG-INDUCED/ ABNORMALITIES, MULTIPLE/ ABNORMALITIES, RADIATION-INDUCED/ ACHONDROPLASIA, familial & genetic/ ARTERIOVENOUS MALFORMATIONS/ BONE DISEASES, DEVELOPMENTAL/ CHROMOSOME ABNORMALITIES/ FETAL DISEASES, complications/ *HEREDITARY DISEASES/ HUMAN/ NEVUS, familial & genetic/ PIGMENTATION DISORDERS, familial & genetic/ PREGNANCY COMPLICATIONS, INFECTIOUS/ SYNDROME

1519. **Herrmann WM, Beach RC:** Experimental and clinical data indicating the psychotropic properties of progestogens.
Postgrad Med J 54(2):82–7, 1978 (33 ref.)
BEHAVIOR, drug effects/ *CENTRAL NERVOUS SYSTEM, drug effects/ CEREBRAL CORTEX, drug effects/ CLINICAL RESEARCH/ CYPROTERONE, pharmacodynamics/ DIAZEPAM, pharmacodynamics/ DOUBLE-BLIND METHOD/ ELECTROENCEPHALOGRAPHY/ FEMALE/ HUMAN/ MALE/ MENSTRUATION/ NORGESTREL, pharmacodynamics/ PREGNANCY/ *PROGESTATIONAL HORMONES, SYNTHETIC, pharmacodynamics/ REVIEW

1520. **Hervonen H, Rechardt L:** Histochemical demonstration of adenylate cyclase activity in the sympathetic ganglion of the chicken. Cell Mol Biol 23(3):233–40, 1978
*ADENYL CYCLASE, analysis/ ANIMAL/ CHICK EMBRYO/ *GANGLIA, AUTONOMIC, enzymology/ HISTOCYTOCHEMISTRY/ NEURONS, enzymology

1521. **Herzer P, Alföldy P, Müller J, et al:** Die photometrische Bestimmung der NBT-Reduktion als quantitative Methode zur Bestimmung der Granulocytenaktivität--Einfluss stimulierender und hemmender Substanz.
Verh Dtsch Ges Inn Med (84):138–41, 1978 **(Ger)**
GRANULOCYTES, immunology/ *NITROBLUE TETRAZOLIUM, metabolism/ *PHAGOCYTOSIS/ PHAGOCYTOSIS, drug effects/ PHENYLBUTAZONE, pharmacodynamics/ PHOTOMETRY/ PREDNISOLONE, pharmacodynamics/ PYRAZINOBUTAZONE, pharmacodynamics/ *TETRAZOLIUM SALTS, metabolism

1522. **Hesse V, Lauterbach H, Stoll W:** Vliv terapie kombinovanými preparáty hormonu štítné žlázy na hypothalamo-hypofyzární řídicí systém u dětí s onemocněním štítné žlázy.
Cesk Pediatr 33(11):664–6, Nov 78 (Eng. Abstr.) **(Cze)**
ADOLESCENCE/ ADULT/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ INFANT/ *THYROID DISEASES, drug therapy/ THYROID HORMONES, pharmacodynamics/ *THYROID HORMONES, therapeutic use

1523. **Hester RK, Weiss GB, Fry WJ:** Differing actions of nitroprusside and D-600 on tension and 45Ca fluxes in canine renal arteries. J Pharmacol Exp Ther 208(1):155–60, Jan 79
ANIMAL/ *BLOOD VESSELS, drug effects/ BLOOD VESSELS, metabolism/ *CALCIUM, metabolism/ *D 600, pharmacodynamics/ DOGS/ DRUG INTERACTIONS/ FEMALE/ *FERRICYANIDES, pharmacodynamics/ IN VITRO/ *IPROVERATRIL, analogs & derivatives/ MALE/ *MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, metabolism/ *NITROPRUSSIDE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ POTASSIUM, pharmacodynamics/ RENAL ARTERY, drug effects/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1524. **Hewitt AT, Elmer WA:** Developmental modulation of lectin-binding sites on the surface membranes of normal and brachypod mouse limb mesenchymal cells. Differentiation 10(1):31–8, 13 Jan 78
AGGLUTINATION/ ANIMAL/ *BONE AND BONES, abnormalities/ CELL AGGREGATION/ *CELL MEMBRANE, metabolism/ COMPARATIVE STUDY/ *EXTREMITIES, embryology/ EXTREMITIES, metabolism/ FEMALE/ GENOTYPE/ GESTATIONAL AGE/ *LECTINS/ MALE/ MICE/ PREGNANCY/ *RECEPTORS, CONCANAVALIN A, metabolism/ *RECEPTORS, DRUG, metabolism

1525. **Hewlett E, Spiegel A, Wolff J, et al:** Bordetella pertussis does not induce beta-adrenergic blockade. Infect Immun 22(2):430–4, Nov 78
ADENYL CYCLASE, metabolism/ *ADRENERGIC BETA RECEPTOR BLOCKADERS/ ANIMAL/ BLOOD SUGAR, metabolism/ EPINEPHRINE, pharmacodynamics/ INSULIN, secretion/ ISOPROTERENOL, pharmacodynamics/ MALE/ *PERTUSSIS VACCINE, pharmacodynamics/ RATS/ RETICULOCYTES, metabolism

1526. **Heyma P, Larkins RG, Stockigt JR, et al:** The formation of tri-iodothyronine and reverse tri-iodothyronine from thyroxine in isolated rat renal tubules. Clin Sci Mol Med 55(6):567–72, Dec 78
ANIMAL/ CARBIMAZOLE, pharmacodynamics/ IN VITRO/ KIDNEY TUBULES, drug effects/ *KIDNEY TUBULES, metabolism/ PROPYLTHIOURACIL, pharmacodynamics/ RATS/ *THYROXINE, metabolism/ TIME FACTORS/ *TRIIODOTHYRONINE, biosynthesis/ *TRIIODOTHYRONINE, REVERSE, biosynthesis

1527. **Hib J, Oscar P:** Effects of prostaglandins and indomethacin on rat epididymal responses to norepinephrine and acetylcholine. Arch Androl 1(1):43–7, 1978
*ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ *EPIDIDYMIS, drug effects/ EPIDIDYMIS, physiology/ *INDOMETHACIN, pharmacodynamics/ MALE/ MUSCLE CONTRACTION, drug effects/ *NOREPINEPHRINE, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1528. **Hicks MJ, Shigekawa M, Katz AM:** Mechanism by which cyclic adenosine 3':5'-monophosphate-dependent protein kinase stimulates calcium transport in cardiac sarcoplasmic reticulum. Circ Res 44(3):384–91, Mar 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ BINDING SITES/ BIOLOGICAL TRANSPORT/ BONE AND BONES, physiology/ *CALCIUM, metabolism/ DOGS/

*HEART, physiology/ PHOSPHORYLATION/ *PROTEIN KINASE, pharmacodynamics/ *SARCOPLASMIC RETICULUM, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1529. **Higgins SJ, Burchell JM, Parker MG, et al:** Effects of testosterone on sequence complexity of polyadenylated RNA from rat seminal vesicle. Eur J Biochem 91(2):327–34, 15 Nov 78
ANIMAL/ BASE SEQUENCE/ CASTRATION/ KINETICS/ MALE/ MOLECULAR WEIGHT/ MYELOBLASTOSIS VIRUS, AVIAN, enzymology/ NUCLEIC ACID HYBRIDIZATION/ *POLY A, biosynthesis/ RATS/ REVERSE TRANSCRIPTASE/ *RNA, MESSENGER, biosynthesis/ SEMINAL VESICLES, drug effects/ *SEMINAL VESICLES, metabolism/ *TESTOSTERONE, pharmacodynamics

1530. **Higgins TJ, Bailey PJ, Allsopp D:** The effects of endogenous catecholamine and pure alpha-and beta-adrenoceptor stimulation on myocardial glycogenolysis, lactate production and distribution. Biochem Pharmacol 27(24):2901–5, 1978
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADRENERGIC ALPHA RECEPTOR AGONISTS, pharmacodynamics/ *ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ ANIMAL/ CATECHOLAMINES, metabolism/ *CATECHOLAMINES, physiology/ *GLYCOGEN, metabolism/ IN VITRO/ *LACTATES, metabolism/ MALE/ *MYOCARDIUM, metabolism/ POTASSIUM, pharmacodynamics/ RATS

1531. **Hilden J:** Blødningsforstyrrelser—en kort praktisk oversigt. Nord Med 94(1):15–6, Jan 79 **(Dan)**
AMENORRHEA, drug therapy/ AMENORRHEA, etiology/ ATROPHY/ BODY WEIGHT/ CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES, adverse effects/ IRON, therapeutic use/ MENOPAUSE/ MENORRHAGIA, drug therapy/ MENORRHAGIA, etiology/ *MENSTRUATION DISORDERS/ MENSTRUATION DISORDERS, drug therapy/ MENSTRUATION DISORDERS, etiology/ MUCOUS MEMBRANE, pathology/ OLIGOMENORRHEA, drug therapy/ OLIGOMENORRHEA, etiology/ VAGINA, pathology/ VITAMIN K, therapeutic use

1532. **Hilderson HJ, De Wolf M, Van Dessel G, et al:** Further studies on peroxidase activities in bovine thyroid tissue [proceedings] Arch Int Physiol Biochim 86(4):864–5, Oct 78
ANIMAL/ CATTLE/ INTRACELLULAR MEMBRANES, enzymology/ *PEROXIDASES, metabolism/ *THYROID GLAND, enzymology/ THYROID GLAND, ultrastructure

1533. **Hilgard P, Hossfeld DK:** Transient bleomycin-induced thrombocytopenia. A clinical study. Eur J Cancer 14(11):1261–4, Nov 78
ADULT/ *BLEOMYCIN, adverse effects/ BLEOMYCIN, therapeutic use/ BLOOD CELL COUNT/ BLOOD COAGULATION TESTS/ BONE MARROW EXAMINATION/ DRUG THERAPY, COMBINATION/ FIBRINOGEN, analysis/ HUMAN/ MALE/ TESTICULAR NEOPLASMS, drug therapy/ *THROMBOPENIA, chemically induced/ VINBLASTINE, therapeutic use

1534. **Hill D, Entwisle B:** Atopic eczema and allergy in early childhood. Med J Aust 2(6 Suppl):7–8, 2 Dec 78
ADMINISTRATION, TOPICAL/ *AUTOIMMUNE DISEASES, etiology/ AUTOIMMUNE DISEASES, familial & genetic/ BETAMETHASONE, administration & dosage/ DIET/ *ECZEMA, etiology/ ECZEMA, prevention & control/ ECZEMA, therapy/ HUMAN/ HYDROCORTISONE, TOPICAL, administration & dosage/ IGE, immunology/ INFANT/ *SKIN, immunology

1535. **Hill D, Connelly D, Vorath J:** Beclomethasone dipropionate aerosol in the treatment of children with severe perennial rhinitis. Med J Aust 2(13):603–4, 16 Dec 78
ADMINISTRATION, INTRANASAL/ ADOLESCENCE/ AEROSOLS/ *BECLOMETHASONE, administration & dosage/ CHILD/ CHRONIC DISEASE/ CLINICAL RESEARCH/ DOUBLE-BLIND METHOD/ DRUG EVALUATION/ FEMALE/ *HAY FEVER, drug therapy/ HUMAN/ MALE/ PLACEBOS

1536. **Hillier K:** Prostaglandins and thromboxanes: pharmacologic and biosynthetic aspects. Semin Perinatol 2(3):187–210, Jul 78 (110 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ ARACHIDONIC ACIDS, metabolism/ CHEMISTRY/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ HUMAN/ METHODS/ PROSTAGLANDIN ANTAGONISTS/ PROSTAGLANDINS F, metabolism/ *PROSTAGLANDINS/ PROSTAGLANDINS, analysis/ PROSTAGLANDINS, biosynthesis/ RECEPTORS, PROSTAGLANDIN/ REVIEW/ *THROMBOXANES/ THROMBOXANES, antagonists & inhibitors/ THROMBOXANES, biosynthesis

1537. **Himathongkam T, Kaojarern S:** Primary aldosteronism, a review. J Med Assoc Thai 62(2):74–82, Feb 79
ALDOSTERONE, biosynthesis/ ALDOSTERONE, physiology/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM, diagnosis/ HYPERALDOSTERONISM, physiopathology/ MALE

1538. **Hindman HB, Knox WE:** Guanase in reticulocytes and other rat tissues. Enzyme 23(6):395–403, 1978
*AMINOHYDROLASES, metabolism/ ANIMAL/ FEMALE/ FETUS, enzymology/ GUANINE DEAMINASE, blood/ *GUANINE DEAMINASE, metabolism/ LACTATION/ MAMMAE, enzymology/ NEOPLASMS, EXPERIMENTAL, enzymology/ PREGNANCY/ RATS/ *RETICULOCYTES, enzymology/ TISSUE DISTRIBUTION/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1539. **Hinghofer-Szalkay H:** Dynamik und Quantifizierung des Kohlenhydrat-Metabolismus. Wien Med Wochenschr 129(1):1–8, 15 Jan 79 **(Ger)**
*CARBOHYDRATES, metabolism/ CATECHOLAMINES, physiology/ DIETARY CARBOHYDRATES, metabolism/ ENERGY METABOLISM/ GLUCAGON, physiology/ GLUCOCORTICOIDS, physiology/ GLUCOSE, metabolism/ GLYCOGEN, metabolism/ HUMAN/ INSULIN, physiology/ NUTRITION/ THYROID HORMONES, physiology

1540. **Hino N, Fukuiya Y, Kawato M, et al:** [A case of hyperthyroidism with pancytopenia and the etiological study of its haematological disorders (author's transl)] Rinsho Ketsueki 19(11):1523–30, Nov 78 (Eng. Abstr.) **(Jpn)**
CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, complications/ MIDDLE AGE/ *PANCYTOPENIA, etiology

1541. **Hinton BT, Setchell BP:** Fluid movement in the seminiferous tubules and the epididymal duct of the rat [proceedings] J Physiol (Lond) 284:16P–17P, Nov 78
ANIMAL/ BODY FLUIDS, physiology/ *EPIDIDYMIS, physiology/ MALE/ MOVEMENT/ MUSCLE CONTRACTION/ MUSCLE, SMOOTH, physiology/ RATS/ *SEMINIFEROUS EPITHELIUM, physiology/ *TESTIS, physiology

1542. **Hirano T, Kobayashi S:** The effects of hypophysectomy on the uptake and distribution of 3H-dopamine in the mouse adrenal medulla: an autoradiographic study. Arch Histol Jpn 41(5):401–10, Nov 78
ADRENAL MEDULLA, cytology/ *ADRENAL MEDULLA, metabolism/ ANIMAL/ AUTORADIOGRAPHY/ BODY WEIGHT/ CHROMAFFIN SYSTEM, metabolism/ CORTICOTROPIN, pharmacodynamics/ *DOPAMINE, metabolism/ EPINEPHRINE, analysis/ *HYPOPHYSECTOMY/ MALE/ MICE/ NOREPINEPHRINE, analysis/ TISSUE DISTRIBUTION

1543. **Hirschelmann R, Bekemeier H, Stelzner A:** Influence of counter-irritation by carrageenin on inflammatory reactions induced by prostaglandins, serotonin, histamine, compound 48/80, carrageenin and Freund's complete adjuvant. Acta Biol Med Ger 37(5–6):913–5, 1976
ANIMAL/ *CAPILLARY PERMEABILITY, drug effects/ *CARRAGEENAN, pharmacodynamics/ *COMPOUND 48–80, pharmacodynamics/ EDEMA, chemically induced/ EDEMA, physiopathology/ FEMALE/ *FREUND'S ADJUVANT,

pharmacodynamics/ *HISTAMINE, pharmacodynamics/ *PROSTAGLANDINS D, pharmacodynamics/ *PROSTAGLANDINS E, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ *SEROTONIN, pharmacodynamics

1544. **Hirshowitz B, Moscona R, Dvir E, et al:** A new polymer-iodine combination (iodoplex) for treatment of donor sites: a preliminary controlled study. Ann Plast Surg 2(1):84–8, Jan 79
ADOLESCENCE/ ADULT/ AGED/ BANDAGES/ CHILD/ FEMALE/ HUMAN/ IODINE, pharmacodynamics/ *IODINE, therapeutic use/ MALE/ MIDDLE AGE/ POLYMERS, pharmacodynamics/ *SKIN, transplantation/ *WOUND HEALING, drug effects

1545. **Hirst BH, Lund PK, Reed JD, et al:** Effects of a combined oestrogen–progestin preparation on gastric acid and pepsin secretion, serum gastrin concentration and biliary secretion of bile acids, phospholipids, and cholesterol in the cat. Br J Pharmacol 65(1):87–95, Jan 79
ANIMAL/ BILE ACIDS AND SALTS, metabolism/ BILE, drug effects/ *BILE, metabolism/ CATS/ CHOLESTEROL, metabolism/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ *CONTRACEPTIVES, ORAL, COMBINED, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ GASTRIC JUICE, secretion/ GASTRIC MUCOSA, drug effects/ *GASTRIC MUCOSA, secretion/ *GASTRINS, blood/ NORETHINDRONE, pharmacodynamics/ PEPSIN, secretion/ PHOSPHOLIPIDS, metabolism

1546. **Hiwatashi A, Ichikawa Y:** Crystalline reduced nicotinamide adenine dinucleotide phosphate–adrenodoxin reductase from pig adrenocortical mitochondria. Essential histidyl and cysteinyl residues of the NADPH-binding site and environment of the adrenodoxin-binding site. J Biochem (Tokyo) 84(5):1071–86, Nov 78
*ADRENAL CORTEX, enzymology/ *ADRENODOXIN, metabolism/ ANIMAL/ BINDING SITES/ CATTLE/ *CYSTEINE/ DIETHYL PYROCARBONATE, pharmacodynamics/ FERREDOXIN-NADP REDUCTASE, immunology/ *FERREDOXIN-NADP REDUCTASE, metabolism/ FERREDOXINS, pharmacodynamics/ *HISTIDINE/ *MITOCHONDRIA, enzymology/ *NADH, NADPH OXIDOREDUCTASES, metabolism/ *NADP, metabolism/ SULFHYDRYL REAGENTS, pharmacodynamics/ SWINE

1547. **Hníková O, Kračmar P, Subrt I:** Naše zkušenosti s léčbou hypofyzárního nanismu. Cesk Pediatr 33(10):591–3, Oct 78 (Eng. Abstr.) **(Cze)**
ADOLESCENCE/ ADRENAL CORTEX HORMONES, administration & dosage/ ADULT/ CHILD/ CHILD, PRESCHOOL/ DRUG THERAPY, COMBINATION/ *DWARFISM, PITUITARY, drug therapy/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *SOMATOTROPIN, administration & dosage/ THYROID HORMONES, administration & dosage

1548. **Höbel M, Kreye VA, Pill J:** Effect of sodium nitroprusside alone and in combination with sodium thiosulfate on the acid–base balance, and on thiocyanate and iron plasma levels in the rabbit. Klin Wochenschr 56 Suppl 1:147–52, 1978
*ACID-BASE EQUILIBRIUM, drug effects/ ANIMAL/ ANTIDOTES/ *FERRICYANIDES, pharmacodynamics/ *IRON, blood/ MALE/ NITROPRUSSIDE, administration & dosage/ *NITROPRUSSIDE, pharmacodynamics/ NITROPRUSSIDE, poisoning/ RABBITS/ *THIOCYANATES, blood/ THIOSULFATES, administration & dosage/ *THIOSULFATES, pharmacodynamics

1549. **Hoefnagels WH, Drayer JI, Hofman JA, et al:** Evidence for an unidentified, adrenocorticotrophic hormone-dependent mineralocorticoid maintaining hypertension in young women with hypoaldosteronism. Clin Sci Mol Med 55 Suppl 4:271s–274s, Dec 78
ADULT/ *ALDOSTERONE, deficiency/ BODY WEIGHT, drug effects/ *DEXAMETHASONE, therapeutic use/ FEMALE/ HUMAN/ HYPERTENSION, complications/ *HYPERTENSION, drug therapy/ HYPOKALEMIA, complications/ RENIN, blood

1550. **Hofbauer KG, Konrads A, Schwarz K, et al:** Role of cyclic AMP in the regulation of renin release from the isolated perfused rat kidney. Klin Wochenschr 56 Suppl 1:51–9, 1978
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ GLOMERULAR FILTRATION RATE/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, analogs & derivatives/ ISOPROTERENOL, pharmacodynamics/ KIDNEY, physiology/ *KIDNEY, secretion/ MALE/ RATS/ *RENIN, secretion/ SODIUM, urine/ 1-METHYL-3-ISOBUTYLXANTHINE, pharmacodynamics

1551. **Hofeldt AJ, Zaret CR, Jakobiec FA, et al:** Orbitofacial angiomatosis. Arch Ophthalmol 97(3):484–8, Mar 79
*ANGIOMATOSIS, complications/ ANGIOMATOSIS, pathology/ ANGIOMATOSIS, surgery/ CASE REPORT/ EXOPHTHALMOS, complications/ *FACIAL NEOPLASMS, complications/ GLAUCOMA, complications/ *HEMANGIOMA, complications/ HUMAN/ INFANT, NEWBORN/ MALE/ MIDDLE AGE/ ORBIT, radiography/ *ORBITAL NEOPLASMS, complications/ ORBITAL NEOPLASMS, pathology/ ORBITAL NEOPLASMS, surgery/ TOMOGRAPHY, COMPUTERIZED AXIAL

1552. **Hofer B, Triller J, Haertel M:** Sonographisch–phlebographische Diagnostik der Nebenniere. ROEFO 129(6):686–91, Dec 78 (Eng. Abstr.) **(Ger)**
ADOLESCENCE/ *ADRENAL GLAND DISEASES, diagnosis/ ADRENAL GLAND DISEASES, radiography/ ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, radiography/ ADULT/ AGED/ CHILD/ COMPARATIVE STUDY/ CUSHING'S SYNDROME, diagnosis/ CUSHING'S SYNDROME, radiography/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, diagnosis/ HYPERALDOSTERONISM, radiography/ MALE/ MIDDLE AGE/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, diagnosis/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, radiography/ PHEOCHROMOCYTOMA, diagnosis/ PHEOCHROMOCYTOMA, radiography/ *PHLEBOGRAPHY/ *ULTRASONICS, diagnostic use

1553. **Höffken G, Lode H, Koeppe P, et al:** Der Einfluss von Prednisolon auf die Amoxicellinresorption. Verh Dtsch Ges Inn Med (84):967–8, 1978 **(Ger)**
ADULT/ *AMOXICILLIN, metabolism/ *AMPICILLIN, analogs & derivatives/ DRUG INTERACTIONS/ FEMALE/ HUMAN/ *INTESTINAL ABSORPTION, drug effects/ MALE/ MIDDLE AGE/ *PREDNISOLONE, pharmacodynamics

1554. **Hoffman GE, Knigge KM, Moynihan JA, et al:** Neuronal fields containing luteinizing hormone releasing hormone (LHRH) in mouse brain. Neuroscience 3(2):219–31, 1978
ANIMAL/ BRAIN MAPPING/ *HYPOTHALAMUS, metabolism/ IMMUNOENZYME TECHNICS/ *LH-FSH RELEASING HORMONE, metabolism/ MICE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1555. **Hoffman GS:** Polyarthritis: the differential diagnosis of rheumatoid arthritis. Semin Arthritis Rheum 8(2):115–41, Nov 78 (154 ref.)
ADOLESCENCE/ ADULT/ AGED/ ARTHRITIS, INFECTIOUS, diagnosis/ *ARTHRITIS, RHEUMATOID, diagnosis/ BEHCET'S SYNDROME, diagnosis/ CHILD/ CHILD, PRESCHOOL/ COLITIS, ULCERATIVE, diagnosis/ COLLAGEN DISEASES, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ ENDOCARDITIS, BACTERIAL, diagnosis/ ENDOCRINE DISEASES, diagnosis/ ENTERITIS, REGIONAL, diagnosis/ FEMALE/ GOUT, diagnosis/ HUMAN/ MALE/ MIDDLE AGE/ MULTIPLE MYELOMA, diagnosis/ NEOPLASMS, diagnosis/ OSTEOARTHRITIS, diagnosis/ OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC, diagnosis/ REITER'S DISEASE, diagnosis/ REVIEW/ SARCOIDOSIS, diagnosis

1556. **Hoffman WE:** Central cardiovascular and antidiuretic action of adrenergic drugs. Neuropharmacology 18(1):7–12, Jan 79
ANGIOTENSIN II, pharmacodynamics/ ANIMAL/

BLOOD PRESSURE, drug effects/ CLONIDINE, pharmacodynamics/ HEART RATE, drug effects/ *HEMODYNAMICS, drug effects/ MALE/ NOREPINEPHRINE, pharmacodynamics/ RATS/ *SYMPATHOMIMETICS, pharmacodynamics/ *VASOPRESSINS, metabolism

1557. **Hoffmann FM:** Solubilization and reconstitution of dopamine-sensitive adenylate cyclase from bovine caudate nucleus. J Biol Chem 254(2):255–8, 25 Jan 79
ADENYL CYCLASE, isolation & purification/ *ADENYL CYCLASE, metabolism/ ANIMAL/ CATTLE/ *CAUDATE NUCLEUS, enzymology/ CHOLIC ACIDS/ *DOPAMINE, pharmacodynamics/ GUANYLYL IMIDODIPHOSPHATE, pharmacodynamics/ KINETICS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1558. **Hoffmann JC:** Effects of adrenalectomy and constant light on the rat estrous cycle. Neuroendocrinology 27(5–6):247–56, 1978
*ADRENALECTOMY/ ANIMAL/ DARKNESS/ *ESTRUS/ FEMALE/ *LIGHT/ OVARY, physiology/ PERIODICITY/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1559. **Hoffmann P, Taube C, Pönicke K, et al:** Influence of linoleic acid content of the diet on arterial pressure of salt loaded rats. I. Effects on prostaglandin metabolism and sympathetic nervous system. Acta Biol Med Ger 37(5–6):863–7, 1976
ANIMAL/ AORTA, drug effects/ AORTA, metabolism/ *BLOOD PRESSURE, drug effects/ *DIETARY FATS/ INDOMETHACIN, pharmacodynamics/ KIDNEY, drug effects/ KIDNEY, metabolism/ *LINOLEIC ACIDS, pharmacodynamics/ MALE/ *PROSTAGLANDINS, metabolism/ RATS/ *SODIUM CHLORIDE, pharmacodynamics

1560. **Hoffmann P, Block HU, Förster W:** Influence of the selective prostaglandin biosynthesis inhibitor, gold, on the arterial pressure of normotensive and spontaneously hypertensive rats. Acta Biol Med Ger 37(5–6):887–8, 1976
ANIMAL/ *BLOOD PRESSURE, drug effects/ *GOLD, pharmacodynamics/ *HYPERTENSION, physiopathology/ INDOMETHACIN, pharmacodynamics/ KIDNEY MEDULLA, drug effects/ KIDNEY MEDULLA, metabolism/ PROSTAGLANDINS E, biosynthesis/ PROSTAGLANDINS F, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ RATS/ THIOSULFATES, pharmacodynamics

1561. **Hofman KJ, Milne FJ, Schmidt C:** Acne, hypervitaminosis A and hypercalcaemia. A case report. S Afr Med J 54(14):579–80, 30 Sep 78
ACNE, drug therapy/ ADOLESCENCE/ CASE REPORT/ HUMAN/ *HYPERCALCEMIA, complications/ MALE/ ORTHOMOLECULAR THERAPY, adverse effects/ *VITAMIN A, adverse effects/ VITAMIN A, therapeutic use

1562. **Hofmann M, Tonon GC, Spano PF, et al:** Mechanisms of dihydroergotoxine's effect on prolactin release. J Pharm Pharmacol 31(1):42–4, Jan 79
ANIMAL/ CORPUS STRIATUM, metabolism/ DIHYDROERGOTOXINE, administration & dosage/ *DIHYDROERGOTOXINE, pharmacodynamics/ DOPAMINE, metabolism/ HOMOVANILLIC ACID, metabolism/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, INTRAVENTRICULAR/ MALE/ PROLACTIN, blood/ *PROLACTIN, metabolism/ RATS/ TIME FACTORS/ 3,4-DIHYDROXYPHENYLACETIC ACID, metabolism

1563. **Hofmann S:** Altersspezifische Besonderheiten der Nebennierentumoren beim Kind. Acta Paediatr Acad Sci Hung 19(3):253–62, 1978 **(Ger)**
ADRENAL GLAND DISEASES, diagnosis/ *ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENOGENITAL SYNDROME, diagnosis/ AGE FACTORS/ CASE REPORT/ CHILD/ CUSHING'S SYNDROME, diagnosis/ CYSTS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ INFANT/ MALE/ NELSON SYNDROME, diagnosis/ PHEOCHROMOCYTOMA, diagnosis

1564. **Hohenfellner R:** Einseitige Hodenatrophie. Dtsch Med Wochenschr 104(4):126, 26 Jan 79 **(Ger)**
ATROPHY/ HUMAN/ MALE/ ORCHITIS, complications/ *TESTICULAR DISEASES, etiology/ TESTIS, pathology

1565. **Hohlfeld M, Butenandt I:** Gerbungsbehandlung von Verbrennungen im Kindesalter unter Verwendung von Polyvidon-Jod. MMW 121(5):181–4, 2 Feb 79 (Eng. Abstr.) **(Ger)**
ADMINISTRATION, TOPICAL/ ADOLESCENCE/ *BURNS, drug therapy/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ HUMAN/ INFANT/ IODINE, administration & dosage/ *IODINE, therapeutic use/ MERBROMINE, therapeutic use/ POLYVINYLPYRROLIDONE, administration & dosage/ *POLYVINYLPYRROLIDONE, therapeutic use/ WOUND INFECTION, prevention & control

1566. **Holaday JW, Law PY, Loh HH, et al:** Adrenal steroids indirectly modulate morphine and beta-endorphin effects. J Pharmacol Exp Ther 208(2):176–83, Feb 79
*ADRENAL CORTEX HORMONES, physiology/ ADRENALECTOMY/ ANALGESICS/ ANIMAL/ CYCLOHEXIMIDE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ DRUG INTERACTIONS/ *ENDORPHINS, pharmacodynamics/ MALE/ MORPHINE, metabolism/ *MORPHINE, pharmacodynamics/ PROADIFEN, pharmacodynamics/ RATS/ REACTION TIME, drug effects/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1567. **Holliday MA, Chantler C:** Metabolic and nutritional factors in children with renal insufficiency. Kidney Int 14(4):306–12, Oct 78 (78 ref.)
BODY COMPOSITION/ CHILD NUTRITION/ CHILD/ ENERGY METABOLISM/ FATTY ACIDS, NONESTERIFIED, metabolism/ FEMALE/ HUMAN/ *KIDNEY FAILURE, CHRONIC, metabolism/ MALE/ PROTEIN DEFICIENCY, metabolism/ PROTEINS, metabolism/ REVIEW/ SOMATOTROPIN, blood/ TRIGLYCERIDES, blood/ UREMIA, metabolism

1568. **Hollister AS, Breese GR, Mueller RA:** Role of monoamine neural systems in L-dihydroxyphenylalanine-stimulated activity. J Pharmacol Exp Ther 208(1):37–43, Jan 79
ANIMAL/ APOMORPHINE, pharmacodynamics/ *BIOGENIC AMINES, physiology/ BRAIN, metabolism/ CARBOXY-LYASES, antagonists & inhibitors/ CATECHOLAMINES, physiology/ DOPAMINE BETA-HYDROXYLASE, antagonists & inhibitors/ DOPAMINE, physiology/ HYDROXYDOPAMINE, pharmacodynamics/ *LEVODOPA, pharmacodynamics/ MALE/ *MOTOR ACTIVITY, drug effects/ RATS/ SEROTONIN, physiology/ TRYPTOPHAN HYDROXYLASE, antagonists & inhibitors/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 5,7-DIHYDROXYTRYPTAMINE, pharmacodynamics

1569. **Holló I:** Dr. Koref Oszkár 1897–1978. Orv Hetil 120(1):39, 7 Jan 79 **(Hun)**
CURRENT BIOG-OBIT/ ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUNGARY

1570. **Holló I, Szalay F, Steczek K, et al:** Effect of intravenous calcium load on the serum calcium level in postmenopausal osteoporosis (a study of the pathogenesis, and diagnostic use of the test). Acta Med Acad Sci Hung 35(1):53–9, 1978
*CALCIUM, blood/ *CALCIUM, diagnostic use/ DECANOATES, pharmacodynamics/ DEHYDROEPIANDROSTERONE, pharmacodynamics/ FEMALE/ HUMAN/ *MENOPAUSE/ NANDROLONE, analogs & derivatives/ NANDROLONE, pharmacodynamics/ *OSTEOPOROSIS, blood/ OSTEOPOROSIS, diagnosis/ OSTEOPOROSIS, etiology

1571. **Hollwich F:** Zur Diagnose und Therapie des Posner-Schlossman-Syndroms. Ber Zusammenkunft Dtsch Ophthalmol Ges (75):364–6, 1978 (Eng. Abstr.) **(Ger)**
ACETAZOLAMIDE, therapeutic use/ CORTISONE, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ GLAUCOMA, complications/ *GLAUCOMA, diagnosis/ GLAUCOMA, drug therapy/ HUMAN/ IRIDOCYCLITIS, complications/ *IRIDOCYCLITIS,

diagnosis/ IRIDOCYCLITIS, drug therapy/ IRITIS, diagnosis/ SYNDROME

1572. **Holmes RP, Stewart PR:** The isolation of coupled mitochondria from Physarum polycephalum and their response to Ca2+. Biochim Biophys Acta 545(1):94–105, 11 Jan 79
BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, metabolism/ *CALCIUM, pharmacodynamics/ ELECTRON TRANSPORT/ KINETICS/ MITOCHONDRIA, drug effects/ *MITOCHONDRIA, metabolism/ OXIDATIVE PHOSPHORYLATION, drug effects/ OXYGEN CONSUMPTION, drug effects/ PHYSARUM, drug effects/ *PHYSARUM, metabolism

1573. **Holmgren PA, Stigbrand T:** Catalytic properties and stability of three common variants of placental alkaline phosphatase. Biochem Genet 16(5–6):433–42, Jun 78
*ALKALINE PHOSPHATASE, genetics/ ALKALINE PHOSPHATASE, metabolism/ DEPRESSION, CHEMICAL/ FEMALE/ HEAT/ HUMAN/ HYDROGEN-ION CONCENTRATION/ KINETICS/ LEUCINE, pharmacodynamics/ PHENYLALANINE, pharmacodynamics/ *PLACENTA, enzymology/ SUBSTRATE SPECIFICITY/ *VARIATION (GENETICS)

1574. **Holness RO, Hoffman HJ, Mancer K, et al:** Intracranial teratocarcinoma in a child with anterior sacral and intrasacral meningocele. Neurosurgery 2(2):143–7, Mar–Apr 78
*BRAIN NEOPLASMS, complications/ BRAIN NEOPLASMS, surgery/ BRAIN NEOPLASMS, therapy/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ DIABETES INSIPIDUS, complications/ HEMIANOPSIA, complications/ HUMAN/ HYPOPITUITARISM, complications/ MALE/ *MENINGOCELE, complications/ MENINGOCELE, radiography/ MENINGOCELE, surgery/ PELVIS/ PYELONEPHRITIS, complications/ SACROCOCCYGEAL REGION/ *SELLA TURCICA/ *TERATOID TUMOR, complications/ TERATOID TUMOR, surgery/ TERATOID TUMOR, therapy

1575. **Holt JA, Caputo TA, Kelly KM, et al:** Estrogen and progestin binding in cytosols of ovarian adenocarcinomas. Obstet Gynecol 53(1):50–8, Jan 79
ADENOCARCINOMA, metabolism/ *ADENOCARCINOMA, ultrastructure/ ANIMAL/ *CYTOSOL, metabolism/ DIETHYLSTILBESTROL, pharmacodynamics/ *ESTROGENS, metabolism/ FEMALE/ HUMAN/ NEOPLASM METASTASIS/ NEOPLASM RECURRENCE, LOCAL, metabolism/ NEOPLASM RECURRENCE, LOCAL, ultrastructure/ OVARIAN NEOPLASMS, metabolism/ *OVARIAN NEOPLASMS, ultrastructure/ *PROGESTATIONAL HORMONES, metabolism/ RABBITS/ RECEPTORS, ESTROGEN, metabolism/ RECEPTORS, PROGESTERONE, metabolism/ TAMOXIFEN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1576. **Holtrop ME, Raisz LG, King GJ:** The response of osteoclasts to prostaglandin and osteoclast activating factor as measured by ultrastructural morphometry. pp. 13–20. In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.
ANIMAL/ CELL NUCLEUS, drug effects/ CELL NUCLEUS, physiology/ CELLS, CULTURED/ FETUS/ *LYMPHOKINES, pharmacodynamics/ MONOGRAPH/ OSTEOCLASTS, drug effects/ *OSTEOCLASTS, physiology/ OSTEOCLASTS, ultrastructure/ PARATHYROID HORMONE, pharmacodynamics/ *PROSTAGLANDINS E, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1577. **Holz RW:** Evidence that catecholamine transport into chromaffin vesicles is coupled to vesicle membrane potential. Proc Natl Acad Sci USA 75(10):5190–4, Oct 78
ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL/ ATRACTYLOSIDE, pharmacodynamics/ BIOLOGICAL TRANSPORT/ CARBONYL CYANIDE P-TRIFLUOROMETHOXYPHENYLHYDRAZONE pharmacodynamics/ *CATECHOLAMINES, metabolism/ CATTLE/ *CHROMAFFIN GRANULES, metabolism/ *CHROMAFFIN SYSTEM, metabolism/ ETHYLMALEIMIDE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ MAGNESIUM, pharmacodynamics/ *MEMBRANE POTENTIALS/ METHYLAMINES, metabolism

1578. **Holzbauer M, Sharman DF, Godden U:** Observations on the function of the dopaminergic nerves innervating the pituitary gland. Neuroscience 3(12):1251–62, 1978
ADRENALECTOMY/ ANIMAL/ CATECHOLAMINES, analysis/ COMPARATIVE STUDY/ *DOPAMINE, physiology/ ESTRADIOL, pharmacodynamics/ FEMALE/ GOATS/ GUINEA PIGS/ HYPOTHALAMUS, analysis/ LACTATION/ MALE/ METHYLTYROSINES, pharmacodynamics/ PITUITARY GLAND, analysis/ *PITUITARY GLAND, innervation/ PITUITARY GLAND, secretion/ PROGESTERONE, pharmacodynamics/ RABBITS/ RATS/ SHEEP/ SPECIES SPECIFICITY/ SWINE/ WATER DEPRIVATION

1579. **Holzwarth MA, Dallman MF:** The effect of hypothalamic hemi-islands on compensatory adrenal growth. Brain Res 162(1):33–43, 16 Feb 79
*ADRENAL GLANDS, growth & development/ ADRENAL GLANDS, innervation/ ADRENALECTOMY/ ANIMAL/ CORTICOSTERONE, blood/ CORTICOTROPIN, blood/ DENERVATION/ DOMINANCE, CEREBRAL/ *HYPOTHALAMUS, physiology/ *HYPOTHALAMUS, MEDIAL, physiology/ MALE/ NEURAL INHIBITION/ NEURAL PATHWAYS, physiology/ ORGAN WEIGHT/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1580. **Homonnai ZT, Fainman N, Paz G, et al:** The effect of a combination of prostatic massage and antibiotic plus anticongestive drugs on human semen quality and fertility. Andrologia 11(1):71–6, Jan 79
ADULT/ *ANTIBIOTICS, therapeutic use/ CALCIUM, metabolism/ FRUCTOSE, metabolism/ HUMAN/ MALE/ *MASSAGE/ PROSTATITIS, drug therapy/ *PROSTATITIS, therapy/ *SEMEN, drug effects/ SEMEN, metabolism/ STERILITY, MALE, drug therapy/ *STERILITY, MALE, therapy/ *VASODILATOR AGENTS, therapeutic use

1581. **Honn KV, Chavin W:** In vitro tropic action of ACTH upon adrenocortical cyclic nucleotide (cAMP, cGMP) production and corticosterone output in blue (Prionace glauca Linnaeus) and in mako (Isurus oxyrinchus Rafinesque) sharks. Gen Comp Endocrinol 36(1):161–9, Sep 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADRENAL CORTEX, metabolism/ ANIMAL/ COMPARATIVE STUDY/ *CORTICOSTERONE, metabolism/ *CORTICOTROPIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *SHARKS, metabolism/ THEOPHYLLINE, pharmacodynamics

1582. **Honoré LH:** Tubal ectopic pregnancy with contralateral corpus luteum: a report of five cases. J Reprod Med 21(4):269–71, Oct 78
ADULT/ CASE REPORT/ *CORPUS LUTEUM/ FEMALE/ HUMAN/ OVUM TRANSPORT/ PREGNANCY/ *PREGNANCY, TUBAL, etiology/ PREGNANCY, TUBAL, pathology/ PREGNANCY, TUBAL, physiopathology

1583. **Hopkins CR, Walker AM:** Calcium as a second messenger in the stimulation of luteinizing hormone secretion. Mol Cell Endocrinol 12(2):189–208, Nov 78
A-23187, pharmacodynamics/ ANIMAL/ *CALCIUM, pharmacodynamics/ CASTRATION/ CELLS, CULTURED/ EGTA, pharmacodynamics/ IPROVERATRIL, pharmacodynamics/ *LH, secretion/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ PITUITARY GLAND, ANTERIOR, drug effects/ *PITUITARY GLAND, ANTERIOR, secretion/ POTASSIUM, pharmacodynamics/ SWINE

1584. **Hopkins NK, Sun FF, Gorman RR:** Thromboxane A2 biosynthesis in human lung fibroblasts WI-38. Biochem Biophys Res Commun 85(2):827–36, 29 Nov 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ CELL LINE/ HUMAN/ KINETICS/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS H, metabolism/

PROSTAGLANDINS H, pharmacodynamics/ PROSTAGLANDINS X, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ *THROMBOXANE A2, biosynthesis/ *THROMBOXANES, biosynthesis

1585. **Horai T, Nishihara H, Hattori S, et al:** Malignant melanoma producing serotonin. Cancer 43(1):294–8, Jan 79
ADULT/ CASE REPORT/ *HORMONES, ECTOPIC, biosynthesis/ HUMAN/ LUNG NEOPLASMS, etiology/ *LUNG NEOPLASMS, metabolism/ LUNG NEOPLASMS, pathology/ MALE/ MELANOMA, etiology/ *MELANOMA, metabolism/ MELANOMA, pathology/ NEOPLASM METASTASIS, metabolism/ *SEROTONIN, biosynthesis/ TRYPTOPHAN HYDROXYLASE, metabolism

1586. **Hori Y, Tamai S, Okuda H, et al:** Blood vessel transplantation to bone. J Hand Surg 4(1):23–33, Jan 79
ADULT/ ANIMAL/ ARTERIES, transplantation/ ARTERIOVENOUS ANASTOMOSIS/ *BLOOD VESSELS, transplantation/ BONE AND BONES, blood supply/ BONE AND BONES, pathology/ *BONE AND BONES, surgery/ CASE REPORT/ DOGS/ HAND, surgery/ HUMAN/ MALE/ MIDDLE AGE/ NECROSIS/ OSTEOCHONDRITIS, surgery/ TRANSPLANTATION, AUTOLOGOUS/ VEINS, transplantation

1587. **Horne CH, Towler CM:** Pregnancy-specific beta1-glycoprotein: a review. Obstet Gynecol Surv 33(12):761–8, Dec 78 (54 ref.)
BETA GLOBULINS, isolation & purification/ *BETA GLOBULINS, metabolism/ BETA GLOBULINS, physiology/ CHEMISTRY, PHYSICAL/ FEMALE/ GESTATIONAL AGE/ *GLYCOPROTEINS, blood/ GLYCOPROTEINS, isolation & purification/ GLYCOPROTEINS, physiology/ HUMAN/ NEOPLASM PROTEINS, blood/ *PREGNANCY/ REVIEW/ TROPHOBLASTIC TUMOR, blood/ UTERINE NEOPLASMS, blood

1588. **Horodniceanu C, Grünebaum M, Volovitz B, et al:** Unusual bone involvement in congenital syphilis mimicking the battered child syndrome. Pediatr Radiol 7(4):232–4, 4 Dec 78
*BATTERED CHILD SYNDROME/ BONE AND BONES, radiography/ *BONE DISEASES, etiology/ BONE DISEASES, radiography/ CASE REPORT/ *CHILD ABUSE/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ INFANT/ *SYPHILIS, CONGENITAL, complications/ SYPHILIS, CONGENITAL, radiography

1589. **Horowitz AJ:** Midtrimester abortion utilizing intraamniotic prostaglandin F2alpha, laminaria and oxytocin. J Reprod Med 21(4):236–40, Oct 78
ABORTION, INDUCED, adverse effects/ *ABORTION, INDUCED, methods/ ADOLESCENCE/ ADULT/ FEMALE/ FEVER, etiology/ HUMAN/ *OXYTOCIN, pharmacodynamics/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY/ *PROSTAGLANDINS F, pharmacodynamics/ *SEAWEED/ TIME FACTORS

1590. **Horrobin DF:** Dopamine supersensitivity, endorphin excess, and prostaglandin E1 deficiency: three aspects of the same schizophrenic elephant. Schizophr Bull 4(4):487–8, 1978
BLOOD PLATELETS, metabolism/ BRAIN, metabolism/ *DOPAMINE, metabolism/ *ENDORPHINS, metabolism/ HUMAN/ PROLACTIN, metabolism/ *PROSTAGLANDINS E, deficiency/ RECEPTORS, DOPAMINE, drug effects/ *RECEPTORS, DOPAMINE, metabolism/ SCHIZOPHRENIA, drug therapy/ *SCHIZOPHRENIA, metabolism

1591. **Horst RL, Jorgensen NA, DeLuca HF:** Plasma 1,25-dihydroxyvitamin D and parathyroid hormone levels in paretic dairy cows. Am J Physiol 235(6):E634–7, Dec 78
AGE FACTORS/ ANIMAL/ CALCIUM, blood/ CATTLE/ *DIHYDROXYCHOLECALCIFEROLS, blood/ FEMALE/ *HYDROXYCHOLECALCIFEROLS, blood/ HYPOCALCEMIA/ *PARATHYROID HORMONE, blood/ *PARTURIENT PARESIS, blood/ POTASSIUM, blood

1592. **Horster FA:** Diagnose der Hyperthyreose. Langenbecks Arch Chir 347:125–30, Nov 78 (Eng. Abstr.) **(Ger)**
ENGLISH ABSTRACT/ *GOITER, EXOPHTHALMIC, diagnosis/ *GOITER, NODULAR, diagnosis/ HUMAN/ HYPERTHYROIDISM, blood/ *HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, radionuclide imaging/ THYROID FUNCTION TESTS/ THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROXINE, blood/ TRIIODOTHYRONINE, blood/ VOCAL CORDS, physiopathology

1593. **Horster FA:** Struma. Diagnose und Therapie in der Praxis. ZFA (Stuttgart) 55(3):127–11, 31 Jan 79 **(Ger)**
DIAGNOSIS, DIFFERENTIAL/ *GOITER, diagnosis/ GOITER, drug therapy/ GOITER, prevention & control/ GOITER, surgery/ HUMAN/ LONG TERM CARE/ RECURRENCE/ THYROID DISEASES, diagnosis/ THYROXINE, therapeutic use/ TRIIODOTHYRONINE, therapeutic use

1594. **Horton JE, Wezeman FH, Kuettner KE:** Regulation of osteoclast-activating factor (OAF)-stimulated bone resorption in vitro with an inhibitor of collagenase. pp. 127–50.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.
ANIMAL/ BONE AND BONES, physiology/ *BONE RESORPTION, drug effects/ CALCIUM, metabolism/ CATTLE/ CLOSTRIDIOPEPTIDASE A, antagonists & inhibitors/ FETUS/ HUMAN/ *LYMPHOKINES, pharmacodynamics/ MONOGRAPH/ NEUTROPHILS, physiology/ ORGAN CULTURE/ *OSTEOCLASTS, physiology/ OSTEOCLASTS, ultrastructure/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1595. **Horton WA, Rimoin DL:** Histochemical characterization of the endochondral growth plate: a new approach to the study of the chondrodystrophies. Birth Defects 14(6B):81–93, 1978
ADOLESCENCE/ BONE AND BONES, metabolism/ *BONE DISEASES, DEVELOPMENTAL, metabolism/ *CALCIUM, metabolism/ *CARTILAGE DISEASES, metabolism/ *CARTILAGE, metabolism/ CHILD/ *CHONDROITIN SULFATES, metabolism/ *CHONDROITIN, analogs & derivatives/ *COLLAGEN, metabolism/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ *KERATAN SULFATE, metabolism/ *MUCOPOLYSACCHARIDES, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1596. **Horváth T, Nagy I, Gógl A:** Study of the activity of antithrombin-III in latent cholestasis. (A clinico-pharmacological study of the relationship between antithrombin-III activity and steroid cholestasis). Acta Med Acad Sci Hung 35(2):105–13, 1978
ADULT/ ANOVULATION, blood/ *ANTITHROMBIN III, analysis/ *CHOLESTASIS, blood/ CHOLESTASIS, chemically induced/ CHOLESTASIS, diagnosis/ *CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, COMBINED, adverse effects/ FEMALE/ HEPARIN, pharmacodynamics/ HUMAN/ LIVER FUNCTION TESTS/ *METHANDROSTENOLONE, adverse effects

1597. **Horwitz RI, Feinstein AR:** Intravaginal estrogen creams and endometrial cancer: no causal association found. JAMA 241(12):1266–7, 23 Mar 79
CONNECTICUT/ *ESTROGENS, adverse effects/ ESTROGENS, deficiency/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ REGISTRIES/ RISK/ *UTERINE NEOPLASMS, chemically induced/ VAGINAL CREAMS, FOAMS AND JELLIES/ VAGINAL DISEASES, drug therapy

1598. **Hosking DJ:** Bone disease in the elderly. J R Coll Physicians Lond 13(1):39–42, Jan 79
AGE FACTORS/ AGED/ BONE DISEASES, diagnosis/ BONE DISEASES, etiology/ *BONE DISEASES, metabolism/ CALCIUM, metabolism/ FEMALE/ HUMAN/ HYPOCALCEMIA, complications/ MALE/ MENOPAUSE/ MIDDLE AGE/ OSTEITIS DEFORMANS, diagnosis/ OSTEITIS DEFORMANS, etiology/ OSTEOMALACIA, diagnosis/ OSTEOMALACIA, etiology/ OSTEOMALACIA, metabolism/ OSTEOPOROSIS, diagnosis/ OSTEOPOROSIS, etiology/ OSTEOPOROSIS, metabolism/

PHOSPHATES, blood/ SEX FACTORS/ VITAMIN D, metabolism

1599. **Hosobuchi Y, Rossier J, Bloom FE, et al:** Stimulation of human periaqueductal gray for pain relief increases immunoreactive beta-endorphin in ventricular fluid. Science 203(4377):279–81, 19 Jan 79
AGED/ *BRAIN, physiology/ CEREBRAL AQUEDUCT/ ELECTRIC STIMULATION/ *ENDORPHINS, cerebrospinal fluid/ ENDORPHINS, immunology/ ENKEPHALINS, cerebrospinal fluid/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PALLIATIVE TREATMENT, methods/ RADIOIMMUNOASSAY

1600. **Hosoi K, Kobayashi S, Ueha T:** Influence of androgens on beta-glucuronidase activity in liver, kidney and submandibular salivary gland of the mouse. Arch Oral Biol 23(10):905–9, 1978
ADRENALECTOMY/ ANDROGENS, pharmacodynamics/ *ANDROGENS, physiology/ ANIMAL/ CASTRATION/ *GLUCURONIDASE, metabolism/ HYDROCORTISONE, physiology/ *KIDNEY, enzymology/ *LIVER, enzymology/ MALE/ MICE/ MICE, INBRED ICR/ *SUBMANDIBULAR GLAND, enzymology

1601. **Hosoya T, Nagai Y, Inagaki T, et al:** In vivo effect of androgen and cycloheximide on the RNA synthesis in isolated nuclei of rat ventral prostates. J Biochem (Tokyo) 84(6):1519–28, Dec 78
ANIMAL/ CASTRATION/ CELL NUCLEUS, drug effects/ *CELL NUCLEUS, enzymology/ *CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ KINETICS/ MALE/ *PROSTATE, drug effects/ *PROSTATE, enzymology/ RATS/ *RNA POLYMERASE I, metabolism/ *RNA POLYMERASES, metabolism/ *RNA, biosynthesis/ *TESTOSTERONE, pharmacodynamics/ TRANSCRIPTION, GENETIC, drug effects

1602. **Hostýn I.:** Trojročný cyklus v dôkaze sekrečných granúl v c bunkách štítnej žl'azy u detí do 1 roka. Cas Lek Cesk 117(44–45):1402–4, 1978 (Eng. Abstr.) **(Slo)**
AGE FACTORS/ AUTOPSY/ *CYTOPLASMIC GRANULES, ultrastructure/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ *PERIODICITY/ SEASONS/ *THYROID GLAND, pathology

1603. **Houdebine LM, Delouis C, Devinoy E:** Post-transcriptional stimulation of casein synthesis by thyroid hormone. Biochimie 60(8):809–12, 1978
ANIMAL/ *CASEIN, biosynthesis/ HYDROCORTISONE, physiology/ IN VITRO/ INSULIN, physiology/ LACTATION/ *MAMMAE, physiology/ PREGNANCY/ PROLACTIN, physiology/ RABBITS/ RNA, MESSENGER, analysis/ *THYROXINE, physiology/ TISSUE CULTURE/ TRANSCRIPTION, GENETIC

1604. **Houdebine LM, Devinoy E, Delouis C:** Role of spermidine in casein gene expression in the rabbit. Biochimie 60(8):735–41, 1978
ANIMAL/ CASEIN, analysis/ *CASEIN, biosynthesis/ FEMALE/ GLUCOCORTICOIDS, physiology/ HYDROCORTISONE, physiology/ LACTATION/ *MAMMAE, physiology/ ORGAN CULTURE/ PHENOTYPE/ PREGNANCY/ PROLACTIN, physiology/ RABBITS/ RNA, MESSENGER, analysis/ SPERMIDINE, analysis/ *SPERMIDINE, physiology

1605. **Houlton MC, Brennan DT, Batson JF:** An evaluation of routine midtrimester ultrasonic scanning. S Afr Med J 54(12):482–5, 16 Sep 78
ANENCEPHALY, diagnosis/ BIRTH WEIGHT/ COMPARATIVE STUDY/ FEMALE/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ INFANT, SMALL FOR GESTATIONAL AGE/ PLACENTA DISORDERS, diagnosis/ *PREGNANCY TRIMESTER, SECOND/ *PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ TWINS/ *ULTRASONICS, diagnostic use

1606. **How J, Bewsher PD:** Thyroid disease and pregnancy [letter] Br Med J 2(6151):1568–9, 2 Dec 78
FEMALE/ HUMAN/ HYPOTHYROIDISM, diagnosis/ *HYPOTHYROIDISM, etiology/ PREGNANCY/ *PUERPERAL DISORDERS

1607. **Howd RA, Adamovics A, Palekar A:** Naloxone and intestinal motility. Experientia 34(10):1310–1, 15 Oct 78
ANIMAL/ ENDORPHINS, physiology/ *GASTROINTESTINAL MOTILITY, drug effects/ MALE/ *NALOXONE, pharmacodynamics/ RATS/ RECEPTORS, NARCOTIC, drug effects/ *STRESS, physiopathology

1608. **Howells KF, Jordan TC:** The effects of pre- and perinatal undernutrition on the succinic dehydrogenase content of muscle fibres from fast and slow rat muscles. Histochemistry 58(1–2):97–102, 24 Nov 78
ANIMAL/ *DEFICIENCY DISEASES, metabolism/ FEMALE/ FORMAZANS, metabolism/ HISTOCYTOCHEMISTRY/ MALE/ *MUSCLES, enzymology/ *PLACENTA DISORDERS, metabolism/ *PLACENTAL INSUFFICIENCY, metabolism/ PREGNANCY/ RATS/ *SUCCINATE DEHYDROGENASE, metabolism/ TIME FACTORS

1609. **Howlett DR, Nahorski SR:** Acute and chronic amphetamine treatments modulate striatal dopamine receptor binding sites. Brain Res 161(1):173–8, 26 Jan 79
ADENYL CYCLASE, metabolism/ *AMPHETAMINE, pharmacodynamics/ ANIMAL/ BINDING SITES, drug effects/ *CORPUS STRIATUM, drug effects/ CORPUS STRIATUM, enzymology/ *DOPAMINE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ MALE/ RATS/ *RECEPTORS, DOPAMINE, drug effects/ RECEPTORS, DOPAMINE, metabolism/ SPIPERONE, metabolism

1610. **Hsu AC, Balfe JW, Olley PM, et al:** Allograft renal-artery stenosis: increased peripheral plasma renin activity as an early indicator of uncontrollable hypertension. Clin Nephrol 10(6):232–8, Dec 78
ADOLESCENCE/ ADULT/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ HYPERTENSION, blood/ *KIDNEY, transplantation/ MALE/ *POSTOPERATIVE COMPLICATIONS, blood/ *RENAL ARTERY OBSTRUCTION, blood/ *RENAL ARTERY STENOSIS, blood/ *RENIN, blood/ TRANSPLANTATION, ALLOGENEIC

1611. **Hsu AC, Folami AO, Bain J, et al:** Gonadal function in males treated with cyclophosphamide for nephrotic syndrome. Fertil Steril 31(2):173–7, Feb 79
ADOLESCENCE/ ADULT/ CELL NUMBER/ CHILD/ *CYCLOPHOSPHAMIDE, adverse effects/ HUMAN/ MALE/ *NEPHROTIC SYNDROME, drug therapy/ NEPHROTIC SYNDROME, physiopathology/ SPERMATOZOA, pathology/ *TESTIS, drug effects/ TESTIS, physiopathology

1612. **Hsueh AJ, Erickson GF:** Glucocorticoid inhibition of FSH-induced estrogen production in cultured rat granulosa cells. Steroids 32(5):639–48, Dec 78
ANIMAL/ AROMATASE, antagonists & inhibitors/ CELLS, CULTURED/ DEXAMETHASONE, pharmacodynamics/ *ESTROGENS, biosynthesis/ FEMALE/ *FSH, antagonists & inhibitors/ *GLUCOCORTICOIDS, pharmacodynamics/ *GRANULOSA CELLS, drug effects/ GRANULOSA CELLS, metabolism/ HYDROCORTISONE, pharmacodynamics/ HYPOPHYSECTOMY/ PROGESTERONE, biosynthesis/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1613. **Huber E, König P, Schuler G, et al:** Characterization and topography of the glycoproteins of adrenal chromaffin granules. J Neurochem 32(1):35–47, Jan 79
*ADRENAL MEDULLA, ultrastructure/ ANIMAL/ CATTLE/ *CHROMAFFIN GRANULES, ultrastructure/ *CHROMAFFIN SYSTEM, ultrastructure/ *GLYCOPROTEINS/ GLYCOPROTEINS, isolation & purification/ INTRACELLULAR MEMBRANES, analysis/ *MEMBRANE PROTEINS/ MEMBRANE PROTEINS, isolation & purification/ MICROSCOPY, ELECTRON/ MOLECULAR WEIGHT/ PROTEIN CONFORMATION

1614. **Huber G:** Hinweise auf eine somatische Grundlage schizophrener Erkrankungen. MMW 121(6):205–8, 9 Feb 79 **(Ger)**
CATECHOLAMINES, metabolism/ CIRCADIAN RHYTHM/ DISEASES IN TWINS/ HUMAN/ HYPERKINESIS/ LONGITUDINAL STUDIES/

MEMORY/ METABOLISM, INBORN ERRORS/ PERCEPTUAL DISORDERS, complications/ PITUITARY HORMONE RELEASING HORMONES, metabolism/ PSYCHOTROPIC DRUGS, therapeutic use/ SCHIZOPHRENIA, drug therapy/ *SCHIZOPHRENIA, etiology

1615. **Huber HP:** Behandlung entzündlicher Dermatomykosen mit Pevisone und Pevaryl. Praxis 68(3):92–6, 16 Jan 79 (Eng. Abstr.) **(Ger)**
ADULT/ *DERMATOMYCOSES, drug therapy/ DRUG COMBINATIONS/ DRUG EVALUATION/ *ECONAZOLE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *IMIDAZOLES, therapeutic use/ MALE/ OINTMENTS/ *TRIAMCINOLONE ACETONIDE, therapeutic use

1616. **Huber S, Ryffel GU, Weber R:** Thyroid hormone induces competence for oestrogen-dependent vitellogenin synthesis in developing Xenopus laevis liver. Nature 278(5699):65–7, 1 Mar 79
AGE FACTORS/ ANIMAL/ *ESTROGENS, pharmacodynamics/ FEMALE/ *LIPOPROTEINS, biosynthesis/ LIVER, growth & development/ *LIVER, metabolism/ MALE/ METAMORPHOSIS, BIOLOGICAL, drug effects/ *THYROXINE, pharmacodynamics/ *VITELLOGENIN, biosynthesis/ *XENOPUS, physiology

1617. **Huckins C, Oakberg EF:** Morphological and quantitative analysis of spermatogonia in mouse testes using whole mounted seminiferous tubules. II. The irradiated testes. Anat Rec 192(4):529–42, Dec 78
ANIMAL/ CELL DIFFERENTIATION, radiation effects/ CELL NUMBER, radiation effects/ KINETICS/ MALE/ MICE/ RADIATION TOLERANCE/ *SEMINIFEROUS TUBULES, cytology/ SEMINIFEROUS TUBULES, radiation effects/ SPERMATIDS, radiation effects/ SPERMATOCYTES, radiation effects/ SPERMATOGENESIS, radiation effects/ *SPERMATOGONIA, cytology/ SPERMATOGONIA, radiation effects/ *SPERMATOZOA, cytology/ *TESTIS, cytology/ *TESTIS, radiation effects/ THYMIDINE, metabolism/ TRITIUM/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1618. **Huckins C, Oakberg EF:** Morphological and quantitative analysis of spermatogonia in mouse testes using whole mounted seminiferous tubules, I. The normal testes. Anat Rec 192(4):519–28, Dec 78
ANIMAL/ CELL DIFFERENTIATION/ CELL NUMBER/ MALE/ MICE/ *SEMINIFEROUS TUBULES, cytology/ SEMINIFEROUS TUBULES, ultrastructure/ SPERMATOGENESIS/ *SPERMATOGONIA, cytology/ SPERMATOGONIA, ultrastructure/ *SPERMATOZOA, cytology/ *TESTIS, cytology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1619. **Hudson AM, McMartin C:** Metabolism of tritiated 1–24 corticotrophin in peripheral tissues immediately after intravenous injection in the rat [proceedings] J Endocrinol 79(2):62P–63P, Nov 78
ANIMAL/ *CORTICOTROPIN, metabolism/ INJECTIONS, INTRAVENOUS/ PEPTIDE FRAGMENTS, metabolism/ RATS/ TISSUE DISTRIBUTION

1620. **Hudson CN:** Ovarian cancer. Br J Hosp Med 20(5):568–74, Nov 78
ALKYLATING AGENTS, administration & dosage/ ANTINEOPLASTIC AGENTS, administration & dosage/ DRUG THERAPY, COMBINATION/ FALLOPIAN TUBES, surgery/ FEMALE/ HUMAN/ HYSTERECTOMY/ NEOPLASMS, EMBRYONAL AND MIXED, therapy/ OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, radiotherapy/ OVARIAN NEOPLASMS, surgery/ *OVARIAN NEOPLASMS, therapy

1621. **Hudson CN:** The place of surgery in the treatment of ovarian cancer. Clin Obstet Gynaecol 5(3):695–708, Dec 78
*CASTRATION/ DYSGERMINOMA, surgery/ FEMALE/ HUMAN/ HYSTERECTOMY/ MESONEPHROMA, surgery/ OVARIAN NEOPLASMS, drug therapy/ *OVARIAN NEOPLASMS, surgery/ TERATOID TUMOR, surgery

1622. **Hüfner M, Grussendorf M, Knöpfle M:** Gehalt an 3,3', 5'-T3 ('reverse--T3') im Plasma bei verschiedenen Funktionszuständen der Schilddrüse. Acta Biol Med Ger 37(3):447–52, 1978 (Eng. Abstr.) **(Ger)**
ENGLISH ABSTRACT/ *HYPERTHYROIDISM, blood/ *THYROID GLAND, physiopathology/ THYROIDECTOMY/ THYROTROPIN, blood/ THYROXINE, blood/ *TRIIODOTHYRONINE, blood/ *TRIIODOTHYRONINE, REVERSE, blood

1623. **Hug J, Gudat F, Speck B, et al:** Die Angio-Immunoblastische Lymphadenopathie. HNO 27(1):25–8, Jan 79 (Eng. Abstr.) **(Ger)**
ADRENAL CORTEX HORMONES, therapeutic use/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ FEVER, diagnosis/ HEPATOMEGALY, diagnosis/ HUMAN/ *IMMUNOBLASTIC LYMPHADENOPATHY, diagnosis/ IMMUNOBLASTIC LYMPHADENOPATHY, drug therapy/ IMMUNOBLASTIC LYMPHADENOPATHY, pathology/ MIDDLE AGE/ PROGNOSIS/ PRURITUS, diagnosis/ SPLENOMEGALY, diagnosis

1624. **Huggins GR, Rosenfeld DL, Rickels K, et al:** Emotional distress in morning-after pill patients. Acta Obstet Gynecol Scand 58(1):65–8, 1979
*AFFECTIVE DISTURBANCES, etiology/ ANXIETY, etiology/ *CONTRACEPTIVES, POSTCOITAL, adverse effects/ DEPRESSION, etiology/ FEMALE/ GUILT/ HUMAN/ *MORNING AFTER PILL, adverse effects/ PERSONALITY INVENTORY/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1625. **Hughes S, Davies R, Khan R, et al:** Fluid space in bone. Clin Orthop (134):332–41, Jul-Aug 78
ANIMAL/ *BONE AND BONES, anatomy & histology/ BONE AND BONES, blood supply/ BONE AND BONES, metabolism/ CAPILLARIES/ DOGS/ MATHEMATICS/ TIBIA, anatomy & histology/ TIBIA, blood supply

1626. **Hughesdon PE:** Postnatal formation of ovarian stroma and its relation to ovarian pathology. Int J Gynaecol Obstet 16(1):8–19, 1978
ADOLESCENCE/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ *OVARIAN DISEASES, etiology/ *OVARIAN NEOPLASMS, etiology/ OVARY, anatomy & histology/ *OVARY, growth & development

1627. **Huidobro-Toro JP, Way EL:** Single-dose tolerance to antinociception, and physical dependence on beta-endorphin in mice. Eur J Pharmacol 52(2):179–89, 15 Nov 78
*ANALGESICS/ ANIMAL/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ *DRUG DEPENDENCE, etiology/ DRUG TOLERANCE/ *ENDORPHINS, pharmacodynamics/ MALE/ MICE/ MICE, INBRED ICR/ NALOXONE, pharmacodynamics/ RATS/ TIME FACTORS

1628. **Huidobro-Toro JP, Harris RA, Loh HH, et al:** Effects of hypothyroidism on the response of the rat colon to morphine. Eur J Pharmacol 52(2):191–5, 15 Nov 78
ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ BODY WEIGHT, drug effects/ COLON, drug effects/ *HYPOTHYROIDISM, physiopathology/ IN VITRO/ MALE/ METHIMAZOLE, pharmacodynamics/ *MORPHINE, pharmacodynamics/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ RATS/ SULFATIDES, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1629. **Hulthén L, Hökfelt B:** The effect of the converting enzyme inhibitor SQ 20.881 on kinins, renin-angiotensin-aldosterone and catecholamines in relation to blood pressure in hypertensive patients. Acta Med Scand 204(6):497–502, 1978
ADULT/ *ALDOSTERONE, blood/ *ANGIOTENSIN II, blood/ *BLOOD PRESSURE, drug effects/ *CATECHOLAMINES, blood/ EPINEPHRINE, blood/ FEMALE/ HUMAN/ *HYPERTENSION, drug therapy/ *KININS, blood/ MALE/ MIDDLE AGE/ NOREPINEPHRINE, blood/ *OLIGOPEPTIDES, therapeutic use/ POSTURE/ *RENIN, blood/ *SQ 20881, therapeutic use

1630. **Humphreys MH, Reid IA:** Effects of clonidine on glucose and phosphate metabolism in the anesthetized dog. J Pharmacol Exp Ther 208(2):243–7, Feb 79
ANIMAL/ *BLOOD SUGAR, metabolism/ *CLONIDINE, pharmacodynamics/ DOGS/ FEMALE/ GLOMERULAR FILTRATION RATE, drug effects/ HYPOPHYSECTOMY/ KIDNEY, drug effects/ KIDNEY, metabolism/ MALE/ PHOSPHATES, blood/ *PHOSPHATES, metabolism/ PHOSPHATES, urine/ POTASSIUM, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1631. **Humphries J, Wasiak T, Wan YP, et al:** An antiovulatory decapeptide of higher potency which has an L-amino acid (Ac-Pro) in position 1. Biochem Biophys Res Commun 85(2):709–13, 29 Nov 78
ANIMAL/ FEMALE/ LH-FSH RELEASING HORMONE, antagonists & inhibitors/ *OLIGOPEPTIDES, pharmacodynamics/ *OVULATION, drug effects/ *PROLINE, analogs & derivatives/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1632. **Hung W, August GP:** Hyperreninemia and secondary hyperaldosteronism in pheochromocytomas. J Pediatr 94(2):215–7, Feb 79
ADOLESCENCE/ ADRENAL GLAND NEOPLASMS, blood/ *ADRENAL GLAND NEOPLASMS, complications/ CASE REPORT/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM, etiology/ HYPERTENSION, RENAL, blood/ HYPERTENSION, RENAL, etiology/ MALE/ PHEOCHROMOCYTOMA, blood/ *PHEOCHROMOCYTOMA, complications/ *RENIN, blood

1633. **Hunt DM, Lau IF, Saksena SK, et al:** Endocrinological and physiological features after steroid treatment of male rats. Arch Androl 1(4):311–20, Sep 78
ANDROGENS, blood/ ANIMAL/ CELL NUMBER/ EPIDIDYMIS, anatomy & histology/ *ETHINYL ESTRADIOL, pharmacodynamics/ *ETHYNODIOL DIACETATE, pharmacodynamics/ FERTILITY, drug effects/ GENITALIA, MALE, anatomy & histology/ *GENITALIA, MALE, drug effects/ LIBIDO, drug effects/ MALE/ *MEDROXYPROGESTERONE, pharmacodynamics/ ORGAN WEIGHT, drug effects/ PROSTATE, anatomy & histology/ RATS/ SEMINAL VESICLES, anatomy & histology/ *SPERMATOGENESIS, drug effects/ SPERMATOZOA, cytology/ TESTIS, analysis/ *TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1634. **Hunt GE, Atrens DM, Becker FT, et al:** alpha-Adrenergic modulation of hypothalamic self-stimulation: effects of phenoxybenzamine, yohimbine, dexamphetamine and their interactions with clonidine. Eur J Pharmacol 53(1):1–8, 15 Dec 78
ANIMAL/ *CLONIDINE, pharmacodynamics/ DEXTROAMPHETAMINE, pharmacodynamics/ DRUG INTERACTIONS/ ELECTRODES, IMPLANTED/ *HYPOTHALAMUS, physiology/ MALE/ METHYLTYROSINES, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ RATS/ *RECEPTORS, ADRENERGIC, drug effects/ *RECEPTORS, ADRENERGIC, ALPHA, drug effects/ RECEPTORS, ADRENERGIC, ALPHA, physiology/ *SELF STIMULATION, drug effects/ YOHIMBINE, pharmacodynamics

1635. **Hunt VR:** Occupational radiation exposure of women workers. Prev Med 7(3):294–310, Sep 78
ABNORMALITIES, RADIATION-INDUCED, etiology/ ANIMAL/ BREAST NEOPLASMS, occurrence/ EMBRYO, radiation effects/ ENVIRONMENTAL EXPOSURE/ FEMALE/ FETUS, radiation effects/ HUMAN/ JAPAN/ MICE/ *OCCUPATIONAL DISEASES, etiology/ PREGNANCY/ RADIATION DOSAGE/ *RADIATION EFFECTS/ RADIATION GENETICS/ *RADIATION INJURIES, complications/ RADIOISOTOPES, adverse effects/ THYROID NEOPLASMS, occurrence/ UNITED STATES

1636. **Hunter WM, McKenzie I:** A national quality control scheme for assays of human growth hormone: the first two and a half years. J Endocrinol 79(2):49P–50P, Nov 78
GREAT BRITAIN/ HUMAN/ QUALITY CONTROL/ *RADIOIMMUNOASSAY, standards/ *SOMATOTROPIN, blood

1637. **Husain A, Johnson IR:** A simple microassay for human tissue renin [proceedings] Br J Clin Pharmacol 6(5):463P–464P, Nov 78
ANGIOTENSIN I, analysis/ ENDOMETRIUM, enzymology/ FEMALE/ HUMAN/ METHODS/ *RENIN, metabolism

1638. **Hussl B, Loewit K, Richter E, et al:** First clinical experiences with hormone-therapy of pachydermia laryngis. Arch Otorhinolaryngol 221(3):221–5, 31 Oct 78
ANDROGEN ANTAGONISTS, pharmacodynamics/ *CYPROTERONE, therapeutic use/ FEMALE/ HIRSUTISM, drug therapy/ HUMAN/ *LARYNGEAL DISEASES, drug therapy/ LARYNGEAL EDEMA, drug therapy/ LARYNGEAL NEOPLASMS, drug therapy/ LEUKOPLAKIA, ORAL, drug therapy/ MALE/ MIDDLE AGE

1639. **Hustin J:** Immunohistochemical demonstration of several tumour markers in neoplastic and preneoplastic states of the uterine mucosa. Gynecol Obstet Invest 9(1):3–15, 1978
*ALPHA FETOPROTEINS, analysis/ *CARCINOEMBRYONIC ANTIGEN, analysis/ CARCINOMA, analysis/ CARCINOMA, PAPILLARY, analysis/ *CASEIN, analysis/ *ENDOMETRIUM, analysis/ FEMALE/ *GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ IMMUNOENZYME TECHNICS/ *PRECANCEROUS CONDITIONS, analysis/ *UTERINE NEOPLASMS, analysis

1640. **Huxtable R, Ciaramitaro D, Eisenstein D:** The effect of a pyrrolizidine alkaloid, monocrotaline, and a pyrrole, dehydroretronecine, on the biochemical functions of the pulmonary endothelium. Mol Pharmacol 14(6):1189–203, Nov 78
ADENOSINE MONOPHOSPHATE, metabolism/ ANIMAL/ BLOOD PRESSURE, drug effects/ ENDOTHELIUM, drug effects/ ENDOTHELIUM, metabolism/ HEART, drug effects/ IN VITRO/ LEUCINE, metabolism/ LUNG, drug effects/ *LUNG, metabolism/ MALE/ NOREPINEPHRINE, metabolism/ ORGAN WEIGHT, drug effects/ PYRROLES, metabolism/ *PYRROLES, pharmacodynamics/ *PYRROLIZIDINE ALKALOIDS, pharmacodynamics/ RATS/ SENECIO/ SEROTONIN, metabolism/ TIME FACTORS/ TISSUE DISTRIBUTION/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1641. **Hyttel J:** Effect of a specific 5-HT uptake inhibitor, citalopram (Lu 10-171), on 3H-5-HT uptake in rat brain synaptosomes in vitro. Psychopharmacology (Berlin) 60(1):13–8, 15 Dec 78
ANIMAL/ ANTIDEPRESSIVE AGENTS, pharmacodynamics/ *BENZOFURANS, pharmacodynamics/ BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, metabolism/ BRAIN, drug effects/ *BRAIN, metabolism/ CHLORIMIPRAMINE, pharmacodynamics/ DRUG INTERACTIONS/ IN VITRO/ KINETICS/ MALE/ *PROPYLAMINES, pharmacodynamics/ RATS/ *SEROTONIN ANTAGONISTS, pharmacodynamics/ *SEROTONIN, metabolism/ SYNAPTOSOMES, drug effects/ *SYNAPTOSOMES, metabolism

1642. **Hyttel J:** Dopamine-receptor binding and adenylate-cyclase activity in mouse striatal tissue in the supersensitivity phase after neuroleptic treatment. Psychopharmacology (Berlin) 59(3):211–6, 8 Dec 78
*ADENYL CYCLASE, metabolism/ ANIMAL/ CORPUS STRIATUM, drug effects/ *CORPUS STRIATUM, metabolism/ HALOPERIDOL, pharmacodynamics/ KINETICS/ MALE/ MICE/ *RECEPTORS, DOPAMINE, metabolism/ TIME FACTORS/ *TRANQUILIZING AGENTS, MAJOR, pharmacodynamics

I

1643. **Iakovlev NN, Aleksandrova GV, Batuner LS, et al:** Mezhorgannye metabolicheskie korreliatsii pri myshechnoi deiatel'nosti i utomlenii. Fiziol Zh SSSR 64(11):1655–66, Nov 78 (Eng. Abstr.) **(Rus)**

ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL/ BRAIN, metabolism/ CALCIUM, metabolism/ COMPARATIVE STUDY/ CYTOCHROME OXIDASE, metabolism/ *ENERGY METABOLISM/ ENGLISH ABSTRACT/ *EXERTION/ *FATIGUE, metabolism/ GLYCOGEN, metabolism/ GABA, metabolism/ LIVER, metabolism/ MUSCLES, metabolism/ OXIDATIVE PHOSPHORYLATION/ PHOSPHOCREATINE, metabolism/ RATS/ SUCCINATE DEHYDROGENASE, metabolism

1644. **Ibayashi H:** [Prolactin secretion abnormality--introduction] Horumon To Rinsho 26(10):991-7, Oct 78 **(Jpn)**
ADOLESCENCE/ ANIMAL/ EVOLUTION/ FEMALE/ GALACTORRHEA, blood/ GUINEA PIGS/ HAMSTERS/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ PITUITARY NEOPLASMS, blood/ PREGNANCY/ PROLACTIN, blood/ PROLACTIN, physiology/ *PROLACTIN, secretion/ RATS

1645. **Ibsen H, Kappelgaard AM, Nielsen MD, et al:** The effect of angiotensin II blockade by saralasin (1-Sar-8-Ala-angiotensin II) in normal man. Eur J Clin Pharmacol 14(3):171-6, 27 Nov 78
ADULT/ ALDOSTERONE, blood/ *ANGIOTENSIN II, analogs & derivatives/ *ANGIOTENSIN II, antagonists & inhibitors/ ANGIOTENSIN II, blood/ BLOOD PRESSURE, drug effects/ DIET/ FEMALE/ HUMAN/ HYDROCHLOROTHIAZIDE, pharmacodynamics/ MALE/ RENIN, blood/ SARALASIN, blood/ *SARALASIN, pharmacodynamics/ SODIUM, metabolism

1646. **Ibsen H, Leth A, Hollnagel H, et al:** Renin--angiotensin system in mild essential hypertension. The functional significance of angiotensin II in untreated and thiazide-treated hypertensive patients. Clin Sci Mol Med 55 Suppl 4:319s-321s, Dec 78
ADULT/ ALDOSTERONE, blood/ ANGIOTENSIN II, blood/ *ANGIOTENSIN II, physiology/ BLOOD PRESSURE, drug effects/ *DIURETICS, THIAZIDE, therapeutic use/ FEMALE/ HUMAN/ HYPERTENSION, drug therapy/ *HYPERTENSION, physiopathology/ MALE/ RENIN, blood/ SARALASIN, pharmacodynamics

1647. **Ichigashira N, Yamaga N:** Intraocular fate of dexamethasone disodium phosphate topically applied to the eyes of rabbits. Steroids 32(5):615-28, Dec 78
ANDROSTADIENES, metabolism/ ANIMAL/ CHROMATOGRAPHY, THIN LAYER/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, metabolism/ *EYE, metabolism/ IN VITRO/ MODELS, BIOLOGICAL/ OPHTHALMIC SOLUTIONS/ RABBITS

1648. **Ikemoto F, Yamamoto K:** Renin-angiotensin system in the aqueous humor of rabbits, dogs and monkeys. Exp Eye Res 27(6):723-5, Dec 78
*ANGIOTENSIN I, metabolism/ *ANGIOTENSINS, metabolism/ ANIMAL/ *AQUEOUS HUMOR, enzymology/ DOGS/ MONKEYS/ NEPHRECTOMY/ RABBITS/ RENIN, blood/ *RENIN, metabolism

1649. **Il'ina GA, Gridchik LP, Laricheva IP:** Soderzhanie platsentarnogo laktogena v okoloplodnykh vodakh i syvorotke krovi pri normal'noĭ i oslozhnennoĭ nefropatieĭ beremennosti. Vopr Okhr Materin Det 23(11):61-5, Nov 78 (Eng. Abstr.) **(Rus)**
*AMNIOTIC FLUID, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *KIDNEY DISEASES, metabolism/ PLACENTAL LACTOGEN, blood/ *PLACENTAL LACTOGEN, metabolism/ *PREGNANCY COMPLICATIONS, metabolism/ PREGNANCY

1650. **Illiger HJ, Hartlapp HJ, Krischke W, et al:** Uber den Einfluss von Geschlechtshormonen auf die zellvermittelte Immunität bei metastasierenden Mamma-Karzinomen. Verh Dtsch Ges Inn Med (84):615-8, 1978 **(Ger)**
*BREAST NEOPLASMS, therapy/ *ESTROGENS, therapeutic use/ *HYPERSENSITIVITY, DELAYED, drug therapy/ NEOPLASM METASTASIS

1651. **Illnerová H, Vaněček J, Křeček J, et al:** Effect of one minute exposure to light at night on rat pineal serotonin N-acetyltransferase and melatonin. J Neurochem 32(2):673-5, Feb 79
*ACETYLTRANSFERASES, metabolism/ ANIMAL/ CIRCADIAN RHYTHM/ KINETICS/ LIGHT/ MALE/ *MELATONIN, metabolism/ *PINEAL BODY, metabolism/ RATS/ SEROTONIN

1652. **Imai K, Hayashi Y, Kono M:** Testosterone-induced focal myocarditis in rats. I. Morphological and biochemical studies with special reference to pathogenetical mechanism and species differences. J Toxicol Sci 3(3):215-28, Aug 78
ADRENALECTOMY/ ANIMAL/ DESOXYCORTICOSTERONE, blood/ FEMALE/ GUINEA PIGS/ MALE/ MYOCARDITIS, blood/ *MYOCARDITIS, chemically induced/ MYOCARDITIS, pathology/ RABBITS/ RATS/ SEX FACTORS/ SPECIES SPECIFICITY/ *TESTOSTERONE, pharmacodynamics

1653. **Imai K, Yoshimura S, Iguchi H:** Testosterone-indued focal myocarditis in rats. II. Morphological and biochemical observations of the adrenal in relation to the pathogenetical mechanism of cardiac lesions. J Toxicol Sci 3(3):229-41, Aug 78
ADRENAL CORTEX, pathology/ ADRENAL CORTEX, ultrastructure/ ADRENAL GLANDS, metabolism/ *ADRENAL GLANDS, pathology/ ANIMAL/ MALE/ *MYOCARDITIS, chemically induced/ MYOCARDITIS, metabolism/ MYOCARDITIS, pathology/ RATS/ *TESTOSTERONE, pharmacodynamics

1654. **Imamura S, Takigawa M, Ikai K, et al:** Pemphigus foliaceus, myasthenia gravis, thymoma and red cell aplasia. A case report and indirect immunofluorescence study on 38 patients with myasthenia gravis. Clin Exp Dermatol 3(3):285-91, Sep 78
AGED/ *ANEMIA, APLASTIC, complications/ CASE REPORT/ FEMALE/ HUMAN/ MALE/ *MYASTHENIA GRAVIS, complications/ MYASTHENIA GRAVIS, immunology/ *PEMPHIGUS, etiology/ PEMPHIGUS, immunology/ *THYMOMA, complications/ THYMOMA, immunology/ *THYMUS NEOPLASMS, complications/ THYMUS NEOPLASMS, immunology

1655. **Imawari M, Akanuma Y, Itakura H, et al:** The effects of diseases of the liver on serum 25-hydroxyvitamin D and on the serum binding protein for vitamin D and its metabolites. J Lab Clin Med 93(1):171-80, Jan 79
CALCIUM, blood/ CHRONIC DISEASE/ HEPATITIS, blood/ HUMAN/ LIVER CIRRHOSIS, blood/ *LIVER DISEASES, blood/ LIVER FUNCTION TESTS/ PHOSPHORUS, blood/ PROTEIN BINDING/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VITAMIN D, blood/ VITAMIN D, metabolism

1656. **Imbs JL, Schmidt M, Schwartz J:** Intrarenal control of urine concentration by angiotensin II. Clin Sci Mol Med 55 Suppl 4:229s-231s, Dec 78
ANGIOTENSIN II, antagonists & inhibitors/ *ANGIOTENSIN II, physiology/ ANIMAL/ BLOOD PRESSURE, drug effects/ DOGS/ FEMALE/ FUROSEMIDE, pharmacodynamics/ *KIDNEY CONCENTRATING ABILITY, drug effects/ KIDNEY MEDULLA, blood supply/ MALE/ REGIONAL BLOOD FLOW, drug effects/ RENIN, blood

1657. **Inaba T, Mirocha CJ:** Preferential binding of radiolabeled zearalenone to a protein fraction of Fusarium roseum graminearum. Appl Environ Microbiol 37(1):80-4, Jan 79
*FUNGAL PROTEINS, metabolism/ *FUSARIUM, metabolism/ FUSARIUM, physiology/ PROTEIN BINDING/ *RESORCINOLS, metabolism/ SPORES, FUNGAL, physiology/ SUBCELLULAR FRACTIONS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ ZEARALENONE, isolation & purification/ *ZEARALENONE, metabolism/ ZEARALENONE, physiology

1658. **Inagami T, Yokosawa H, Hirose S:** Definitive evidence for renin in rat brain by affinity chromatographic separation from protease. Clin Sci Mol Med 55 Suppl 4:121s-123s, Dec 78
ANGIOTENSIN I, biosynthesis/ ANIMAL/ *BRAIN, enzymology/ CHROMATOGRAPHY, AFFINITY, methods/ HYDROGEN-ION CONCENTRATION/ MALE/ PEPTIDE HYDROLASES, metabolism/ RATS/ RENIN, isolation & purification/ *RENIN, metabolism/ SUBSTRATE SPECIFICITY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1659. **Ingenbleek Y, De Visscher M:** Hormonal and nutritional status: critical conditions for endemic goiter epidemiology? Metabolism 28(1):9–19, Jan 79
ADOLESCENCE/ ADULT/ AGE FACTORS/ CHILD/ FEMALE/ GOITER, ENDEMIC, blood/ *GOITER, ENDEMIC, occurrence/ HUMAN/ IODINE/ MALE/ PREALBUMIN, metabolism/ RETINOL BINDING PROTEINS, blood/ SENEGAL/ SEX FACTORS/ VITAMIN A, blood

1660. **Ingham KC, Bolotin C:** Intrinsic and extrinsic fluorescence probes of subunit interactions in ovine lutropin. Arch Biochem Biophys 191(1):134–45, Nov 78
ANILINO NAPHTHALENESULFONATES/ DITHIOTHREITOL/ HYDROGEN-ION CONCENTRATION/ *LH/ MACROMOLECULAR SYSTEMS/ SHEEP/ SPECTROMETRY, FLUORESCENCE/ SPECTROPHOTOMETRY/ TEMPERATURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1661. **(Ingle DJ),** Dwight J. Ingle (1907––1978). Perspect Biol Med 22(1):1–2, Autumn 78
CURRENT BIOG-OBIT/ ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ PERIODICALS, history/ UNITED STATES

1662. **Ingram KA:** Laparotomy technique for sex determination of psittacine birds. J Am Vet Med Assoc 173(9):1244–6, 1 Nov 78
ANIMAL/ FEMALE/ LAPAROTOMY, methods/ *LAPAROTOMY, veterinary/ MALE/ PSITTACINES, anatomy & histology/ *PSITTACINES, surgery/ *SEX DETERMINATION

1663. **Inoue M:** Studies on guanosine 3' :5'-monophosphate-dependent protein kinase; isolation and characterization of catalytic fragment. Kobe J Med Sci 24(3):125–40, Sep 78
BINDING SITES/ CATALYSIS/ ENZYME ACTIVATION/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE/ *PEPTIDE FRAGMENTS, isolation & purification/ PEPTIDE FRAGMENTS, metabolism/ *PROTEIN KINASE, metabolism

1664. **Insel PA, Nirenberg P, Turnbull J, et al:** Relationships between membrane cholesterol, alpha-adrenergic receptors, and platelet function. Biochemistry 17(24):5269–74, 28 Nov 78
ADENYL CYCLASE, metabolism/ BINDING SITES/ *BLOOD PLATELETS, metabolism/ *CHOLESTEROL, metabolism/ DIHYDROERGOCRYPTINE, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ HUMAN/ *MEMBRANES, metabolism/ PHENTOLAMINE, pharmacodynamics/ PLATELET AGGREGATION, drug effects/ PROSTAGLANDINS E, pharmacodynamics/ *RECEPTORS, ADRENERGIC, metabolism/ *RECEPTORS, ADRENERGIC, ALPHA, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1665. **Ionescu B, Dumitrache C, Maximilian C:** Gonadal lesions in transsexualism [letter] Br J Psychiatry 134:126, Jan 79
*ENDOCRINE DISEASES, complications/ FEMALE/ HUMAN/ MALE/ *OVARIAN DISEASES, complications/ SEX HORMONES, blood/ *TESTICULAR DISEASES, complications/ *TRANSSEXUALISM, etiology

1666. **Ip M, Milholland RJ, Rosen F, et al:** Mammary cancer: selective action of the estrogen receptor complex. Science 203(4378):361–3, 26 Jan 79
ANIMAL/ CASTRATION/ CYTOSOL, metabolism/ ESTRADIOL, metabolism/ ESTRADIOL, pharmacodynamics/ FEMALE/ MALE/ *MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ RATS/ *RECEPTORS, ESTROGEN, metabolism/ RECEPTORS, PROGESTERONE, biosynthesis/ RECEPTORS, PROGESTERONE, drug effects/ *RECEPTORS, PROGESTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1667. **Ipp E, Dobbs R, Unger RH:** Morphine and beta-endorphin influence the secretion of the endocrine pancreas. Nature 276(5684):190–1, 9 Nov 78
ANIMAL/ DOGS/ *ENDORPHINS, pharmacodynamics/ GLUCAGON, secretion/ INSULIN, secretion/ *ISLANDS OF LANGERHANS, drug effects/ ISLANDS OF LANGERHANS, secretion/ *MORPHINE, pharmacodynamics/ NALOXONE, pharmacodynamics/ RECEPTORS, NARCOTIC, drug effects/ SECRETORY RATE, drug effects/ SOMATOTROPIN RELEASING HORMONE, secretion/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1668. **Irace G, Edelhoch H:** Thyroxine-induced conformational changes in prealbumin. Biochemistry 17(26):5729–33, 26 Dec 78
HUMAN/ KINETICS/ *PREALBUMIN/ PROTEIN BINDING/ PROTEIN CONFORMATION/ *SERUM ALBUMIN/ SERUM ALBUMIN, BOVINE/ SPECTROMETRY, FLUORESCENCE/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *THYROXINE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1669. **Iraci G, Giordano R, Gerosa M, et al:** Ocular involvement in recurrent cyst of Rathke's cleft: Case report. Ann Ophthalmol 11(1):94–8, Jan 79
ADULT/ BLINDNESS, etiology/ CASE REPORT/ *CRANIOPHARYNGIOMA, complications/ CRANIOPHARYNGIOMA, diagnosis/ CRANIOPHARYNGIOMA, surgery/ FEMALE/ FOLLOW-UP STUDIES/ *HEMIANOPSIA, etiology/ HUMAN/ *NEOPLASM RECURRENCE, LOCAL, complications/ NEOPLASM RECURRENCE, LOCAL, diagnosis/ OPTIC ATROPHY, etiology/ *PITUITARY GLAND, ANTERIOR/ *PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, diagnosis/ PITUITARY NEOPLASMS, surgery/ *SCOTOMA, etiology/ SUCTION

1670. **Ird EA, Smirnova IO:** O roli pecheni v razvitii disgormonal'nykh zabolevanii molochnoi zhelezy u krys. Biull Eksp Biol Med 86(12):713–5, Dec 78 (Eng. Abstr.) **(Rus)**
*ADENOFIBROMA, etiology/ ANIMAL/ *CARBON TETRACHLORIDE POISONING, complications/ ENGLISH ABSTRACT/ FEMALE/ *LIVER CIRRHOSIS, complications/ *MAMMARY NEOPLASMS, EXPERIMENTAL, etiology/ OVARIAN CYSTS, etiology/ RATS

1671. **Ird EA, Smirnov IO:** O vozmozhnosti kantserogennogo deistviia polovykh gormonov v perinatal'nom periode ontogeneza. Akush Ginekol (Mosk) (12):4–7, Dec 78 (28 ref.) **(Rus)**
ADOLESCENCE/ ADULT/ ANIMAL/ ANIMALS, NEWBORN/ *CARCINOGENS/ DIETHYLSTILBESTROL, adverse effects/ ESTROGENS, SYNTHETIC, adverse effects/ ESTRUS, drug effects/ FEMALE/ HERMAPHRODITISM, chemically induced/ HUMAN/ MICE/ *ONTOGENY, drug effects/ *PERINATOLOGY/ PRECANCEROUS CONDITIONS, chemically induced/ PREGNANCY/ RATS/ REVIEW/ *SEX HORMONES, adverse effects/ TESTOSTERONE, adverse effects/ UTERINE NEOPLASMS, chemically induced/ VAGINAL NEOPLASMS, chemically induced

1672. **Irey NS, McAllister HA, Henry JM:** Oral contraceptives and stroke in young women: a clinicopathologic correlation. Neurology (Minneap) 28(12):1216–9, Dec 78
ADULT/ BRAIN, pathology/ CASE REPORT/ CEREBROVASCULAR DISORDERS, chemically induced/ *CEREBROVASCULAR DISORDERS, pathology/ *CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ FEMALE/ HUMAN/ HYPERPLASIA, pathology/ PREGNANCY/ THROMBOSIS, pathology

1673. **Irvine WJ, Gray RS, Toft AD, et al:** Failure of the TRH test to predict the clinical course of patients in remission after antithyroid drug therapy for Graves' disease. Acta Endocrinol (Copenh) 90(1):18–22, Jan 79
ADULT/ CARBIMAZOLE, therapeutic use/ EVALUATION STUDIES/ FEMALE/ FOLLOW-UP STUDIES/ *GOITER, EXOPHTHALMIC, drug therapy/ HUMAN/ MALE/ RECURRENCE/ REMISSION/ *THYROTROPIN RELEASING HORMONE, diagnostic use/

THYROTROPIN, blood

1674. **Isaacson RL, Green EJ:** The effect of ACTH1-24 on locomotion, exploration, rearing, and grooming. Behav Biol 24(1):118-22, Sep 78
ANIMAL/ *BEHAVIOR, ANIMAL, drug effects/ CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, pharmacodynamics/ ENVIRONMENT/ *EXPLORATORY BEHAVIOR, drug effects/ *GROOMING, drug effects/ INJECTIONS, INTRAVENOUS/ MALE/ *MOTOR ACTIVITY, drug effects/ *PEPTIDE FRAGMENTS, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1675. **Isele H:** Früh- und Leit- symptome maligner Tumoren. ZFA (Stuttgart) 55(4):214-21, 10 Feb 79 (25 ref.) **(Ger)**
BREAST NEOPLASMS, diagnosis/ BRONCHIAL NEOPLASMS, diagnosis/ CERVIX NEOPLASMS, diagnosis/ COLONIC NEOPLASMS, diagnosis/ FEMALE/ HODGKIN'S DISEASE, diagnosis/ HUMAN/ LEUKEMIA, diagnosis/ MALE/ *NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, diagnosis/ PRECANCEROUS CONDITIONS, diagnosis/ RECTAL NEOPLASMS, diagnosis/ REVIEW/ STOMACH NEOPLASMS, diagnosis/ TIME FACTORS/ UROLOGIC NEOPLASMS, diagnosis/ VULVAR NEOPLASMS, diagnosis

1676. **Ishibashi H, Cottam GL:** Cyclic AMP stimulated phosphorylation of liver pyruvate kinase in hepatocytes. Biochem Biophys Res Commun 85(3):900-5, 14 Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ IN VITRO/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ PHOSPHORYLATION/ PROTEIN KINASE, metabolism/ *PYRUVATE KINASE, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1677. **Ishimaru K, Saito H, Oshima I, et al:** [Responses of renin-angiotensin-aldosterone system to insulin hypoglycemia in patients with essential hypertension (author's transl)] Nippon Jinzo Gakkai Shi 20(10):1087-93, Oct 78 (Eng. Abstr.) **(Jpn)**
ADULT/ AGED/ *ALDOSTERONE, blood/ *ANGIOTENSIN II, blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTENSION, blood/ *HYPOGLYCEMIA, blood/ *INSULIN, pharmacodynamics/ MALE/ MIDDLE AGE/ *RENIN, blood

1678. **Ishiwata I, Okumura H, Nozawa S, et al:** Effects of estradiol-17beta on growth and differentiation of benign and malignant human uterine cervical squamous cells in vitro. Acta Cytol (Baltimore) 22(6):555-61, Nov-Dec 78
ADULT/ CELL DIFFERENTIATION, drug effects/ CELL DIVISION, drug effects/ CELL MEMBRANE, ultrastructure/ CELL NUCLEUS, ultrastructure/ CELLS, CULTURED/ *CERVIX NEOPLASMS, pathology/ *CERVIX UTERI, cytology/ CERVIX UTERI, drug effects/ CHROMOSOMES, drug effects/ CYTOPLASM, ultrastructure/ *ESTRADIOL, pharmacodynamics/ FIBROBLASTS, drug effects/ HUMAN/ MIDDLE AGE

1679. **Ishizaki F:** Plasma serotonin contents in cerebrovascular disease. J Neural Transm 43(2):133-41, 1978
CEREBRAL HEMORRHAGE, blood/ CEREBRAL INFARCTION, blood/ *CEREBROVASCULAR DISORDERS, blood/ FEMALE/ HUMAN/ HYPERTENSION, blood/ MALE/ MIDDLE AGE/ *SEROTONIN, blood/ SUBARACHNOID HEMORRHAGE, blood/ THROMBOPENIA, blood

1680. **Issekutz AC, Biggar WD:** Effect of methylprednisolone and polymyxin B sulfate on endotoxin-induced inhibition of human neutrophil chemotaxis. J Lab Clin Med 92(6):873-82, Dec 78
*CHEMOTAXIS, LEUKOCYTE, drug effects/ DESOXYCORTICOSTERONE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ *ENDOTOXINS, antagonists & inhibitors/ ESCHERICHIA COLI/ ESTRADIOL, pharmacodynamics/ HUMAN/ HYDROCORTISONE, pharmacodynamics/ *METHYLPREDNISOLONE, pharmacodynamics/ *NEUTROPHILS, immunology/ *POLYMYXIN B, pharmacodynamics/ *POLYMYXINS, pharmacodynamics/ TESTOSTERONE, pharmacodynamics

1681. **Itakura M, Holmes EW:** Human amidophosphoribosyltransferase. An oxygen-sensitive iron-sulfur protein. J Biol Chem 254(2):333-8, 25 Jan 79
AMIDOPHOSPHORIBOSYLTRANSFERASE, isolation & purification/ *AMIDOPHOSPHORIBOSYLTRANSFERASE, metabolism/ CATALASE/ FEMALE/ FREE RADICALS/ HUMAN/ IRON-SULFUR PROTEINS/ KINETICS/ OXYGEN, pharmacodynamics/ *PENTOSYLTRANSFERASES, metabolism/ PHENANTHROLINES, pharmacodynamics/ PLACENTA, enzymology/ PREGNANCY/ SUPEROXIDE DISMUTASE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1682. **Ito A:** Hymenolepis nana: protective immunity against mouse-derived cysticercoids induced by initial inoculation with eggs. Exp Parasitol 117(1):12-9, Nov 78
ANIMAL/ CORTISONE, pharmacodynamics/ FEMALE/ *HYMENOLEPIASIS, immunology/ HYMENOLEPIASIS, parasitology/ HYMENOLEPIS, growth & development/ *HYMENOLEPIS, immunology/ MALE/ MICE/ OVUM, immunology

1683. **Ito S:** [Thyroid gland examination of junior and senior high school girls] Horumon To Rinsho 26(10):1093-5, Oct 78 **(Jpn)**
ADOLESCENCE/ FEMALE/ HUMAN/ JAPAN/ *THYROID DISEASES, occurrence/ *THYROTROPIN, blood/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood

1684. **Ito S, Nakazato Y, Ohga A:** The effect of veratridine on the release of catecholamines from the perfused adrenal gland. Br J Pharmacol 65(2):319-30, Feb 79
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ANIMAL/ CALCIUM, physiology/ *CATECHOLAMINES, metabolism/ GUINEA PIGS/ IN VITRO/ MAGNESIUM, pharmacodynamics/ OUABAIN, pharmacodynamics/ POTASSIUM, pharmacodynamics/ SODIUM, physiology/ TETRODOTOXIN, pharmacodynamics/ TIME FACTORS/ VERATRIDINE, antagonists & inhibitors/ *VERATRIDINE, pharmacodynamics/ *VERATRINE, analogs & derivatives

1685. **Ito T, Hasegawa O, Hatsukano H, et al:** [Evaluation of methylprednisolone pulse therapy in membranoproliferative glomerulonephritis] Nippon Jinzo Gakkai Shi 20(6):682-5, Jun 78 **(Jpn)**
FEMALE/ *GLOMERULONEPHRITIS, drug therapy/ HUMAN/ KIDNEY, pathology/ MALE/ *METHYLPREDNISOLONE, administration & dosage

1686. **Itoh T:** Dose-related response of mouse mamma to some phenothiazine drugs. J Toxicol Sci 3(2):147-52, May 78
ANIMAL/ BEHAVIOR, ANIMAL, drug effects/ BODY WEIGHT, drug effects/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, pharmacodynamics/ FEMALE/ *MAMMAE, drug effects/ MAMMAE, growth & development/ MICE/ MICE, INBRED ICR/ ORGAN WEIGHT, drug effects/ *PHENOTHIAZINES, pharmacodynamics/ UTERUS, drug effects

1687. **Iudaev NA, Fedotov VP, Komolov IS, et al:** Issledovanie biologicheskikh svoistv sinteticheskogo somatostatina. Probl Endokrinol (Mosk) 25(1):75-9, Jan-Feb 79 (Eng. Abstr.) **(Rus)**
ANIMAL/ CELLS, CULTURED/ DEPRESSION, CHEMICAL/ ENGLISH ABSTRACT/ FEMALE/ *HORMONES, SYNTHETIC, pharmacodynamics/ *INSULIN, secretion/ ISLANDS OF LANGERHANS, drug effects/ ISLANDS OF LANGERHANS, secretion/ MALE/ *PITUITARY GLAND, ANTERIOR, drug effects/ PITUITARY GLAND, ANTERIOR, secretion/ PROLACTIN, secretion/ RATS/ *SOMATOTROPIN RELEASE INHIBITING HORMONE, pharmacodynamics/ THYROTROPIN, secretion

1688. **Iumatov EA, Kiiatkin EA:** Dinamika serdechno-sosudistykh funktsii u krys v usloviiakh émotsional'nykh reaktsii samorazdrazheniia i izbeganiia. Zh Vyssh Nerv Deiat 28(6):1254-61, Nov-Dec 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ *BLOOD PRESSURE/ CARDIOVASCULAR SYSTEM, physiology/ ELECTRIC STIMULATION/ *EMOTIONS, physiology/ ENGLISH ABSTRACT/ *ESCAPE REACTION, physiology/ *HEART RATE/ HYPOTHALAMUS, physiology/ HYPOTHALAMUS,

MEDIAL, physiology/ MALE/ RATS/ REACTION TIME, physiology/ *SELF STIMULATION, physiology

1689. **Iunda IF, Imshinetskaia LP, Zubenko NL:** Eksperimental'noe i klinicheskoe obosnovanie konservativnogo lecheniia kriptorkhizma. Klin Khir (12):20–4, Dec 78 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ANIMAL/ CHILD/ CRYPTORCHISM, drug therapy/ *CRYPTORCHISM, surgery/ ENGLISH ABSTRACT/ HORMONES, therapeutic use/ HUMAN/ MALE/ RATS/ VITAMINS, therapeutic use

1690. **Iurisova MN, Klocjkov DV:** Vliianie fotoperiodicheskikh uslovii na gipotalamo–gipofizarnuiu neirosekretornuiu i polovuiu sistemy norki Mustela vison. Zh Evol Biokhim Fiziol 14(6):559–65, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ *GENITALIA, physiology/ HISTOCYTOCHEMISTRY/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ *LIGHT/ MALE/ *MINK, physiology/ NEUROSECRETION/ ORGAN WEIGHT/ OVARY, physiology/ *PERIODICITY/ SEX FACTORS/ TESTIS, physiology/ UTERUS, physiology

1691. **Ivanenko TI, Pivnitskiĭ KK, Fedotov VP:** 11-azasteroids. V. Hormonal properties of 11-azaéstranes. Probl Endokrinol (Mosk) 25(1):62–8, Jan–Feb 79 (Eng. Abstr.) **(Rus)**
ANABOLIC STEROIDS/ ANDROGENS, SYNTHETIC/ ANIMAL/ *AZASTEROIDS, pharmacodynamics/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ ESTRADIOL, pharmacodynamics/ *ESTRANES, pharmacodynamics/ ESTROGEN ANTAGONISTS/ ESTRONE, pharmacodynamics/ FEMALE/ ORGAN WEIGHT, drug effects/ RATS/ *STEROIDS, HETEROCYCLIC, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ *UTERUS, drug effects/ *VAGINA, drug effects

1692. **Ivanov VG, Gogoleva EA, Shikhaleev IuN:** Proizvodstvo i veterinarno-sanitarnyĭ kontrol' produktsii, vypuskaemoĭ spetsializirovannymi zavodami. Veterinariia (1):25–7, Jan 79 **(Rus)**
ANIMAL/ BONE AND BONES/ *FOOD INSPECTION/ FOOD MICROBIOLOGY/ MEAT PRODUCTS, standards/ *MEAT-PACKING INDUSTRY/ MEAT-PACKING INDUSTRY, instrumentation/ USSR

1693. **Ivanov IuV, Dobroslavskaia TL:** Tsitologicheskie issledovaniia gonadotoksicheskogo deĭstviia kompleksa veshchestv, migriruiushchikh iz émalirovannykh izdeliĭ, prednaznachennykh dlia kontakta s pishchevymi produktami. Gig Sanit (2):19–24, Feb 79 (Eng. Abstr.) **(Rus)**
ANIMAL/ CELL COUNT/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ *FOOD HANDLING/ *LACQUER/ MALE/ *PAINT/ RATS/ SPERMATOGENESIS, drug effects/ *SPERMATOZOA, drug effects/ *TESTIS, drug effects/ TIME FACTORS/ *TITANIUM, toxicity

1694. **Ivanova RD, Savitskiĭ GA:** Kolichestvennaia otsenka pronitsaemosti gematofollikuliarnogo bar'era krys. Akush Ginekol (Mosk) (12):55–7, Dec 78 **(Rus)**
ANIMAL/ CADMIUM/ *CELL MEMBRANE PERMEABILITY/ CELL MEMBRANE PERMEABILITY, drug effects/ CHLORIDES, pharmacodynamics/ COMPARATIVE STUDY/ FEMALE/ FLUORESCENT DYES, diagnostic use/ GRAAFIAN FOLLICLE, drug effects/ *GRAAFIAN FOLLICLE, physiology/ METHOTREXATE, pharmacodynamics/ *OVARY, physiology/ RATS

1695. **Ivashchenko AT:** Issledovanie adenozintrifosfataznoĭ aktivnosti iader kletok pecheni i timusa krysy. Biokhimiia 43(11):2064–8, Nov 78 (Eng. Abstr.) **(Rus)**
*ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL/ BICARBONATES, pharmacodynamics/ CATIONS, DIVALENT/ *CELL NUCLEUS, enzymology/ DEOXYRIBONUCLEASE, metabolism/ DINITROPHENOLS, pharmacodynamics/ ENGLISH ABSTRACT/ HYDROGEN-ION CONCENTRATION/ *LIVER, enzymology/ MAGNESIUM, pharmacodynamics/ RATS/ THIOCYANATES, pharmacodynamics/ *THYMUS GLAND, enzymology

1696. **Iveson-Iveson J:** Picture quiz: Cushing's syndrome. Nurs Mirror 148(2):38, 30, 11 Jan 79
CASE REPORT/ *CUSHING'S SYNDROME, nursing/ CUSHING'S SYNDROME, physiopathology/ FEMALE/ HUMAN/ MIDDLE AGE

1697. **Ivic M, Stefanovic V, Koracevic D:** Uticaj litijumovih jona na aktivnost (Na+ + K+)-ATPaze tireiodeje in vitro. Acta Med Iugosl 32(5):401–6, 1978 (Eng. Abstr.) **(Scr)**
*ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM, metabolism/ ENGLISH ABSTRACT/ HUMAN/ IN VITRO/ *LITHIUM, pharmacodynamics/ *THYROID GLAND, drug effects/ THYROID GLAND, enzymology

1698. **Iwami K, Yasumoto K, Fushiki T, et al:** Bovine gamma-glutamyltransferases. Immunological identity and varying affinities for concanavalin A. J Biochem (Tokyo) 84(5):1237–43, Nov 78
BINDING SITES/ BREAST, enzymology/ COLOSTRUM, enzymology/ *CONCANAVALIN A, metabolism/ *GLUTAMYL TRANSPEPTIDASE, immunology/ INTESTINE, SMALL, enzymology/ KIDNEY, enzymology/ LIVER, enzymology/ MEMBRANES, enzymology/ METHYLMANNOSIDES, pharmacodynamics/ MILK, enzymology/ NEURAMINIDASE, metabolism/ PROTEIN BINDING

1699. **Iwamoto HS, Rudolph AM, Keil LC, et al:** Hemodynamic responses of the sheep fetus to vasopressin infusion. Circ Res 44(3):430–6, Mar 79
ANIMAL/ ARGIPRESSIN, blood/ *ARGIPRESSIN, pharmacodynamics/ BLOOD GAS ANALYSIS/ BLOOD PRESSURE, drug effects/ CARDIAC OUTPUT/ FEMALE/ *FETUS, physiology/ HEART RATE, drug effects/ *HEMODYNAMICS/ HYDROGEN-ION CONCENTRATION/ PREGNANCY/ SHEEP/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASCULAR RESISTANCE

1700. **Iwatsu T, Miyaji M:** Subcutaneous cystic granuloma caused by Phialophora verrucosa. Mycopathologia 64(3):165–8, 10 Nov 78
ADULT/ BETAMETHASONE, therapeutic use/ *BUTTOCKS/ CASE REPORT/ FEMALE/ GRANULOMA, complications/ *GRANULOMA, etiology/ GRANULOMA, microbiology/ HUMAN/ LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ *PHIALOPHORA, isolation & purification

1701. **Iyengar R, Swartz TL, Birnbaumer L:** Coupling of glucagon receptor to adenylyl cyclase. Requirement of a receptor-related guanyl nucleotide binding site for coupling of receptor to the enzyme. J Biol Chem 254(4):1119–23, 25 Feb 79
*ADENYL CYCLASE, metabolism/ ANIMAL/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ GLUCAGON, metabolism/ *GLUCAGON, pharmacodynamics/ *GUANOSINE TRIPHOSPHATE, analogs & derivatives/ *GUANOSINE TRIPHOSPHATE, pharmacodynamics/ *GUANYLYL IMIDODIPHOSPHATE, pharmacodynamics/ KINETICS/ *LIVER, enzymology/ RATS/ *RECEPTORS, HORMONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1702. **Izquierdo I, Elisabetsky E:** Physiological and pharmacological dissection of the main factors in the acquisition and retention of shuttle behaviour. pp. 227–48.
In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978. (53 ref.)
AMYGDALOID BODY, drug effects/ AMYGDALOID BODY, physiology/ ANIMAL/ ASSOCIATION, drug effects/ ASSOCIATION, physiology/ AVOIDANCE LEARNING, drug effects/ *AVOIDANCE LEARNING, physiology/ BEHAVIOR, ANIMAL, drug effects/ *BEHAVIOR, ANIMAL, physiology/ CONDITIONING (PSYCHOLOGY), drug effects/ *CONDITIONING (PSYCHOLOGY), physiology/ CONDITIONING, CLASSICAL, drug effects/ CONDITIONING, CLASSICAL, physiology/ CONDITIONING, OPERANT, drug effects/ CONDITIONING, OPERANT, physiology/ ELECTROSHOCK/

HIPPOCAMPUS, drug effects/ HIPPOCAMPUS, physiology/ LIMBIC SYSTEM, drug effects/ LIMBIC SYSTEM, physiology/ *MEMORY, physiology/ MODELS, NEUROLOGICAL/ MONOGRAPH/ PARASYMPATHOMIMETICS, pharmacodynamics/ RATS/ RETENTION (PSYCHOLOGY), drug effects/ *RETENTION (PSYCHOLOGY), physiology/ REVIEW/ SPREADING CORTICAL DEPRESSION/ SYMPATHOMIMETICS, pharmacodynamics

J

1703. **Jäckel W, Heimes J, Rudorff KH, et al:** Einfluss der Schilddrüsenstoffwechsellage auf den Anstieg des cyclischen AMP im Plasma nach Glukagoninjektion.
Verh Dtsch Ges Inn Med (84):1419–22, 1978 **(Ger)**
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ *GLUCAGON, pharmacodynamics/ HUMAN/ HYPERTHYROIDISM, metabolism/ HYPOTHYROIDISM, metabolism/ *THYROID HORMONES, secretion

1704. **Jacobi GH, Altwein JE, Hohenfellner R:** Alterations of peripheral testosterone matabolism after induced hypoprolactinemia in patients with prostatic carcinoma.
Klin Wochenschr 57(1):49–51, 1 Jan 79
AGED/ DEFICIENCY DISEASES, chemically induced/ HUMAN/ MALE/ *PROLACTIN, blood/ PROLACTIN, deficiency/ *PROSTATIC NEOPLASMS, metabolism/ TESTOSTERONE, administration & dosage/ TESTOSTERONE, blood/ *TESTOSTERONE, metabolism/ 2-BROMOERGOCRYPTINE, administration & dosage

1705. **Jacobi GH, Moore RJ, Wilson JD:** Etude expérimentale sur la pathogénie de l'adénome prostatique.
J Urol Nephrol (Paris) 83 Suppl 2:507–13, 1977 **(Fre)**
*ANDROGENS, metabolism/ *ANDROSTANEDIOL/ ANDROSTANEDIOL, biosynthesis/ *ANDROSTANES/ ANDROSTANES, biosynthesis/ ANIMAL/ DOGS/ HUMAN/ MALE/ PROSTATIC HYPERTROPHY, chemically induced/ *PROSTATIC HYPERTROPHY, metabolism/ STANOLONE, metabolism/ TESTOSTERONE, metabolism/ 3-HYDROXYSTEROID DEHYDROGENASES, metabolism

1706. **Jacobowitz DM, O'Donohue TL:** alpha-Melanocyte stimulating hormone: immunohistochemical identification and mapping in neurons of rat brain. Proc Natl Acad Sci USA 75(12):6300–4, Dec 78
ADRENERGIC FIBERS, metabolism/ BRAIN MAPPING/ *BRAIN, metabolism/ CEREBELLUM, metabolism/ FLUORESCENT ANTIBODY TECHNIC/ MEDULLA OBLONGATA, metabolism/ MESENCEPHALON, metabolism/ MSH, immunology/ *MSH, metabolism/ *NEURONS, metabolism

1707. **Jacobs PA, Mayer M, Rudak E, et al:** More on marker X chromosomes, mental retardation and macro-orchidism [letter] N Engl J Med 300(13):737–8, 29 Mar 79
HUMAN/ MALE/ *MENTAL RETARDATION, familial & genetic/ *SEX CHROMOSOME ABNORMALITIES/ *TESTIS, abnormalities

1708. **Jacobs RR, McClain O:** Methylprednisolone in posttraumatic pulmonary insufficiency. Clin Orthop (134):371–6, Jul-Aug 78
ANIMAL/ DOGS/ *FRACTURES, complications/ FRACTURES, physiopathology/ FRACTURES, CLOSED, complications/ LUNG DISEASES, metabolism/ METHYLPREDNISOLONE, administration & dosage/ METHYLPREDNISOLONE, pharmacodynamics/ *METHYLPREDNISOLONE, therapeutic use/ OXYGEN CONSUMPTION/ PULMONARY CIRCULATION, drug effects/ *RESPIRATORY DISTRESS SYNDROME, ADULT, drug therapy/ RESPIRATORY DISTRESS SYNDROME, ADULT, etiology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASCULAR RESISTANCE, drug effects

1709. **Jacobs TP, Johnson DG, Williams RH:** Epinephrine secretion from the perfused adrenal gland produced by scorpion toxin.
Toxicol Appl Pharmacol 46(2):405–9, Nov 78
ACETYLCHOLINE, pharmacodynamics/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, secretion/ ANIMAL/ CATTLE/ *EPINEPHRINE, secretion/ IN VITRO/ MALE/ POTASSIUM CHLORIDE, pharmacodynamics/ *SCORPION VENOMS, pharmacodynamics/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1710. **Jacobsen BB, Peitersen B, Hummer L:** Serum concentrations of thyrotropin, thyroid hormones and thyroid hormone-binding proteins during acute and recovery stages of idiopathic respiratory distress syndrome.
Acta Paediatr Scand 68(2):257–64, Mar 79
HUMAN/ INFANT, NEWBORN/ INFANT, PREMATURE/ *INFANT, PREMATURE, DISEASES, blood/ PREALBUMIN, analysis/ PROTEIN BINDING/ *RESPIRATORY DISTRESS SYNDROME, blood/ SERUM ALBUMIN, analysis/ *THYROTROPIN, blood/ *THYROXINE BINDING PROTEIN, metabolism/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood

1711. **Jacobson S, Butters N, Tovsky NJ:** Afferent and efferent subcortical projections of behaviorally defined sectors of prefrontal granular cortex. Brain Res 159(2):279–96, 29 Dec 78
AFFERENT PATHWAYS, anatomy & histology/ ANIMAL/ *BEHAVIOR, ANIMAL, physiology/ CAUDATE NUCLEUS, anatomy & histology/ *CEREBRAL CORTEX, anatomy & histology/ DISCRIMINATION LEARNING, physiology/ EFFERENT PATHWAYS, anatomy & histology/ HORSERADISH PEROXIDASE/ HYPOTHALAMUS, anatomy & histology/ MONKEYS/ *SPACE PERCEPTION, physiology/ THALAMIC NUCLEI, anatomy & histology

1712. **Jacoby I, Mandell LA, Weinstein L:** The chemoprophylaxis of infection. A brief review of recent studies.
Med Clin North Am 62(5):1083–98, Sep 78
ADULT/ AGED/ AMANTADINE, therapeutic use/ *ANTIBIOTICS, therapeutic use/ *BACTERIAL INFECTIONS, prevention & control/ BONE AND BONES, surgery/ CHILD/ ENDOCARDITIS, BACTERIAL, prevention & control/ FEMALE/ HEART SURGERY/ HUMAN/ HYSTERECTOMY, VAGINAL/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, prevention & control/ *INFLUENZA, prevention & control/ MENINGOCOCCAL INFECTIONS, prevention & control/ POSTOPERATIVE COMPLICATIONS, prevention & control/ PREGNANCY/ RECURRENCE/ RHEUMATIC FEVER, prevention & control/ STREPTOCOCCAL INFECTIONS, prevention & control/ TUBERCULOSIS, prevention & control

1713. **Jacoby JH, Bryce GF:** Monoaminergic modulation of pancreatic endocrine secretion. Gen Pharmacol 9(6):411–9, 1978 (107 ref.)
ANIMAL/ BIOGENIC AMINES, metabolism/ *BIOGENIC AMINES, physiology/ HUMAN/ ISLANDS OF LANGERHANS, innervation/ ISLANDS OF LANGERHANS, metabolism/ *ISLANDS OF LANGERHANS, secretion/ REVIEW/ SEROTONIN, physiology/ SOMATOTROPIN RELEASE INHIBITING HORMONE, physiology/ SYMPATHETIC NERVOUS SYSTEM, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1714. **Jacoby JH, Bryce GF:** The acute pharmacologic effects of serotonin on the release of insulin and glucagon in the intact rat. Arch Int Pharmacodyn Ther 235(2):254–70, Oct 78
ADRENAL MEDULLA, physiology/ ANIMAL/ BLOOD SUGAR, metabolism/ *GLUCAGON, metabolism/ HYDROXYTRYPTOPHAN, pharmacodynamics/ INSULIN, blood/ *INSULIN, metabolism/ MALE/ METHYSERGIDE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ RESERPINE, pharmacodynamics/ *SEROTONIN, pharmacodynamics

1715. **Jaffe BM:** To be or not to VIP [editorial]
Gastroenterology 76(2):417–20, Feb 79
CHOLERA TOXIN/ DIARRHEA, blood/ DIARRHEA, chemically induced/ *DIARRHEA, etiology/ *GASTROINTESTINAL HORMONES/ GASTROINTESTINAL HORMONES, blood/ GASTROINTESTINAL HORMONES, pharmacodynamics/ GLUCOCORTICOIDS,

therapeutic use/ HUMAN/ INFUSIONS, INTRA-ARTERIAL/ *VASOACTIVE INTESTINAL PEPTIDE/ VASOACTIVE INTESTINAL PEPTIDE, blood/ VASOACTIVE INTESTINAL PEPTIDE, pharmacodynamics/ WATER-ELECTROLYTE IMBALANCE, chemically induced

1716. **Jagus R:** RNA metabolism in an androgen-responsive mouse mammary carcinoma, Shionogi 115, in culture.
Exp Cell Res 118(1):115-25, Jan 79
*CELL DIVISION/ CELL NUMBER/ CELLS, CULTURED/ DNA, NEOPLASM, biosynthesis/ KINETICS/ POLY A/ *RNA, MESSENGER, biosynthesis/ *RNA, NEOPLASM, metabolism/ *RNA, RIBOSOMAL, biosynthesis/ *TESTOSTERONE, pharmacodynamics

1717. **Jahnke K, Maas B, Mödder G:** Hypakusis bei erworbener Hypothyreose. HNO 27(1):1-6, Jan 79 (Eng. Abstr.) **(Ger)**
ADOLESCENCE/ ADULT/ AGED/ AUDIOMETRY/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HEARING LOSS, CONDUCTIVE, etiology/ *HEARING LOSS, PARTIAL, etiology/ HEARING LOSS, SENSORINEURAL, etiology/ HUMAN/ *HYPOTHYROIDISM, complications/ HYPOTHYROIDISM, etiology/ HYPOTHYROIDISM, radionuclide imaging/ MALE/ MIDDLE AGE

1718. **Jain SK:** Synthesis of a specific protein by adenosine 3',5'-cyclic monophosphate in rat uterus.
Indian J Biochem Biophys 15(4):345-7, Aug 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ FEMALE/ *PROTEINS, biosynthesis/ RATS/ *UTERUS, metabolism

1719. **Jakobs KH, Saur W, Schultz G:** Metal and metal-ATP interactions with human platelet adenylate cyclase: effects of alpha adrenergic inhibition. Mol Pharmacol 14(6):1073-8, Nov 78
*ADENOSINE TRIPHOSPHATE, pharmacodynamics/ *ADENYL CYCLASE, blood/ *ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, enzymology/ DRUG INTERACTIONS/ EPINEPHRINE, pharmacodynamics/ HUMAN/ IN VITRO/ KINETICS/ MAGNESIUM, pharmacodynamics/ *METALS, pharmacodynamics

1720. **Jallageas M, Tamisier A, Assenmacher I:** A comparative study of the annual cycles in sexual and thyroid function in male Peking ducks (Anas platyrhynchos) and teal (Anas crecca).
Gen Comp Endocrinol 36(2):201-10, Oct 78
ANIMAL/ BIRDS/ COMPARATIVE STUDY/ DUCKS/ *LH, blood/ MALE/ ORGAN WEIGHT/ *PERIODICITY/ SEASONS/ SEX BEHAVIOR, ANIMAL/ SPECIES SPECIFICITY/ *TESTIS, physiology/ *TESTOSTERONE, blood/ *THYROID GLAND, physiology/ *THYROXINE, blood

1721. **James HE:** Effects of steroids on behavior, electrophysiology, water content and intracranial pressure in cerebral cytotoxic edema. Pharmacol Biochem Behav 9(5):653-7, Nov 78
ANIMAL/ *BEHAVIOR, ANIMAL, drug effects/ *BODY WATER, metabolism/ BRAIN EDEMA, chemically induced/ BRAIN EDEMA, metabolism/ *BRAIN EDEMA, physiopathology/ DEXAMETHASONE, pharmacodynamics/ ELECTROENCEPHALOGRAPHY/ *GLUCOCORTICOIDS, SYNTHETIC, pharmacodynamics/ *INTRACRANIAL PRESSURE, drug effects/ METHYLPREDNISOLONE, pharmacodynamics/ RABBITS/ SUCCINATES, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 6-AMINONICOTINAMIDE, pharmacodynamics

1722. **James MF, Spanos E, Robinson CJ, et al:** Effect of anterior pituitary and related peptide hormones on calcium absorption and the metabolism of vitamin D [proceedings]
J Endocrinol 79(2):38P-39P, Nov 78
ANIMAL/ *CALCIUM, metabolism/ FEMALE/ *INTESTINAL ABSORPTION, drug effects/ PLACENTAL LACTOGEN, pharmacodynamics/ PREGNANCY/ *PROLACTIN, pharmacodynamics/ RATS/ *SOMATOTROPIN, pharmacodynamics/ *VITAMIN D, metabolism

1723. **James RW, Heywood R, Colley J, et al:** The oral toxicity of 1-amino-3-chloro-propanol hydrochloride (CL 88236) in rats. Toxicology 11(3):235-43, Nov 78
ANIMAL/ *CONTRACEPTIVE AGENTS, MALE, toxicity/ EPIDIDYMIS, drug effects/ EPIDIDYMIS, pathology/ FEMALE/ MALE/ ORGAN WEIGHT, drug effects/ *PROPANOLAMINES, toxicity/ RATS/ SEMINIFEROUS TUBULES, drug effects/ SEMINIFEROUS TUBULES, pathology/ TESTIS, drug effects/ TESTIS, pathology

1724. **James WH:** Placentation, anencephaly, and spina bifida [letter]
J Med Genet 15(5):405-6, Oct 78
*DEFICIENCY DISEASES, physiopathology/ DISEASES IN TWINS/ HUMAN/ *NEURAL TUBE DEFECTS, etiology/ *PLACENTA, physiopathology

1725. **Jamieson SW, Burton NA, Reitz BA, et al:** Survival of heart allografts in rats treated with azathioprine and sodium salicylate. Lancet 1(8108):130-1, 20 Jan 79
ANIMAL/ *AZATHIOPRINE, therapeutic use/ COMPARATIVE STUDY/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ *GRAFT SURVIVAL, drug effects/ *HEART, transplantation/ MALE/ METHYLPREDNISOLONE, therapeutic use/ PROMETHAZINE, therapeutic use/ RATS/ *SODIUM SALICYLATE, therapeutic use/ TIME FACTORS/ TRANSPLANTATION, ALLOGENEIC/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1726. **Jan JE:** Differences in biological function between the blind and the sighted. Dev Med Child Neurol 20(5):668-70, Oct 78
*BLINDNESS, physiopathology/ *CIRCADIAN RHYTHM/ HUMAN/ MELATONIN, metabolism/ MELATONIN, physiology/ PINEAL BODY, metabolism/ *PINEAL BODY, physiopathology

1727. **Janecek P, Welti HJ:** Etude épidémiologique de l'accouchement prématuré 'idiopathique' dans le Service d'Obstétrique du Centre hospitalier universitaire Vaudois, Lausanne. Gynaekol Rundsch 18 Suppl 1:80-5, 1978 **(Fre)**
ADOLESCENCE/ ADULT/ AMNIOTIC FLUID/ *EPIDEMIOLOGIC METHODS/ FEMALE/ FETAL DISEASES, complications/ HUMAN/ INFANT, NEWBORN/ *LABOR, PREMATURE, etiology/ MATERNAL AGE/ MIDDLE AGE/ PARITY/ PLACENTA DISORDERS, complications/ PREGNANCY COMPLICATIONS/ PREGNANCY/ SWITZERLAND

1728. **Janiec W, Piekarska T, Paletko Z, et al:** The effect of drugs stimulating central dopaminergic system on transformation of exogenous adenine into c-AMP.
Pol J Pharmacol Pharm 30(4):529-35, Jul-Aug 78
*ADENINE, metabolism/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ ADENOSINE TRIPHOSPHATE, metabolism/ AMANTADINE, pharmacodynamics/ ANIMAL/ APOMORPHINE, pharmacodynamics/ BIOTRANSFORMATION/ CORPUS STRIATUM, drug effects/ *CORPUS STRIATUM, metabolism/ D 145, pharmacodynamics/ DOPAMINE, pharmacodynamics/ *DOPAMINE, physiology/ HALOPERIDOL, pharmacodynamics/ IN VITRO/ MALE/ RATS

1729. **Janka GE, Lau BM, Meister P, et al:** Non-Hodgkin-Lymphon im Kindersalter: Verbesserte Prognose durch aggressive Kombinationschemotherapie und Radiotherapie.
Klin Paediatr 191(1):40-6, Jan 79 (Eng. Abstr.) **(Ger)**
ADOLESCENCE/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ CYCLOPHOSPHAMIDE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LYMPHOMA, diagnosis/ LYMPHOMA, drug therapy/ LYMPHOMA, radiotherapy/ *LYMPHOMA, therapy/ MALE/ MERCAPTOPURINE, therapeutic use/ METHOTREXATE, therapeutic use/ PREDNISONE, therapeutic use/ PROGNOSIS/ REMISSION/ VINCRISTINE, therapeutic use

1730. **Jänner M, Schütte B, Breitbart E:** Lichen sclerosus et atrophicus penis bei präpubertären Knaben. Z Hautkr 53(24):923-8, 15 Dec 78 **(Ger)**
ATROPHY/ CHILD/ CIRCUMCISION/ HUMAN/ HYDROCORTISONE, therapeutic use/ *LICHEN PLANUS, diagnosis/ LICHEN PLANUS, drug therapy/ LICHEN PLANUS, pathology/ LICHEN PLANUS, surgery/ MALE/ *PENILE DISEASES,

diagnosis/ PENILE DISEASES, drug therapy/ PENILE DISEASES, pathology/ PENILE DISEASES, surgery/ PUBERTY

1731. **Janssen JW, van Hardeveld C, Kassenaar AA:** A methodological study in measuring T3 and T4 concentration in red and white skeletal muscle and plasma of euthyroid rats. Acta Endocrinol (Copenh) 90(1):81–9, Jan 79
ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL/ FEMALE/ *MUSCLE, SMOOTH, analysis/ *MUSCLES, analysis/ *RADIOIMMUNOASSAY, methods/ RATS/ *THYROXINE, analysis/ THYROXINE, blood/ *TRIIODOTHYRONINE, analysis/ TRIIODOTHYRONINE, blood

1732. **Januszewicz W, Wocial B:** Urinary excretion of catecholamines and their metabolites in patients with renovascular hypertension. Jpn Heart J 19(4):468–78, Jul 78
ADOLESCENCE/ ADULT/ *CATECHOLAMINES, urine/ DIET, SALT-FREE/ DOPAMINE, urine/ EPINEPHRINE, urine/ FEMALE/ HUMAN/ *HYPERTENSION, RENAL, urine/ *HYPERTENSION, RENOVASCULAR, urine/ MALE/ MIDDLE AGE/ NOREPINEPHRINE, urine/ RENIN, blood

1733. **Jaskoll TF, Maderson PF, Weiner BE:** The differentiation of the columella in avian embryos treated with hadacidin with some observations on other skeletal abnormalities. Teratology 18(3):321–32, Dec 78
ABNORMALITIES, DRUG-INDUCED, classification/ ANIMAL/ *BONE AND BONES, abnormalities/ BONE AND BONES, drug effects/ CHICK EMBRYO/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *EAR, MIDDLE, abnormalities/ EAR, MIDDLE, drug effects/ EAR, MIDDLE, pathology/ FORMALDEHYDE, analogs & derivatives/ FORMALDEHYDE, pharmacodynamics/ *GLYCINE, analogs & derivatives/ GLYCINE, pharmacodynamics/ *TERATOGENS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1734. **Jauhonen VP, Hassinen IE:** Metabolic and hormonal changes during intravenous infusion of ethanol, acetaldehyde and acetate in normal and adrenalectomized rats. Arch Biochem Biophys 191(1):358–66, Nov 78
*ACETALDEHYDE, pharmacodynamics/ *ACETATES, pharmacodynamics/ ADRENALECTOMY/ *ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL/ BLOOD SUGAR, metabolism/ FASTING/ FATTY ACIDS, NONESTERIFIED, blood/ GLUCAGON, blood/ INSULIN, blood/ LIVER GLYCOGEN, metabolism/ MALE/ RATS

1735. **Javadpour N, McIntire KR, Waldmann TA:** Human chorionic gonadotropin (HCG) and alpha-fetoprotein (AFP) in sera and tumor cells of patients with testicular seminoma: a prospective study. Cancer 42(6):2768–72, Dec 78
*ALPHA FETOPROTEINS, analysis/ *DYSGERMINOMA, analysis/ DYSGERMINOMA, blood/ DYSGERMINOMA, diagnosis/ *GONADOTROPINS, CHORIONIC, analysis/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ MALE/ *TESTICULAR NEOPLASMS, analysis/ TESTICULAR NEOPLASMS, blood/ TESTICULAR NEOPLASMS, diagnosis

1736. **Javadpour N, Bergman S:** Recent advances in testicular cancer. Curr Probl Surg 15(2):1–64, Feb 78 (125 ref.)
ADOLESCENCE/ ADULT/ CASE REPORT/ CHILD/ *CHORIOCARCINOMA/ CHORIOCARCINOMA, classification/ CHORIOCARCINOMA, diagnosis/ CHORIOCARCINOMA, therapy/ *DYSGERMINOMA/ DYSGERMINOMA, classification/ DYSGERMINOMA, diagnosis/ DYSGERMINOMA, therapy/ HUMAN/ MALE/ MIDDLE AGE/ REVIEW/ *TERATOID TUMOR/ TERATOID TUMOR, classification/ TERATOID TUMOR, diagnosis/ TERATOID TUMOR, therapy/ *TESTICULAR NEOPLASMS/ *TESTICULAR NEOPLASMS, classification/ TESTICULAR NEOPLASMS, diagnosis/ TESTICULAR NEOPLASMS, therapy

1737. **Javadpour N, McIntire KR, Waldmann TA, et al:** The role of alpha-fetoprotein and human chorionic gonadotropin in seminoma. J Urol 120(6):687–90, Dec 78
*ALPHA FETOPROTEINS, analysis/ CHORIOCARCINOMA, blood/ *DYSGERMINOMA, blood/ DYSGERMINOMA, pathology/ DYSGERMINOMA, therapy/ *GONADOTROPINS, CHORIONIC, blood/ HUMAN/ MALE/ PROSPECTIVE STUDIES/ *TESTICULAR NEOPLASMS, blood/ TESTICULAR NEOPLASMS, pathology/ TESTICULAR NEOPLASMS, therapy

1738. **Javadpour N:** The National Cancer Institute experience with testicular cancer. J Urol 120(6):651–9, Dec 78
ADOLESCENCE/ ADULT/ ALPHA FETOPROTEINS, analysis/ CHILD/ DYSGERMINOMA, blood/ GONADOTROPINS, CHORIONIC, blood/ GONADOTROPINS, CHORIONIC, urine/ HUMAN/ LYMPH NODE EXCISION/ MALE/ NEOPLASM STAGING/ NEOPLASMS, MULTIPLE PRIMARY/ RADIOIMMUNOASSAY/ *TESTICULAR NEOPLASMS/ TESTICULAR NEOPLASMS, immunology/ TESTICULAR NEOPLASMS, pathology/ TESTICULAR NEOPLASMS, radiography/ TESTICULAR NEOPLASMS, therapy/ TOMOGRAPHY, COMPUTERIZED AXIAL/ UNITED STATES NATIONAL INSTITUTES OF HEALTH/ UNITED STATES

1739. **Javadpour N, Woltering EA, McIntosh CL:** Thoracoabdominal-median sternotomy for resection of primary adrenal carcinoma extending into inferior vena cava and hepatic vein. Urology 12(6):626–7, Dec 78
ABDOMEN/ ADRENAL GLAND NEOPLASMS, pathology/ *ADRENAL GLAND NEOPLASMS, surgery/ ADULT/ CASE REPORT/ FEMALE/ *HEPATIC VEINS/ HUMAN/ METHODS/ STERNUM/ THORAX/ *VENA CAVA, INFERIOR

1740. **Javaid JI, Perel JM, Davis JM:** Inhibition of biogenic amines uptake by imipramine, desipramine, 2 OH-imipramine and 2 OH-desipramine in rat brain. Life Sci 24(1):21–8, 1 Jan 79
ANIMAL/ *BIOGENIC AMINES, metabolism/ *BRAIN, drug effects/ BRAIN, metabolism/ DESIPRAMINE, metabolism/ *DESIPRAMINE, pharmacodynamics/ DOPAMINE, metabolism/ IMIPRAMINE, metabolism/ *IMIPRAMINE, pharmacodynamics/ IN VITRO/ KINETICS/ MALE/ MOTOR ACTIVITY, drug effects/ NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, metabolism/ SYNAPTOSOMES, drug effects/ SYNAPTOSOMES, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1741. **Javitt NB:** Hyperbilirubinemic and cholestatic syndromes. New concepts aiding recognition and management. Postgrad Med 65(1):120–4, 127–8, 130, Jan 79
ALANINE AMINOTRANSFERASE, blood/ ALKALINE PHOSPHATASE, blood/ ASPARTATE AMINOTRANSFERASE, blood/ BILE ACIDS AND SALTS, blood/ BILIARY TRACT DISEASES, diagnosis/ BILIRUBIN, metabolism/ CHOLANGIOGRAPHY/ CHOLANGITIS, diagnosis/ CHOLECYSTOGRAPHY/ CHOLESTASIS, chemically induced/ *CHOLESTASIS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ GLUTAMYL TRANSPEPTIDASE, blood/ HUMAN/ *HYPERBILIRUBINEMIA, diagnosis/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, diagnosis/ NUCLEOTIDASES, blood/ PREGNANCY/ SEX HORMONES, adverse effects/ SYNDROME

1742. **Jawad MJ, Wilson EA, Kincaid HL:** Improved radioimmunoassay of urinary estriol. Clin Chem 25(1):99–102, Jan 79
COMPARATIVE STUDY/ CROSS REACTIONS/ *ESTRIOL, urine/ FEMALE/ HUMAN/ MALE/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ RADIOIMMUNOASSAY, methods

1743. **Jawadi MH, Kirsch W, Lock JP, et al:** Hydrocephalus and amenorrhea. Obstet Gynecol 53(2):263–6, Feb 79
ADULT/ *AMENORRHEA, etiology/ ASTROCYTOMA, complications/ CASE REPORT/ CEREBRAL VENTRICLE NEOPLASMS, complications/ CEREBROSPINAL FLUID SHUNTS/ FEMALE/ HUMAN/ *HYDROCEPHALUS, complications/ HYDROCEPHALUS, surgery/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ LEVODOPA, diagnostic use/ LH-FSH RELEASING HORMONE, diagnostic use/

PITUITARY-ADRENAL FUNCTION TESTS/ PROLACTIN, blood/ THYROTROPIN, blood/ THYROXINE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1744. **Jean-Faucher C, Berger M, de Turckheim M, et al:** Effets de la restriction sociale et de l'absence d'expérience sexuelle sur la maturation sexuelle de la souris mâle. Physiol Behav 21(4):491-6, Oct 78 (Eng. Abstr.) **(Fre)**
AGING/ ANIMAL/ BODY WEIGHT/ ENGLISH ABSTRACT/ MALE/ MICE/ ORGAN WEIGHT/ SEMINAL VESICLES, anatomy & histology/ *SEX BEHAVIOR, ANIMAL, physiology/ *SEX MATURATION/ *SOCIAL ENVIRONMENT/ TESTIS, anatomy & histology/ TESTIS, metabolism/ TESTOSTERONE, blood/ TESTOSTERONE, metabolism

1745. **Al-Jeboory AA, Marshall RJ:** Correlation between the effects of salbutamol on contractions and cyclic AMP content of isolated fast-and slow-contracting muscles of the guinea pig. Naunyn Schmiedebergs Arch Pharmacol 305(3):201-6, 27 Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ALBUTEROL, pharmacodynamics/ ANIMAL/ FEMALE/ GUINEA PIGS/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ MALE/ *MUSCLE CONTRACTION, drug effects/ MUSCLES, drug effects/ *MUSCLES, metabolism/ SYMPATHOMIMETICS, pharmacodynamics

1746. **Jędrzejewski R, Rózga J, Marat J:** Nowe próby zachowawczego leczenia choroby wrzodowej. Pol Przegl Chir 50(9):791-5, Sep 78 **(Pol)**
*CIMETIDINE, therapeutic use/ *DUODENAL ULCER, drug therapy/ *GUANIDINES, therapeutic use/ HUMAN/ PROSTAGLANDINS, therapeutic use/ *STOMACH ULCER, drug therapy

1747. **Jegasothy BV, Namba Y, Waksman BH:** Regulatory substances produced by lymphocytes--VII. IDS (inhibitor of DNA synthesis) inhibits stimulated lymphocyte proliferation by activation of membrane adenylate cyclase at a restriction point in late G1. Immunochemistry 15(8):551-5, Aug 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ *ADENYL CYCLASE, metabolism/ ANIMAL/ CELL MEMBRANE, enzymology/ *DNA, biosynthesis/ ENZYME ACTIVATION, drug effects/ *GLYCOPROTEINS, pharmacodynamics/ IMIDAZOLES, pharmacodynamics/ INTERPHASE/ LYMPH NODES, cytology/ *LYMPHOCYTE TRANSFORMATION, drug effects/ LYMPHOCYTES, cytology/ *LYMPHOCYTES, enzymology/ PHOSPHODIESTERASES, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 1-METHYL-3-ISOBUTYLXANTHINE, pharmacodynamics

1748. **Jelic S, Pajevic M, Miletic V, et al:** Hemolitička anemija sa imunim Xga antitelima u serumu i stečenim deficitim IgM. Srp Arh Celok Lek 106(1):57-62, 1978 (Eng. Abstr.) **(Scc)**
ANEMIA, HEMOLYTIC, complications/ *ANEMIA, HEMOLYTIC, immunology/ *BLOOD GROUPS/ CASE REPORT/ *DYSGAMMAGLOBULINEMIA, complications/ ENGLISH ABSTRACT/ HUMAN/ *IGM/ *ISOANTIGENS, analysis/ MALE/ MIDDLE AGE/ *SEX CHROMOSOMES/ *X CHROMOSOME

1749. **Jellinek G:** Izmeneniia v éndometrii pri ispol'zovanii gormonal'nykh preparatov i gormonal'nykh kontratseptivov. Arkh Patol 40(11):36-45, 1978 (Eng. Abstr.) **(Rus)**
ADULT/ *CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, COMBINED, adverse effects/ *CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ DRUG COMBINATIONS/ *ENDOMETRIUM, drug effects/ ENDOMETRIUM, pathology/ ENGLISH ABSTRACT/ EPITHELIUM, drug effects/ *ESTROGENS, adverse effects/ ESTROGENS, SYNTHETIC, adverse effects/ FEMALE/ HUMAN/ MENSTRUATION, drug effects/ PROGESTERONE, adverse effects/ TIME FACTORS

1750. **Jemmali M, Ueno Y, Ishii K, et al:** Natural occurrence of trichothecenes (nivalenol, deoxynivalenol, T2) and zearalenone in corn. Experientia 34(10):1333-4, 15 Oct 78
*ANIMAL FEED, analysis/ ANIMAL/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY, THIN LAYER/ *CORN, analysis/ *EPOXYTRICHOTHECENES, analysis/ *RESORCINOLS, analysis/ *SESQUITERPENES, analysis/ STERILITY, chemically induced/ STERILITY, veterinary/ *ZEARALENONE, analysis

1751. **Jeng SS, Wan WC, Chang CF:** Existence of an estrogen-like compound in the ovary of the shrimp Parapenaeus fissurus. Gen Comp Endocrinol 36(2):211-4, Oct 78
ANIMAL/ CHROMATOGRAPHY, GAS/ ESTRADIOL, analysis/ *ESTROGENS, analysis/ ESTRONE, analysis/ FEMALE/ *OVARY, analysis/ SHRIMP

1752. **Jenkin G, McMillen IC, Thorburn GD:** The development of fetal hypothalamic-pituitary gonadal adrenal function. Contrib Gynecol Obstet 5:58-90, 1979 (158 ref.)
ADRENAL CORTEX HORMONES, physiology/ ANIMAL/ CELL DIFFERENTIATION/ FEMALE/ GONADOTROPINS, PITUITARY, physiology/ *GONADS, embryology/ GONADS, physiology/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, embryology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ *PITUITARY-ADRENAL SYSTEM, embryology/ PITUITARY-ADRENAL SYSTEM, physiology/ PREGNANCY/ PROLACTIN, blood/ REVIEW/ SEX DIFFERENTIATION/ SHEEP/ SOMATOTROPIN, blood

1753. **Jenkins AD, Turner TT, Howards SS:** Physiology of the male reproductive system. Urol Clin North Am 5(3):437-50, Oct 78
ADOLESCENCE/ ADULT/ EPIDIDYMIS, physiology/ GENITALIA, MALE, embryology/ *GENITALIA, MALE, physiology/ HUMAN/ MALE/ PENIS, physiology/ SPERM CAPACITATION/ SPERM TRANSPORT/ SPERMATOGENESIS/ SPERMATOZOA, cytology/ TESTIS, anatomy & histology/ TESTIS, embryology/ TESTIS, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1754. **Jensen RT, Moody T, Pert C, et al:** Interaction of bombesin and litorin with specific membrane receptors on pancreatic acinar cells. Proc Natl Acad Sci USA 75(12):6139-43, Dec 78
AMYLASES, secretion/ ANIMAL/ *BOMBESIN, pharmacodynamics/ CALCIUM, metabolism/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ GUINEA PIGS/ KINETICS/ MALE/ OLIGOPEPTIDES, metabolism/ *OLIGOPEPTIDES, pharmacodynamics/ *PANCREAS, drug effects/ PANCREAS, metabolism/ PANCREAS, secretion/ *PEPTIDES, pharmacodynamics/ RECEPTORS, DRUG, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP

1755. **Jequier AM, Pogmore JR:** Plasma sex hormone binding globulin and oestrogen therapy [proceedings] Br J Clin Pharmacol 6(5):464P, Nov 78
*ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ *SEX HORMONE BINDING GLOBULIN, metabolism

1756. **Jeschke BU, Stoye M:** Untersuchungen über die galaktogene Transmission dritter Larven von Ancylostoma caninum Ercolani 1859 (Ancylostomidae) bei paratenischen Wirten. Zentralbl Veterinaermed [B] 25(8):623-40, Oct 78 (Eng. Abstr.) **(Ger)**
*ANCYLOSTOMA, growth & development/ *ANCYLOSTOMIASIS, transmission/ ANIMAL/ CATTLE/ DISEASE VECTORS/ DOGS/ ENGLISH ABSTRACT/ GOATS/ LACTATION/ MICE/ SHEEP

1757. **Jessurun RF, Struyvenberg A, Dorhout Mees EJ:** Value of the spironolactone test in the diagnosis of primary hyperaldosteronism. Neth J Med 22(1):23-6, 1979
ADULT/ ALDOSTERONE, urine/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM, diagnosis/ HYPERALDOSTERONISM, urine/ HYPERTENSION, urine/ MALE/ MIDDLE AGE/ POTASSIUM, urine/ SODIUM CHLORIDE, diagnostic use/ SODIUM, urine/ *SPIRONOLACTONE, diagnostic use

1758 **Jick H, Watkins RN, Hunter JR, et al:** Replacement estrogens and endometrial cancer. N Engl J Med 300(5):218-22, 1 Feb 79
ESTROGENS, administration & dosage/ *ESTROGENS, adverse effects/ FEMALE/ HUMAN/ MIDDLE AGE/ UNITED STATES GOV'T

SUPPORTED, P.H.S./ *UTERINE NEOPLASMS, chemically induced/ UTERINE NEOPLASMS, occurrence/ WASHINGTON

1759. **Jina R, Baveja R, Singh M:** Vaginal cytology during oral contraception. J Obstet Gynaecol India 28(3):380–2, Jun 78
*CONTRACEPTIVES, ORAL, pharmacodynamics/ *CONTRACEPTIVES, ORAL, COMBINED, pharmacodynamics/ FEMALE/ HUMAN/ *VAGINA, cytology

1760. **Joh TH, Park DH, Reis DJ:** Direct phosphorylation of brain tyrosine hydroxylase by cyclic AMP-dependent protein kinase: mechanism of enzyme activation.
Proc Natl Acad Sci USA 75(10):4744–8, Oct 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *BRAIN, enzymology/ ENZYME ACTIVATION/ KINETICS/ PHOSPHORYLATION/ *PROTEIN KINASE, metabolism/ RATS/ *TYROSINE HYDROXYLASE, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1761. **Johannisson E:** Aspects of the ultrastructure and function of the human fetal adrenal cortex. Contrib Gynecol Obstet 5:109–30, 1979 (74 ref.)
*ADRENAL CORTEX, embryology/ ADRENAL CORTEX, metabolism/ ADRENAL CORTEX, ultrastructure/ CORTICOTROPIN, metabolism/ GESTATIONAL AGE/ GONADOTROPINS, CHORIONIC, metabolism/ HUMAN/ PREGNANCY/ PREGNENOLONE, metabolism/ PROGESTERONE, metabolism/ REVIEW

1762. **Johannsen R, Laube H, Graef V, et al:** HLA-assoziierte Vererbung des 21-Hydroxylase-Defektes beim angeborenen adrenogenitalen Syndrom. Verh Dtsch Ges Inn Med (84):1412–6, 1978 **(Ger)**
*ADRENOGENITAL SYNDROME, familial & genetic/ HUMAN/ *HYDROXYLASES, deficiency/ HL-A ANTIGENS, analysis

1763. **Johansson C, Adamsson U, Stierner U, et al:** Interaction by cholestyramine on the uptake of hydrocortisone in the gastrointestinal tract. Acta Med Scand 204(6):509–12, 1978
CHOLESTYRAMINE, administration & dosage/ *CHOLESTYRAMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ GASTRIC EMPTYING, drug effects/ HUMAN/ HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, blood/ *HYDROCORTISONE, metabolism/ INTESTINAL ABSORPTION, drug effects/ TAUROCHOLIC ACID, pharmacodynamics

1764. **Johnson DC:** Temporal changes in ovarian steroid-17alpha-hydroxylase in immature rats treated with pregnant mare's serum gonadotropin.
Proc Soc Exp Biol Med 159(3):484–7, Dec 78
ANIMAL/ DIETHYLSTILBESTROL, pharmacodynamics/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GONADOTROPINS, EQUINE, pharmacodynamics/ HYPOPHYSECTOMY/ MICROSOMES, enzymology/ *OVARY, enzymology/ OVARY, ultrastructure/ RATS/ SEX MATURATION/ *STEROID HYDROXYLASES, metabolism/ *STEROID-17-HYDROXYLASE, metabolism/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1765. **Johnson ER, Jones MD, Stewart JN:** Occurrence of a pheochromocytoma after ingestion of imipramine. JAOA 78(5):332–5, Jan 79
*ABDOMINAL NEOPLASMS, diagnosis/ ADULT/ CASE REPORT/ HUMAN/ *HYPERTENSION, chemically induced/ HYPERTENSION, etiology/ *IMIPRAMINE, adverse effects/ MALE/ *NEOPLASMS, MULTIPLE PRIMARY, diagnosis/ PHEOCHROMOCYTOMA, complications/ *PHEOCHROMOCYTOMA, diagnosis/ PHEOCHROMOCYTOMA, familial & genetic

1766. **Johnson IR:** Human endometrial renin levels during the menstrual cycle [proceedings] Br J Clin Pharmacol 6(5):458P–459P, Nov 78
*ENDOMETRIUM, enzymology/ FEMALE/ HUMAN/ *MENSTRUATION/ RENIN, blood/ *RENIN, metabolism

1767. **Johnson LS, Kinnear DG, Brown RA, et al:** 'Downhill' esophageal varices. A rare cause of upper gastrointestinal bleeding. Arch Surg 113(12):1463–4, Dec 78
AGED/ CASE REPORT/ *ESOPHAGEAL VARICES, etiology/ ESOPHAGEAL VARICES, radiography/ FEMALE/ HEMORRHAGE, GASTROINTESTINAL, etiology/ HUMAN/ *THYROID NEOPLASMS, complications/ THYROID NEOPLASMS, surgery/ THYROIDECTOMY/ VASCULAR DISEASES, complications/ VASCULAR DISEASES, etiology/ *VENA CAVA, SUPERIOR

1768. **Johnson RA, Saur W, Jakobs KH:** Effects of prostaglandin E1 and adenosine on metal and metal-ATP kinetics of platelet adenylate cyclase. J Biol Chem 254(4):1094–101, 25 Feb 79
*ADENOSINE TRIPHOSPHATE/ *ADENOSINE, pharmacodynamics/ *ADENYL CYCLASE, blood/ ANIMAL/ *BLOOD PLATELETS, drug effects/ ENZYME ACTIVATION/ GUANYLYL IMIDODIPHOSPHATE, pharmacodynamics/ HUMAN/ KINETICS/ *MAGNESIUM/ MANGANESE/ *PROSTAGLANDINS E, pharmacodynamics/ SWINE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1769. **Johnston CI, Pullan PT, Walter NM:** Vasoactive peptides in experimental renal hypertension. Klin Wochenschr 56 Suppl 1:81–5, 1978
ANGIOTENSIN II, blood/ ANGIOTENSIN II, physiology/ ANIMAL/ FEMALE/ HYPERTENSION, RENAL, etiology/ *HYPERTENSION, RENAL, physiopathology/ KALLIKREIN, urine/ MALE/ *PEPTIDES, physiology/ RATS/ RENIN, blood/ RENIN, physiology/ VASOPRESSINS, blood/ *VASOPRESSINS, physiology

1770. **Johnston D, Cavenee WK, Ramachandran CK, et al:** Cholesterol biosynthesis in a variety of cultured cells. Lack of correlation between synthesis and activity of 3-hydroxy-3-methylglutaryl coenzyme A reductase caused by dexamethasone. Biochim Biophys Acta 572(1):188–92, 29 Jan 79
ACETATES, metabolism/ ANIMAL/ CELLS, CULTURED/ *CHOLESTEROL, biosynthesis/ COMPARATIVE STUDY/ *DEXAMETHASONE, pharmacodynamics/ HUMAN/ *HYDROXYMETHYLGLUTARYL COA REDUCTASES, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1771. **Johnston SD, Mather EC:** Canine plasma cortisol (hydrocortisone) measured by radioimmunoassay: clinical absence of diurnal variation and results of ACTH stimulation and dexamethasone suppression tests. Am J Vet Res 39(11):1766–70, Nov 78
ANIMAL/ *CIRCADIAN RHYTHM/ COMPARATIVE STUDY/ *CORTICOTROPIN, diagnostic use/ *DEXAMETHASONE, diagnostic use/ *DIURNAL RHYTHM/ *DOGS, blood/ FEMALE/ *HYDROCORTISONE, blood/ MALE/ *RADIOIMMUNOASSAY

1772. **Jokanovic R, Nikezic M, Radmanovic S, et al:** Mali rast sa asimetrijom (Silver-ov sindrom). Srp Arh Celok Lek 106(2):143–51, 1978 (Eng. Abstr.) **(Scc)**
BODY HEIGHT/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ *GROWTH DISORDERS/ HUMAN/ MALE/ SOMATOTROPIN, blood/ SYNDROME

1773. **Joliot AY, Martin D, Touraine JL, et al:** Hépatite chronique au cours d'une agammaglobulinémie liée au sexe. Une observation. Nouv Presse Med 7(36):3233–6, 21 Oct 78 (Eng. Abstr.) **(Fre)**
ADULT/ *AGAMMAGLOBULINEMIA, complications/ AGAMMAGLOBULINEMIA, familial & genetic/ AGAMMAGLOBULINEMIA, immunology/ B-LYMPHOCYTES, immunology/ CASE REPORT/ ENGLISH ABSTRACT/ GAMMA GLOBULINS, therapeutic use/ *HEPATITIS, VIRAL, HUMAN, complications/ HEPATITIS, VIRAL, HUMAN, prevention & control/ HUMAN/ LINKAGE (GENETICS)/ MALE/ *SEX CHROMOSOMES/ T-LYMPHOCYTES, immunology

1774. **Jonas P, Macia R, Oldham S, et al:** Time course of the development of neurotransmitter synthesizing enzymes in the superior cervical ganglion and adrenal gland of the hamster. J Neurochem 32(1):241–3, Jan 79
*ADRENAL GLANDS, enzymology/ ADRENAL

GLANDS, growth & development/ AGING/ ANIMAL/ CHOLINE ACETYLTRANSFERASE, metabolism/ DOPA DECARBOXYLASE, metabolism/ DOPAMINE BETA-HYDROXYLASE, metabolism/ FEMALE/ *GANGLIA, SPINAL, enzymology/ GANGLIA, SPINAL, growth & development/ HAMSTERS/ MESOCRICETUS/ NERVE TISSUE PROTEINS, metabolism/ *TYROSINE HYDROXYLASE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1775. **Jones CN, Grant LD, Prange AJ Jr:** Stimulus properties of thyrotropin-releasing hormone.
Psychopharmacology (Berlin) 59(3):217-24, 8 Dec 78
ANIMAL/ DEXTROAMPHETAMINE, pharmacodynamics/ *DISCRIMINATION (PSYCHOLOGY), drug effects/ DISCRIMINATION LEARNING, drug effects/ GENERALIZATION (PSYCHOLOGY), drug effects/ INJECTIONS, INTRAVENTRICULAR/ MALE/ RATS/ THYROTROPIN RELEASING HORMONE, administration & dosage/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1776. **Jones HW Jr:** Problems of sex differentiation--surgical correction. Birth Defects 14(6C):63-71, 1978
CLITORIS, surgery/ FEMALE/ *GENITALIA, FEMALE, surgery/ *GENITALIA, MALE, surgery/ HERMAPHRODITISM, surgery/ HUMAN/ *PSEUDOHERMAPHRODITISM, surgery/ VAGINA, surgery

1777. **Jones HW Jr, Park IJ, Rock JA:** Technique of surgical sex reassignment for micropenis and allied conditions.
Am J Obstet Gynecol 132(8):870-7, 15 Dec 78
AMPUTATION, TRAUMATIC/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ HYPOSPADIAS, surgery/ INFANT/ INFANT, NEWBORN/ MALE/ METHODS/ *PENIS, abnormalities/ PENIS, surgery/ *SEX REVERSAL, GONADAL/ SUTURE TECHNICS

1778. **Jones RL:** Definition of prostaglandin-sensitive arterial constrictor systems. Acta Biol Med Ger 37(5-6):837-44, 1976
ANIMAL/ AORTA, drug effects/ AORTA, physiology/ CATS/ COMPARATIVE STUDY/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HEART, drug effects/ *HEART, physiology/ HUMAN/ *MUSCLE CONTRACTION, drug effects/ *MYOCARDIAL CONTRACTION, drug effects/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ RATS/ SHEEP/ STRUCTURE-ACTIVITY RELATIONSHIP/ SWINE/ TRACHEA, drug effects/ TRACHEA, physiology

1779. **Jones RS, Roberts MH:** Modification of cortical neuron responses to acetylcholine by viloxazine.
J Pharm Pharmacol 31(2):87-90, Feb 79
*ACETYLCHOLINE, antagonists & inhibitors/ ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ *CEREBRAL CORTEX, drug effects/ DRUG INTERACTIONS/ IONTOPHORESIS/ MALE/ *MORPHOLINES, pharmacodynamics/ *NEURONS, drug effects/ NOREPINEPHRINE, pharmacodynamics/ RATS/ SEROTONIN, pharmacodynamics/ *VILOXAZINE, pharmacodynamics

1780. **Jordan VC, Naylor KE:** The binding of [3H]-oestradiol-17 beta in the immature rat uterus during the sequential administration of non-steroidal anti-oestrogens.
Br J Pharmacol 65(2):167-73, Feb 79
ANIMAL/ CELL NUCLEUS, metabolism/ *ESTRADIOL, metabolism/ *ESTROGEN ANTAGONISTS, pharmacodynamics/ FEMALE/ IN VITRO/ RATS/ TAMOXIFEN, analogs & derivatives/ TAMOXIFEN, pharmacodynamics/ TISSUE DISTRIBUTION/ UTERUS, drug effects/ *UTERUS, metabolism

1781. **Joseph R, Hess S, Birecree E:** Effects of hormone manipulations and exploration on sex differences in maze learning.
Behav Biol 24(3):364-77, Nov 78
ANIMAL/ CASTRATION/ COMPARATIVE STUDY/ CYPROTERONE, pharmacodynamics/ *EXPLORATORY BEHAVIOR/ EXPLORATORY BEHAVIOR, physiology/ FEMALE/ LEARNING, drug effects/ *LEARNING, physiology/ MALE/ RATS/ SESAME OIL, pharmacodynamics/ *SEX HORMONES, physiology/ TESTOSTERONE, pharmacodynamics

1782. **Joshita Y, Kubota K, Mizoguchi H, et al:** [A case of Ph1-positive chronic myelogenous leukemia with missing Y (author's transl)] Rinsho Ketsueki 19(12):1641-5, Dec 78 **(Jpn)**
CASE REPORT/ *CHROMOSOMES, HUMAN, 21-22/ HUMAN/ *LEUKEMIA, MYELOCYTIC, familial & genetic/ MALE/ MIDDLE AGE/ *SEX CHROMOSOMES/ *Y CHROMOSOME

1783. **Jost A:** Fetal hormones and fetal growth.
Contrib Gynecol Obstet 5:1-20, 1979 (91 ref.)
ANENCEPHALY, etiology/ ANIMAL/ FEMALE/ *FETUS, physiology/ *GROWTH/ HUMAN/ INSULIN, physiology/ KIDNEY, physiology/ MSH, physiology/ *PITUITARY HORMONES, physiology/ PREGNANCY/ RABBITS/ RATS/ REVIEW/ SOMATOTROPIN, physiology/ SPECIES SPECIFICITY/ *THYROID HORMONES, physiology

1784. **Jost H, Seeliger H:** Die Entwicklung der Nebennierenrinde beim Schwein (Sus scrofa domestica). (Beitrag zur Entwicklung der fetalen Innenzone der Nebennierenrinde beim Schwein). Anat Anz 144(2):107-27, Jul 78 (Eng. Abstr.) **(Ger)**
*ADRENAL CORTEX, anatomy & histology/ ADRENAL CORTEX, embryology/ ADRENAL CORTEX, growth & development/ ANIMAL/ ENGLISH ABSTRACT/ *SWINE, anatomy & histology

1785. **Jowsey JO, Offord KP:** Osteoporosis: juvenile, idiopathic and postmenopausal. pp. 345-63.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.
ADOLESCENCE/ ADULT/ AGE FACTORS/ BONE AND BONES, physiopathology/ BONE RESORPTION/ CHILD/ CHILD, PRESCHOOL/ HUMAN/ HYDROXYPROLINE, urine/ *MENOPAUSE/ MIDDLE AGE/ MONOGRAPH/ OSTEOCLASTS, physiology/ OSTEOPOROSIS, etiology/ *OSTEOPOROSIS, physiopathology/ PARATHYROID HORMONE, blood

1786. **Juan H:** Prostaglandins as modulators of pain.
Gen Pharmacol 9(6):403-9, 1978 (79 ref.)
ACETYLCHOLINE, antagonists & inhibitors/ ANIMAL/ BRADYKININ, antagonists & inhibitors/ EAR, physiology/ HUMAN/ MODELS, BIOLOGICAL/ NOCICEPTORS, drug effects/ PAIN, chemically induced/ PAIN, metabolism/ *PAIN, physiopathology/ PHOSPHOLIPASE, antagonists & inhibitors/ PROSTAGLANDIN ANTAGONISTS/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ PROSTAGLANDINS, metabolism/ *PROSTAGLANDINS, physiology/ REFLEX/ REVIEW

1787. **Juchault P, Legrand JJ:** Etude du fonctionnement de la glande androgène dans le cas d'implantations croisées entre deux espèces de crustacés isopodes terrestres, Porcellio dilatatus Brandt et Armadillidium vulgare Latreille: notion de spécificité de l'hormone androgène et des neurohormones impliquées dans le contrôle de la fonction androgène.
Gen Comp Endocrinol 36(2):175-86, Oct 78 (Eng. Abstr.) **(Fre)**
*ANDROGENS, physiology/ ANIMAL/ CENTRAL NERVOUS SYSTEM, physiology/ CENTRAL NERVOUS SYSTEM, transplantation/ COMPARATIVE STUDY/ *CRUSTACEA, physiology/ ENDOCRINE GLANDS, physiology/ *ENDOCRINE GLANDS, transplantation/ ENGLISH ABSTRACT/ MALE/ *NEUROHUMORS, physiology/ SPECIES SPECIFICITY/ TRANSPLANTATION, HETEROLOGOUS

1788. **Julius DA:** Withdrawal from endogenous opiates [letter]
Am J Psychiatry 136(3):358-9, Mar 79
*DRUG WITHDRAWAL SYMPTOMS, chemically induced/ *ENDORPHINS, metabolism/ HUMAN/ *NALOXONE, analogs & derivatives/ *NALTREXONE, pharmacodynamics/ NALTREXONE, therapeutic use/ SCHIZOPHRENIA, drug therapy

1789. **Jumawan J, Koldovský O:** Comparison of the effect of various

doses of thyroxine on jejunal disaccharidases in intact and adrenalectomized rats during the first 3 weeks of life. Enzyme 23(3):206–9, 1978
*ADRENALECTOMY/ AGING/ ANIMAL/ *ANIMALS, NEWBORN, metabolism/ BETA-GALACTOSIDASES, metabolism/ COMPARATIVE STUDY/ *DISACCHARIDASES, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ IN VITRO/ JEJUNUM, drug effects/ *JEJUNUM, enzymology/ MALE/ RATS/ *THYROXINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1790. **Jung-Testas I, Baulieu EE:** Effects of sex steroids and antihormones on growth, adhesiveness and receptors of L-929 cells cultured in serum-containing and serum-free media. Exp Cell Res 119(1):75–85, 1 Mar 79
*ANDROGENS, pharmacodynamics/ *CELL ADHESION, drug effects/ *CELL DIVISION, drug effects/ CELL LINE/ DIETHYLSTILBESTROL, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ *HORMONE ANTAGONISTS, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ *RECEPTORS, HORMONE, drug effects/ STANOLONE, pharmacodynamics

1791. **Junge U, Obrocki J:** Bedeutung endogener Glucocorticoide für das Leberwachstum. Verh Dtsch Ges Inn Med (84):1098–100, 1978 **(Ger)**
ANIMAL/ CELLS, CULTURED/ DNA, biosynthesis/ *GLUCOCORTICOIDS, physiology/ *LIVER, growth & development/ RATS

1792. **Juorio AV:** The occurrence of para-octopamine in the hypothalamus of the domestic fowl: effects of drugs on its storage and metabolism. Experientia 34(10):1329–30, 15 Oct 78
ANIMAL/ CHICKENS, metabolism/ FEMALE/ FUSARIC ACID, pharmacodynamics/ *HYPOTHALAMUS, metabolism/ ISOMERISM/ *NORSYNEPHRINE, metabolism/ PARGYLINE, pharmacodynamics/ RESERPINE, pharmacodynamics/ TRANYLCYPROMINE, pharmacodynamics

1793. **Juttmann JR, Hagenouw-Taal JC, Lameyer LD, et al:** Intestinal calcium absorption, serum phosphate, and parathyroid hormone in patients with chronic renal failure and osteodystrophy before and during hemodialysis. Calcif Tissue Res 26(2):119–26, 8 Dec 78
ADOLESCENCE/ ADULT/ AGED/ *CALCIUM, metabolism/ COMPARATIVE STUDY/ CREATININE, metabolism/ FEMALE/ *HEMODIALYSIS/ HUMAN/ INTESTINAL ABSORPTION/ *KIDNEY FAILURE, CHRONIC, metabolism/ KIDNEY FAILURE, CHRONIC, therapy/ MALE/ MIDDLE AGE/ *PARATHYROID HORMONE, blood/ *PHOSPHATES, blood/ RENAL OSTEODYSTROPHY, etiology/ *RENAL OSTEODYSTROPHY, metabolism

K

1794. **Kabaker M, Casasoprana A, Estampes B, et al:** Nanisme et péricardite constrictive. A propos d'un cas de nanisme dit 'Mulibrey' avec hyperéosinophilie. Arch Mal Coeur 71(10):1160–5, Oct 78 (Eng. Abstr.) **(Fre)**
CASE REPORT/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ *DWARFISM, complications/ ENGLISH ABSTRACT/ *EOSINOPHILIA, complications/ HUMAN/ MALE/ MYOCARDIAL DISEASES, diagnosis/ *PERICARDITIS, CONSTRICTIVE, complications/ PERICARDITIS, CONSTRICTIVE, diagnosis

1795. **Kaczmarek LK, Jennings K, Strumwasser F:** Neurotransmitter modulation, phosphodiesterase inhibitor effects, and cyclic AMP correlates of afterdischarge in peptidergic neurites. Proc Natl Acad Sci USA 75(10):5200–4, Oct 78
ACTION POTENTIALS, drug effects/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ APLYSIA/ *DOPAMINE, pharmacodynamics/ ELECTRIC STIMULATION/ IN VITRO/ *NEUROSECRETORY SYSTEMS, physiology/ *PHOSPHODIESTERASE INHIBITORS, pharmacodynamics/ REFRACTORY PERIOD, NEUROLOGIC, drug effects/ *SEROTONIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1796. **Kahn A:** Albumin and cyclic AMP levels in peritoneal fluids in the child [proceedings] Arch Int Physiol Biochim 86(3):693–4, Aug 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ALBUMINS, metabolism/ *ASCITIC FLUID, metabolism/ CHILD/ HEMOLYSIS/ HUMAN/ KIDNEY FAILURE, ACUTE, etiology/ *KIDNEY FAILURE, ACUTE, metabolism/ PERITONEAL DIALYSIS/ *PERITONEAL FLUID, metabolism/ UREMIA, complications

1797. **Kahn HJ, Stroud BJ, Berry AV:** Schistosoma mansoni worm in ovarian cystic teratoma. A case report. S Afr Med J 54(16):673–4, 14 Oct 78
ADULT/ DERMOID CYST, pathology/ *DERMOID CYST, parasitology/ FEMALE/ HUMAN/ OVARIAN NEOPLASMS, pathology/ *OVARIAN NEOPLASMS, parasitology/ SCHISTOSOMA MANSONI, growth & development/ *SCHISTOSOMA MANSONI, isolation & purification

1798. **Kaiser R, Geiger W, Künzig HJ:** Hormonstatus bei Frauen nach Hysterektomie im Vergleich zu Kontrollen. Arch Gynecol 226(4):363–8, 29 Dec 78 (Eng. Abstr.)**(Ger)**
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ *ESTRADIOL, blood/ FEMALE/ *FSH, blood/ HUMAN/ *HYSTERECTOMY/ *LH, blood/ MIDDLE AGE/ OVULATION/ *PROGESTERONE, blood/ TIME FACTORS

1799. **Kakuta S, Suda T, Sato C, et al:** Effects of vitamin D on the change of cyclic nucleotides and deoxyribonucleic acid contents in rat calvaria. J Nutr Sci Vitaminol (Tokyo) 24(5):519–26, 1978
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ BONE AND BONES, drug effects/ *BONE AND BONES, metabolism/ CALCIUM, blood/ CALCIUM, DIETARY, administration & dosage/ *CHOLECALCIFEROLS, pharmacodynamics/ CHOLECALCIFEROLS, therapeutic use/ *DNA, metabolism/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ MALE/ *NUCLEOTIDES, CYCLIC, metabolism/ RATS/ SKULL, metabolism/ VITAMIN D DEFICIENCY, drug therapy/ *VITAMIN D DEFICIENCY, metabolism

1800. **Kalamkarian AA, Akov'ian VA:** Sovremennoe sostoianie voprosa o krauroze vul'vy. Vestn Dermatol Venerol (12):29–33, Dec 78 (51 ref.) **(Rus)**
ADRENAL CORTEX HORMONES, therapeutic use/ ALCOHOL, ETHYL, therapeutic use/ ATROPHY/ DENERVATION, methods/ DRUG COMBINATIONS/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ *KRAUROSIS VULVAE/ KRAUROSIS VULVAE, diagnosis/ KRAUROSIS VULVAE, etiology/ KRAUROSIS VULVAE, therapy/ NERVE BLOCK/ PROCAINE, therapeutic use/ REVIEW/ SCLEROSIS/ ULTRASONIC THERAPY/ VULVA, innervation/ VULVA, pathology

1801. **Kalat JW:** Speculations on similarities between autism and opiate addiction [letter] J Autism Child Schizophr 8(4):477–9, Dec 78
AUTISM, EARLY INFANTILE, drug therapy/ *AUTISM, EARLY INFANTILE, physiopathology/ ENDORPHINS, physiology/ ENKEPHALINS, physiology/ *HEROIN ADDICTION, physiopathology/ HUMAN/ MORPHINE, pharmacodynamics/ NALOXONE, therapeutic use/ *SOCIAL BEHAVIOR

1802. **Kalbhen DA, Schauer M, Wentsche B:** Tierexperimentelle Untersuchungen über den Einfluss intraartikulär applizierter Antiphlogistika/Antirheumatika auf den Gelenkknorpel in vivo. Z Rheumatol 37(11–12):380–94, Nov-Dec 78 (Eng. Abstr.) **(Ger)**
ANIMAL/ ANTI-INFLAMMATORY AGENTS, administration & dosage/ *ANTI-INFLAMMATORY AGENTS, adverse effects/ ASPIRIN, adverse effects/ BUMADIZONE, adverse effects/ *CARTILAGE, ARTICULAR, drug effects/ CHICKENS/ CLOFEZONE, adverse effects/ DEXAMETHASONE, adverse effects/ ENGLISH ABSTRACT/ FLUFENAMIC ACID, adverse effects/ IBUPROFEN, adverse effects/ INJECTIONS, INTRA-ARTICULAR/ NIFLUMIC ACID, adverse effects/ *OSTEOARTHRITIS, chemically induced/ OXYPHENBUTAZONE, adverse effects/

PHENYLBUTAZONE, adverse effects

1803. **Kaledin VI, Glazko TT, Zakharova NN:** Narushenie induktsii tirozinaminotransferazy gidrokortizonom v pecheni mysheĭ, poluchavshikh o-aminoazotoluol. Dokl Akad Nauk SSSR 244(1):233–7, Feb 79 **(Rus)**
*O-AMINOAZOTOLUENE, pharmacodynamics/ P-AMINOAZOBENZENE, pharmacodynamics/ ANIMAL/ ARYL HYDROCARBON HYDROXYLASES, metabolism/ *AZO COMPOUNDS, pharmacodynamics/ ENZYME INDUCTION, drug effects/ *HYDROCORTISONE, antagonists & inhibitors/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ MICE/ MICE, INBRED STRAINS/ PHENOBARBITAL, pharmacodynamics/ TRANSCRIPTION, GENETIC, drug effects/ TRANSLATION, GENETIC, drug effects/ *TYROSINE AMINOTRANSFERASE, biosynthesis

1804. **Kaler LW, Neaves WB:** Attrition of the human Leydig cell population with advancing age. Anat Rec 192(4):513–8, Dec 78
ADOLESCENCE/ ADULT/ AGED/ *AGING/ CELL NUMBER/ HUMAN/ *LEYDIG CELLS, cytology/ LEYDIG CELLS, ultrastructure/ MALE/ MIDDLE AGE

1805. **Kaliner M:** Human lung tissue and anaphylaxis: the effects of histamine on the immunologic release of mediators. Am Rev Respir Dis 118(6):1015–22, Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANTIGENS/ BIOLOGICAL ASSAY/ CIMETIDINE, pharmacodynamics/ DIPHENHYDRAMINE, pharmacodynamics/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *HISTAMINE H1 RECEPTOR BLOCKADERS, pharmacodynamics/ *HISTAMINE H2 RECEPTOR BLOCKADERS, pharmacodynamics/ *HISTAMINE LIBERATION/ HISTAMINE, analysis/ *HISTAMINE, pharmacodynamics/ HUMAN/ *LUNG, immunology/ LUNG, metabolism/ METHYLHISTAMINES, pharmacodynamics/ METIAMIDE, pharmacodynamics/ PYRILAMINE, pharmacodynamics/ *SRS-A, metabolism

1806. **Kalix P:** Prostaglandins cause cyclic AMP accumulation in peripheral nerve. Brain Res 162(1):159–63, 16 Feb 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ MORPHINE, pharmacodynamics/ POLYPHLORETIN PHOSPHATE, pharmacodynamics/ *PROSTAGLANDINS E, pharmacodynamics/ RABBITS/ *VAGUS NERVE, metabolism/ 5,8,11,14-EICOSATETRAYNOIC ACID, pharmacodynamics/ 8,11,14-EICOSATRIENOIC ACID, pharmacodynamics

1807. **Kallee E, Bohner J, Eichstädt H, et al:** Absoluter TBG-Mangel (Athyropexinämie) und hypertrophische obstruktive Kardiomyopathie. Klin Wochenschr 56(24):1213–6, 15 Dec 78 (Eng. Abstr.) **(Ger)**
ADULT/ BLOOD PROTEIN DISORDERS, familial & genetic/ ENGLISH ABSTRACT/ HUMAN/ IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS, congenital/ *IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS, complications/ PROTEIN-BOUND IODINE TEST/ THYROXINE BINDING PROTEIN, analysis/ *THYROXINE BINDING PROTEIN, deficiency/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

1808. **Kallos J, Fasy TM, Hollander VP, et al:** Estrogen receptor has enhanced affinity for bromodeoxyuridine-substituted DNA. Proc Natl Acad Sci USA 75(10):4896–900, Oct 78
BINDING, COMPETITIVE/ *BROMODEOXYURIDINE, metabolism/ *DNA, metabolism/ KINETICS/ RABBITS/ *RECEPTORS, ESTROGEN, metabolism

1809. **Kálmán K, Erdei I, Sándor P, et al:** Leukocyte migration test for the study of immune reactivity in cases of Graves disease associated with infiltrative ophthalmopathy. Acta Med Acad Sci Hung 35(1):29–34, 1978
ACTOMYOSIN, immunology/ ADULT/ AUTOANTIGENS, analysis/ *CELL MIGRATION INHIBITION/ EYE DISEASES, immunology/ FEMALE/ *GOITER, EXOPHTHALMIC, immunology/ HUMAN/ HYPERTHYROIDISM, immunology/ *LEUKOCYTES, immunology/ MALE/ OCULOMOTOR MUSCLES, immunology/ THYROGLOBULIN, analysis/ THYROID GLAND, immunology/ TISSUE EXTRACTS

1810. **Kalmár L, Gergely P, Nékám K, et al:** Spontaneous rosette formation in vitro under the effect of agents affecting the cyclic nucleotide system of circulating lymphocytes of normal subjects. Acta Med Acad Sci Hung 35(1):21–8, 1978
*ACETYLCHOLINE, pharmacodynamics/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *AMINOPHYLLINE, pharmacodynamics/ *EPINEPHRINE, pharmacodynamics/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HUMAN/ LEVAMISOLE, pharmacodynamics/ NUCLEOTIDES, CYCLIC, blood/ *NUCLEOTIDES, CYCLIC, metabolism/ *ROSETTE FORMATION/ *T-LYMPHOCYTES, immunology/ T-LYMPHOCYTES, metabolism

1811. **Kalmár L, Nékám K, Láng I, et al:** In vitro effect of transfer factor on the cyclic nucleotide level of human lymphocytes in chronic lymphocytic leukaemia and of mouse lymphocytes. Acta Med Acad Sci Hung 35(1):43–6, 1978
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ ANIMAL/ HUMAN/ *LEUKEMIA, LYMPHOCYTIC, blood/ *LYMPHOCYTES, metabolism/ MICE/ MICE, INBRED BALB C/ *NUCLEOTIDES, CYCLIC, blood/ T-LYMPHOCYTES, metabolism/ *TRANSFER FACTOR, pharmacodynamics

1812. **Kalmár L, Láng I, Gergely P, et al:** Effect of changes in cyclic nucleotide levels on human antibody-dependent cellular cytotoxicity. Acta Med Acad Sci Hung 35(1):35–42, 1978
ACETYLCHOLINE, pharmacodynamics/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ AMINOPHYLLINE, pharmacodynamics/ ANIMAL/ *ANTIBODY-DEPENDENT CELL CYTOTOXICITY/ ANTIBODY-DEPENDENT CELL CYTOTOXICITY, drug effects/ CHICKENS/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ ERYTHROCYTES, immunology/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HUMAN/ KILLER CELLS, metabolism/ LEUKOCYTES, metabolism/ NUCLEOTIDES, CYCLIC, blood/ *NUCLEOTIDES, CYCLIC, metabolism/ PROPRANOLOL, pharmacodynamics/ SODIUM FLUORIDE, pharmacodynamics

1813. **Kalmár L, Gergely P, Petrányi G:** Dissociation of the mitogenic and rosette-forming effects of PHA to stimulators of cyclic AMP levels. Acta Med Acad Sci Hung 35(2):147–51, 1978
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADULT/ AMINOPHYLLINE, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ HUMAN/ *LYMPHOCYTE TRANSFORMATION/ *LYMPHOCYTES, metabolism/ *PHYTOHEMAGGLUTININS, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ *ROSETTE FORMATION/ THYMIDINE, metabolism

1814. **Kaluzewski B, Jakubowski L, Moruzgala T, et al:** Y non fluorescent dans un cas de mosaicisme 45,X/46,XY. J Genet Hum 26(3):255–35, Sep 78 (Eng. Abstr.) **(Fre)**
ADOLESCENCE/ CASE REPORT/ CHROMOSOME BANDING/ *CHROMOSOME DELETION/ CHROMOSOMES, HUMAN, ultrastructure/ ENGLISH ABSTRACT/ *GROWTH DISORDERS, familial & genetic/ HUMAN/ KARYOTYPING/ MALE/ *MOSAICISM/ *SEX CHROMOSOMES/ TESTIS, pathology/ *Y CHROMOSOME

1815. **Kamikawa Y, Shimo Y:** Antagonistic effect of compound 48/80 on the inhibitory actions of morphine and methionine-enkephalin on electrically-induced contractions of the guinea-pig ileum. Br J Pharmacol 64(4):511–8, Dec 78
ADENINE NUCLEOTIDES, pharmacodynamics/ ANIMAL/ *COMPOUND 48-80, pharmacodynamics/ ELECTRIC STIMULATION/ *ENDORPHINS, antagonists & inhibitors/ *ENKEPHALINS, antagonists & inhibitors/ EPINEPHRINE, pharmacodynamics/ GUINEA PIGS/ ILEUM, drug effects/ IN VITRO/ MALE/ *MORPHINE, antagonists & inhibitors/

*MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ NOREPINEPHRINE, pharmacodynamics

1816. **Kamiyama R, Kawahara Y, Aoki N, et al:** Malignant pheochromocytoma arising in the organ of Zuckerkandl--a clinicopathological study. Acta Pathol Jpn 28(5):731–40, Sep 78
CASE REPORT/ CATECHOLAMINES, analysis/ *CHROMAFFIN SYSTEM/ CHROMAFFIN SYSTEM, pathology/ FEMALE/ HUMAN/ MIDDLE AGE/ NEOPLASM METASTASIS/ *PARA-AORTIC BODIES/ PARA-AORTIC BODIES, pathology/ PHEOCHROMOCYTOMA, analysis/ *PHEOCHROMOCYTOMA, pathology/ PHEOCHROMOCYTOMA, ultrastructure

1817. **Kamstra G, Thomas P, Sadow J:** Proceedings of the Society for Endocrinology. One Hundred and Fifty-Third Meeting (Thirty-Third Annual General Meeting) [proceedings] J Endocrinol 79(2):21P–22P, Nov 78
ANIMAL/ CIRCADIAN RHYTHM/ *CORTICOTROPIN RELEASING HORMONE, biosynthesis/ *HYPOTHALAMUS, metabolism/ IN VITRO/ RATS

1818. **Kanda N, Yosida TH:** Identification of the facultative heterochromatic X chromosome in females of 25 rodent species. Cytogenet Cell Genet 23(1–2):12–22, 1979
ANIMAL/ AZURE STAINS/ FEMALE/ *HETEROCHROMATIN, ultrastructure/ HYPOTONIC SOLUTIONS/ MALE/ METAPHASE/ MICE/ RATS/ RODENTS/ *SEX CHROMOSOMES, ultrastructure/ SPECIES SPECIFICITY/ *STAINS AND STAINING, methods/ *X CHROMOSOME, ultrastructure

1819. **Kandel ER:** Cellular aspects of learning. pp. 3–16. In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978.
ACTION POTENTIALS, drug effects/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ APLYSIA, physiology/ AROUSAL, physiology/ BEHAVIOR, ANIMAL, physiology/ HABITUATION (PSYCHOPHYSIOLOGY), physiology/ *LEARNING, physiology/ MEMORY, physiology/ MEMORY, SHORT-TERM, physiology/ *MODELS, NEUROLOGICAL/ MONOGRAPH/ NERVOUS SYSTEM, physiology/ REFLEX, physiology/ SEROTONIN, pharmacodynamics/ SEROTONIN, physiology/ SYNAPTIC VESICLES, drug effects

1820. **Kaneda H, Tashiro M, Matsumoto J, et al:** Release of renal renin in patients under long-term dialysis treatment. Tohoku J Exp Med 127(1):25–33, Jan 79
ADOLESCENCE/ ADULT/ AGED/ BLOOD PRESSURE/ FEMALE/ *HEMODIALYSIS/ HUMAN/ MALE/ MIDDLE AGE/ *RENIN, blood/ SODIUM, blood/ TIME FACTORS

1821. **Kaneda H, Matsumoto J, Haruyama T, et al:** Suppression of renin in diabetic patients under chronic dialysis treatment. Tohoku J Exp Med 127(2):169–75, Feb 79
ADULT/ AGED/ BLOOD PRESSURE/ CHRONIC DISEASE/ *DIABETIC NEPHROPATHIES, blood/ DIABETIC NEPHROPATHIES, therapy/ FEMALE/ *HEMODIALYSIS/ HUMAN/ MALE/ MIDDLE AGE/ *RENIN, blood/ SODIUM, metabolism/ TIME FACTORS/ UREMIA, blood/ UREMIA, therapy

1822. **Kansky A:** Effect of topical corticosteroids on the pituitary adrenal system. Int J Dermatol 17(10):785–7, Dec 78
ADMINISTRATION, TOPICAL/ *ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, pharmacodynamics/ ADRENAL CORTEX HORMONES, therapeutic use/ CHILD/ *ENDOCRINE DISEASES, chemically induced/ HUMAN/ HYDROCORTISONE, blood/ INFANT/ OCCLUSIVE DRESSINGS/ *PITUITARY-ADRENAL SYSTEM, drug effects/ SKIN ABSORPTION

1823. **Kantak KM, Wayner MJ, Stein JM:** Effects of various periods of food deprivation on serotonin synthesis in the lateral hypothalamus. Pharmacol Biochem Behav 9(4):535–41, Oct 78
ANIMAL/ CHROMATOGRAPHY, THIN LAYER/ *FOOD DEPRIVATION/ HYDROXYTRYPTOPHAN, metabolism/ HYPOTHALAMUS, anatomy & histology/ *HYPOTHALAMUS, metabolism/ MALE/ RATS/ *SEROTONIN, biosynthesis/ TIME FACTORS/ TRYPTOPHAN, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1824. **Kantak KM, Wayner MJ, Stein JM:** Effects of various periods of food deprivation on serotonin turnover in the lateral hypothalamus. Pharmacol Biochem Behav 9(4):529–34, Oct 78
ANIMAL/ BRAIN CHEMISTRY/ CHROMATOGRAPHY, GAS/ *FOOD DEPRIVATION/ HYDROXYINDOLEACETIC ACID, analysis/ HYPOTHALAMUS, anatomy & histology/ *HYPOTHALAMUS, metabolism/ INDOLES, analysis/ MALE/ RATS/ *SEROTONIN, metabolism/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1825. **Kantak KM, Wayner MJ, Stein JM, et al:** Effect of imipramine on serotonin turnover in the lateral hypothalamus. Pharmacol Biochem Behav 9(5):693–6, Nov 78
ANIMAL/ HYDROXYINDOLEACETIC ACID, metabolism/ HYPOTHALAMUS, anatomy & histology/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, metabolism/ *IMIPRAMINE, pharmacodynamics/ MALE/ RATS/ *SEROTONIN, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1826. **Kao GF, Norris HJ:** Cystadenofibromas of the ovary with epithelial atypia. Am J Surg Pathol 2(4):357–63, Dec 78
ADENOFIBROMA, complications/ ADENOFIBROMA, mortality/ *ADENOFIBROMA, pathology/ ADULT/ EPITHELIUM, pathology/ FEMALE/ HUMAN/ LEIOMYOMA, complications/ MIDDLE AGE/ OVARIAN NEOPLASMS, mortality/ *OVARIAN NEOPLASMS, pathology

1827. **Kapitola J, Vilimovská D:** Jednorázové podání trijódtyroninu a tyroxínu i. v. krysám. Cas Lek Cesk 117(46):1441–2, 1978 (Eng. Abstr.) **(Cze)**
ANIMAL/ *BLOOD CIRCULATION, drug effects/ ENGLISH ABSTRACT/ RATS/ *THYROXINE, pharmacodynamics/ *TRIIODOTHYRONINE, pharmacodynamics

1828. **Kapitola J:** Stanovení obsahu minerálu v kostech in vivo měřením absorpce záření gama. Cas Lek Cesk 117(44–45):1391–4, 1978 (Eng. Abstr.) **(Cze)**
ABSORPTION/ *BONE AND BONES, analysis/ ENGLISH ABSTRACT/ GAMMA RAYS/ HUMAN/ *MINERALS, analysis/ SPECTROMETRY, GAMMA, methods

1829. **Kaplan BB, Schachter BS, Osterburg HH, et al:** Sequence complexity of polyadenylated RNA obtained from rat brain regions and cultured rat cells of neural origin. Biochemistry 17(25):5516–24, 12 Dec 78
ANIMAL/ BASE SEQUENCE/ *BRAIN CHEMISTRY/ CELL LINE/ CEREBELLUM, analysis/ CEREBRAL CORTEX, analysis/ DNA/ FEMALE/ HIPPOCAMPUS, analysis/ HYPOTHALAMUS, analysis/ NUCLEIC ACID HYBRIDIZATION/ *POLY A/ POLY A, isolation & purification/ RATS/ *RNA/ RNA, isolation & purification/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1830. **Kaplan EL:** Hazards of 'low dose' irradiation to the head and neck [editorial] Curr Surg 35(6):371–2, Nov–Dec 78
HEAD AND NECK NEOPLASMS, radiotherapy/ *HEAD, radiation effects/ HUMAN/ *NECK, radiation effects/ *RADIATION INJURIES, etiology/ *RADIOTHERAPY DOSAGE/ THYROID NEOPLASMS, radiotherapy

1831. **Kaplan RJ, Rosenberg EW:** Atopic dermatitis: clinical and immunologic aspects and treatment. Postgrad Med 64(6):52–6, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ CAFFEINE, administration & dosage/ CAFFEINE, therapeutic use/ CHILD/ *DERMATITIS, ATOPIC, drug therapy/ DERMATITIS, ATOPIC, immunology/ DERMATITIS, ATOPIC, metabolism/ HUMAN/

HYDROCORTISONE, therapeutic use/ IGE, metabolism/ IMMUNITY, CELLULAR/ INFANT/ LEUKOCYTE COUNT/ OINTMENTS/ PSYCHOTHERAPY/ T-LYMPHOCYTES

1832. **Kaplan S, Gaum WE, Benzing G 3rd, et al:** Therapeutic advances in pediatric cardiology. Pediatr Clin North Am 25(4):891-907, Nov 78 (78 ref.)
ADULT/ ANIMAL/ CHILD/ DIGITALIS GLYCOSIDES, pharmacodynamics/ *DIGITALIS GLYCOSIDES, therapeutic use/ DOGS/ *DUCTUS ARTERIOSUS, drug effects/ *DUCTUS ARTERIOSUS, PATENT, drug therapy/ ECHOCARDIOGRAPHY/ GUINEA PIGS/ HEART DISEASES, complications/ *HEART FAILURE, CONGESTIVE, drug therapy/ HEMODYNAMICS, drug effects/ HUMAN/ HYPERALDOSTERONISM, complications/ INDOMETHACIN, therapeutic use/ INFANT/ INFANT, NEWBORN/ NITROPRUSSIDE, pharmacodynamics/ NITROPRUSSIDE, therapeutic use/ *PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS E, therapeutic use/ REVIEW

1833. **Kaplan SI:** Otek mozga kak pervoe klinicheskoe proiavlenie raka vnutrennikh organov u lits pozhilogo vozrasta. Zh Nevropatol Psikhiatr 79(1):46-7, 1979 (Eng. Abstr.) (Rus)
AGED/ *BRAIN EDEMA, etiology/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *PANCREATIC NEOPLASMS, complications/ *THYROID NEOPLASMS, complications

1834. **Kaplan SL, Grumbach MM:** Pituitary and placental gonadotrophins and sex steroids in the human and sub-human primate fetus. Clin Endocrinol Metab 7(3):487-511, Nov 78 (114 ref.)
AMNIOTIC FLUID, metabolism/ ANDROGENS, physiology/ ANIMAL/ CHIMPANZEES/ ESTROGENS, metabolism/ FEMALE/ *FETUS, metabolism/ FSH, metabolism/ *GONADOTROPINS, metabolism/ GONADOTROPINS, CHORIONIC, metabolism/ GONADOTROPINS, PITUITARY, metabolism/ HUMAN/ HYPOTHALAMUS, embryology/ LH, metabolism/ LH-FSH RELEASING HORMONE, biosynthesis/ MATERNAL-FETAL EXCHANGE/ MONKEYS/ OVARY, physiology/ PITUITARY GLAND, metabolism/ PREGNANCY/ *PRIMATES, physiology/ PROGESTERONE, physiology/ RECEPTORS, HORMONE, metabolism/ REVIEW/ RHESUS MONKEYS/ SEX DIFFERENTIATION/ *SEX HORMONES, metabolism/ TESTOSTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1835. **Kapoor S, Kapoor MS, Aurora AL, et al:** Orbital hemangiopericytoma: a report of a three-year-old child. j Pediatr Opthalmol Strabismus 15(1):40-2, Jan-Feb 78
CASE REPORT/ CHILD, PRESCHOOL/ CORNEAL ULCER, complications/ EXOPHTHALMOS, complications/ *HEMANGIOPERICYTOMA, diagnosis/ HEMANGIOPERICYTOMA, pathology/ HEMANGIOPERICYTOMA, surgery/ HUMAN/ MALE/ *ORBITAL NEOPLASMS, diagnosis/ ORBITAL NEOPLASMS, pathology/ ORBITAL NEOPLASMS, surgery

1836. **Kapp LN, Painter RB:** Replicon sizes in mammalian cells as estimated by an x-ray plus bromodeoxyuridine photolysis method. Biophys J 24(3):739-48, Dec 78
ANIMAL/ *BROMODEOXYURIDINE, pharmacodynamics/ CELL LINE/ CENTRIFUGATION, DENSITY GRADIENT/ DNA REPLICATION, drug effects/ *DNA REPLICATION, radiation effects/ HAMSTERS/ HELA CELLS/ HUMAN/ ISOTOPE LABELING/ MATHEMATICS/ MOLECULAR WEIGHT/ OVARY, cytology/ *PHOTOLYSIS/ UNITED STATES GOV'T SUPPORTED

1837. **Kappelgaard AM, Giese J, Ibsen H, et al:** Different secretion patterns of active and inactive renin in man. Clin Sci Mol Med 55 Suppl 4:143s-146s, Dec 78
DIURETICS, THIAZIDE, pharmacodynamics/ ENZYME ACTIVATION/ HUMAN/ *HYPERTENSION, enzymology/ HYPERTENSION, metabolism/ HYPERTENSION, RENOVASCULAR, enzymology/ KIDNEY, secretion/ *RENIN, blood/ RENIN, secretion/ SARALASIN, pharmacodynamics

1838. **Kapsha JM, Keli LC, Klase PA, et al:** Centrally mediated hydration effects of angiotensin in various states of sodium balance. Pharmacology 18(1):25-33, 1979
ANGIOTENSIN II, pharmacodynamics/ *ANGIOTENSIN II, physiology/ ANIMAL/ DRINKING, drug effects/ HEMATOCRIT/ MALE/ RATS/ RENIN, blood/ SODIUM, blood/ *SODIUM, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASOPRESSINS, blood/ *WATER-ELECTROLYTE BALANCE, drug effects

1839. **Kapur BM, Daneshwar A:** Combined therapy of dexamethasone, low molecular dextran and Ringer's lactate in canine endotoxin shock. Indian J Med Res 68:700-7, Oct 78
ANIMAL/ *DEXAMETHASONE, administration & dosage/ *DEXTRANS, administration & dosage/ DOGS/ DRUG THERAPY, COMBINATION/ *ENDOTOXINS/ ENDOTOXINS, administration & dosage/ FEMALE/ ISOTONIC SOLUTIONS, administration & dosage/ *LACTATES, administration & dosage/ MALE/ MOLECULAR WEIGHT/ SHOCK, chemically induced/ *SHOCK, SEPTIC, drug therapy

1840. **Karam K, Hajj S:** Hyperthecosis syndrome. Clinical, endocrinologic and histologic findings. Acta Obstet Gynecol Scand 58(1):73-9, 1979
ADULT/ CASE REPORT/ FEMALE/ FSH, blood/ GONADOTROPINS, CHORIONIC, diagnostic use/ HUMAN/ LH, blood/ OVARY, pathology/ *STEIN-LEVENTHAL SYNDROME, diagnosis/ STEIN-LEVENTHAL SYNDROME, pathology/ STEIN-LEVENTHAL SYNDROME, physiopathology/ TESTOSTERONE, blood/ 17-KETOSTEROIDS, urine

1841. **Karasek M, Marek K, Kunert-Radek J:** Ultrastructure of rat pinealocytes in vitro: influence of gonadotropic hormones and LH-RH. Cell Tissue Res 195(3):547-56, 29 Dec 78
ANIMAL/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GONADOTROPINS, EQUINE, pharmacodynamics/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ MITOCHONDRIA, ultrastructure/ ORGAN CULTURE/ *PINEAL BODY, ultrastructure/ RATS

1842. **Karlsberg RP, Roberts R:** Effect of altered thyroid function on plasma creatine kinase clearance in the dog. Am J Physiol 235(6):E614-8, Dec 78
ANIMAL/ *CREATINE KINASE, blood/ DOGS/ HYPERTHYROIDISM, chemically induced/ *HYPERTHYROIDISM, enzymology/ *HYPOTHYROIDISM, enzymology/ METHODS/ THYROIDECTOMY/ THYROXINE, adverse effects/ THYROXINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1843. **Karmańska K, Michalska Z:** The role of prostaglandins in expulsion of adult Trichinella spiralis. Influence of indomethacin on the course of experimental trichinellosis in mice. Wiad Parazytol 24(6):661-70, 1978 (Eng. Abstr.)
ANIMAL/ ENGLISH ABSTRACT/ *INDOMETHACIN, pharmacodynamics/ MALE/ MICE/ *PROSTAGLANDINS, physiology/ TRICHINELLA, immunology/ *TRICHINOSIS, immunology

1844. **Karpati G:** A review of the morphologic features and consequences of muscle cell necrosis in Duchenne disease: clues to the pathogenesis. pp. 117-31. In: den Hartog Jager, WA, et al., ed. Neurology. Amsterdam, Excerpta Medica, 1978. W3 EX89 no.434 1978. (24 ref.)
CALCIUM, metabolism/ HISTOCYTOCHEMISTRY/ HUMAN/ MICROSCOPY, ELECTRON/ MUSCLE CONTRACTION/ *MUSCLES, pathology/ MUSCLES, physiology/ MUSCLES, ultrastructure/ MUSCULAR DYSTROPHY, metabolism/ *MUSCULAR DYSTROPHY, pathology/ NECROSIS/ REGENERATION/ REVIEW

1845. **Karr JP, Kirdani RY, Murphy GP, et al:** Sex hormone binding globulin and transcortin in human and baboon males. Arch Androl 1(2):123-9, 1978
ANDROGENS, SYNTHETIC, metabolism/ ANIMAL/ *BABOONS, blood/ DIETHYLSTILBESTROL, metabolism/ ESTRADIOL, metabolism/ ESTROGENS, SYNTHETIC, metabolism/ HUMAN/

HYDROCORTISONE, metabolism/ MALE/ MONKEYS/ PROGESTERONE, metabolism/ *SEX HORMONE BINDING GLOBULIN, analysis/ SEX HORMONE BINDING GLOBULIN, metabolism/ STANOLONE, metabolism/ *TRANSCORTIN, analysis

1846. **Karseladze AI:** Gistokhimicheskaia kharakteristika slizi pri psevdomiksome briushiny. Arkh Patol 40(11):57–61, 1978 (Eng. Abstr.) **(Rus)**
ADULT/ APPENDIX, metabolism/ CARCINOMA, MUCINOUS, metabolism/ COMPARATIVE STUDY/ *CYSTADENOMA, MUCINOUS, metabolism/ ENGLISH ABSTRACT/ EPITHELIUM, metabolism/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *MUCUS, metabolism/ OVARIAN NEOPLASMS, metabolism/ *PERITONEAL NEOPLASMS, metabolism

1847. **Kasal CA, Menaker M, Perez-Polo JR:** Circadian clock in culture: N-acetyltransferase activity of chick pineal glands oscillates in vitro. Science 203(4381):656–8, 16 Feb 79
*ACETYLTRANSFERASES, metabolism/ CELLS, CULTURED/ CHICK EMBRYO/ CHICKENS/ *CIRCADIAN RHYTHM/ DARKNESS/ PINEAL BODY, enzymology/ *PINEAL BODY, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1848. **Kasid A, Buckshee K, Hingorani V, et al:** Interaction of progestins with steroid receptors in human uterus. Biochem J 176(2):531–9, 15 Nov 78
ACETATES/ BINDING, COMPETITIVE/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOSOL, metabolism/ ESTRADIOL ANTAGONISTS, metabolism/ FEMALE/ HUMAN/ IN VITRO/ KINETICS/ *NORETHINDRONE, metabolism/ PROGESTERONE, antagonists & inhibitors/ *RECEPTORS, ESTROGEN, metabolism/ *RECEPTORS, PROGESTERONE, metabolism/ *UTERUS, metabolism

1849. **Kass MA, Holmberg NJ:** Prostaglandin and thromboxane synthesis by microsomes of rabbit ocular tissues. Invest Ophthalmol Vis Sci 18(2):166–71, Feb 79
ANIMAL/ ARACHIDONIC ACIDS, metabolism/ CILIARY BODY, metabolism/ CONJUNCTIVA, metabolism/ CORNEA, metabolism/ *EYE, metabolism/ IMIDAZOLES, pharmacodynamics/ INDOMETHACIN, pharmacodynamics/ IRIS, metabolism/ MICROSOMES, metabolism/ *PROSTAGLANDINS, biosynthesis/ RABBITS/ *THROMBOXANE A2, biosynthesis/ *THROMBOXANE B2, biosynthesis/ *THROMBOXANES, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 8,11,14-EICOSATRIENOIC ACID, metabolism

1850. **Kastin AJ, Scollan EL, Ehrensing RH, et al:** Enkephalin and other peptides reduce passiveness. Pharmacol Biochem Behav 9(4):515–9, Oct 78
ANIMAL/ *BEHAVIOR, ANIMAL, drug effects/ *ENDORPHINS, pharmacodynamics/ *ENKEPHALINS, pharmacodynamics/ HORMONES, pharmacodynamics/ MALE/ MOTOR ACTIVITY, drug effects/ *PEPTIDES, pharmacodynamics/ RATS/ SWIMMING/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1851. **Kastin AJ, Coy DH, Schally AV, et al:** Activity of VIP, somatostatin and other peptides in the mouse vas deferens assay. Pharmacol Biochem Behav 9(5):673–6, Nov 78
ANIMAL/ ENKEPHALINS, antagonists & inhibitors/ *GASTROINTESTINAL HORMONES, pharmacodynamics/ MALE/ MICE/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ NALOXONE, pharmacodynamics/ *PEPTIDES, pharmacodynamics/ *SOMATOTROPIN RELEASE INHIBITING HORMONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VAS DEFERENS, drug effects/ *VASOACTIVE INTESTINAL PEPTIDE, pharmacodynamics

1852. **Katada T, Ui M:** Islet-activating protein. Enhanced insulin secretion and cyclic AMP accumulation in pancreatic islets due to activation of native calcium ionophores. J Biol Chem 254(2):469–79, 25 Jan 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ ARGININE, pharmacodynamics/ *BACTERIAL PROTEINS, pharmacodynamics/ *BORDETELLA PERTUSSIS/ *CALCIUM, metabolism/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ GLUCAGON, pharmacodynamics/ GLUCOSE, pharmacodynamics/ *INSULIN, secretion/ ISLANDS OF LANGERHANS, drug effects/ *ISLANDS OF LANGERHANS, metabolism/ KINETICS/ MALE/ RATS

1853. **Kather H, Simon B:** Fettgewebe und Fettsucht. Teil 2: Hormonale Regulation des Fettgewebsstoffwechsels. Fortschr Med 96(35):1741–5, 21 Sep 78 (Eng. Abstr.)**(Ger)**
*ADIPOSE TISSUE, metabolism/ CATECHOLAMINES, metabolism/ ENGLISH ABSTRACT/ GASTROINTESTINAL HORMONES, metabolism/ *HORMONES, metabolism/ HUMAN/ *OBESITY, metabolism/ PARATHYROID HORMONE, metabolism/ RECEPTORS, HORMONE, metabolism/ RECEPTORS, INSULIN, metabolism/ RECEPTORS, PROSTAGLANDIN, metabolism

1854. **Katiyar GP, Dhawan R, Agarwal KN, et al:** Cholesterol and free fatty acids in the placenta, maternal and cord sera of under-nourished mothers. Indian Pediatr 15(10):831–4, Oct 78
*CHOLESTEROL, blood/ *FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ *FETAL BLOOD, metabolism/ HUMAN/ MATERNAL-FETAL EXCHANGE/ *NUTRITION DISORDERS, blood/ *PLACENTA, metabolism/ PREGNANCY

1855. **Kato M, Ogino T, Suzuki T, et al:** Compliance of peripheral capacitance vessels in patients with various kinds of edema. Jpn Circ J 42(9):1057–63, Sep 78
ADULT/ BLOOD PRESSURE/ CEREBROVASCULAR DISORDERS, physiopathology/ COMPLIANCE/ *EDEMA, physiopathology/ HEART FAILURE, CONGESTIVE, physiopathology/ HEART RATE/ HUMAN/ HYPERTHYROIDISM, physiopathology/ MIDDLE AGE/ NEPHROTIC SYNDROME, physiopathology/ PLETHYSMOGRAPHY, instrumentation/ PLETHYSMOGRAPHY, methods/ *VASCULAR RESISTANCE

1856. **Kato Y:** [Non-neoplastic hyperprolactinemia] Horumon To Rinsho 26(10):1015–20, Oct 78 **(Jpn)**
FEMALE/ GALACTORRHEA, blood/ HUMAN/ MALE/ *PROLACTIN, blood

1857. **Katsulov A:** Prichini za zapochvane na razhdaneto. Akush Ginekol (Sofiia) 17(6):447–56, 1978 (61 ref.) (Eng. Abstr.) **(Bul)**
ADRENAL CORTEX HORMONES, physiology/ ADRENAL GLANDS, physiology/ ANIMAL/ ANTIGEN-ANTIBODY REACTIONS/ ARACHIDONIC ACIDS, physiology/ ENGLISH ABSTRACT/ ESTRADIOL, physiology/ ESTROGENS, physiology/ FEMALE/ FETUS, physiology/ HUMAN/ IMMUNE TOLERANCE/ *LABOR ONSET/ *LABOR/ NERVOUS SYSTEM, physiology/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ PROGESTERONE, physiology/ PROSTAGLANDINS, physiology/ REVIEW/ TRANSPLANTATION IMMUNOLOGY

1858. **Katz JL, Boyar R, Roffwarg H, et al:** Weight and circadian luteinizing hormone secretory pattern in anorexia nervosa. Psychosom Med 40(7):549–67, Nov 78
ADOLESCENCE/ ADULT/ AMENORRHEA, complications/ ANOREXIA NERVOSA, complications/ *ANOREXIA NERVOSA, physiopathology/ *BODY WEIGHT/ *CIRCADIAN RHYTHM/ FEMALE/ HUMAN/ *LH, secretion/ MENSTRUATION/ PUBERTY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1859. **Katz M:** The pill and amenorrhoea [editorial] S Afr Med J 54(12):465, 16 Sep 78
*AMENORRHEA, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN

1860. **Katz RJ, Gelbart J:** Endogenous opiates and behavioral responses to environmental novelty. Behav Biol 24(3):338–48, Nov 78
ANIMAL/ *ENDORPHINS, pharmacodynamics/ *ENKEPHALINS, pharmacodynamics/

*EXPLORATORY BEHAVIOR, drug effects/ MALE/ MICE/ NALOXONE, pharmacodynamics/ STIMULATION, CHEMICAL/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1861. **Katzenstein AL, Mazur MT, Morgan TE, et al:** Proliferative serous tumors of the ovary. Histologic features and prognosis. Am J Surg Pathol 2(4):339–55, Dec 78
*CYSTADENOCARCINOMA, pathology/ *CYSTADENOMA, pathology/ FEMALE/ HUMAN/ *OVARIAN NEOPLASMS, pathology/ PROGNOSIS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1862. **Katzenstein AL, Carrington CB, Liebow AA:** Lymphomatoid granulomatosis: a clinicopathologic study of 152 cases. Cancer 43(1):360–73, Jan 79
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ ANTINEOPLASTIC AGENTS, therapeutic use/ CHILD/ COMPARATIVE STUDY/ FEMALE/ *GRANULOMA, diagnosis/ GRANULOMA, drug therapy/ HUMAN/ *LUNG DISEASES, diagnosis/ LUNG DISEASES, drug therapy/ LYMPHATIC DISEASES, diagnosis/ LYMPHATIC DISEASES, drug therapy/ MALE/ MIDDLE AGE/ NERVOUS SYSTEM DISEASES, diagnosis/ PROGNOSIS/ RETROSPECTIVE STUDIES/ SKIN DISEASES, diagnosis/ *VASCULITIS, diagnosis/ VASCULITIS, drug therapy

1863. **Kaufman RH, Gardner HL:** Vulvar dystrophies. Clin Obstet Gynecol 21(4):1081–106, Dec 78
FEMALE/ HUMAN/ HYPERPLASIA/ KRAUROSIS VULVAE, pathology/ LEUKOPLAKIA, pathology/ SKIN DISEASES, drug therapy/ SKIN DISEASES, pathology/ SKIN, pathology/ TESTOSTERONE, therapeutic use/ *VULVA, pathology/ VULVAR DISEASES, drug therapy/ VULVAR DISEASES, etiology/ *VULVAR DISEASES, pathology/ VULVAR NEOPLASMS, pathology

1864. **Kauppila A, Koivisto M, Pukka M, et al:** Umbilical cord and neonatal cortisol levels. Effect of gestational and neonatal factors. Obstet Gynecol 52(6):666–72, Dec 78
ADULT/ CESAREAN SECTION/ DELIVERY, methods/ DEXAMETHASONE, pharmacodynamics/ DEXAMETHASONE, therapeutic use/ FEMALE/ FETAL BLOOD/ GESTATIONAL AGE/ HUMAN/ *HYDROCORTISONE, blood/ *INFANT, NEWBORN/ JAUNDICE, NEONATAL, complications/ MALE/ PREGNANCY/ RESPIRATORY DISTRESS SYNDROME, complications/ RESPIRATORY DISTRESS SYNDROME, prevention & control

1865. **Kauschansky A, Genel M, Smith GJ:** Congenital hypopituitarism in female infants. Its association with hypoglycemia and hypothyroidism. Am J Dis Child 133(2):165–9, Feb 79
ADRENAL GLANDS, abnormalities/ ADRENAL GLANDS, pathology/ AUTOPSY/ CASE REPORT/ FEMALE/ HUMAN/ *HYPOGLYCEMIA, etiology/ *HYPOPITUITARISM, congenital/ HYPOPITUITARISM, complications/ HYPOPITUITARISM, pathology/ *HYPOTHYROIDISM, etiology/ HYPOTHYROIDISM, pathology/ INFANT, NEWBORN/ PITUITARY GLAND, abnormalities/ SELLA TURCICA, abnormalities/ SELLA TURCICA, pathology/ THYROID GLAND, abnormalities/ THYROID GLAND, pathology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1866. **Kavkalo DN:** Vliianie plenkoobrazuiushchego sostava na osnove dodetsilguanidinatsetata na techenie operatsionnykh ran u zhivotnykh. Klin Khir (12):28–31, Dec 78 (Eng. Abstr.) **(Rus)**
ALCOHOL, ETHYL, pharmacodynamics/ ALCOHOL, ETHYL, therapeutic use/ ANIMAL/ ENGLISH ABSTRACT/ *GUANIDINES, pharmacodynamics/ GUANIDINES, therapeutic use/ GUINEA PIGS/ IODINE, pharmacodynamics/ IODINE, therapeutic use/ RATS/ *SURGICAL WOUND INFECTION, prevention & control/ *WOUND HEALING, drug effects

1867. **Kawagoe K, Sugase M, Kawana T, et al:** Desmosome-like structures between tumor cells and endothelial cells in choriocarcinoma heterotransplanted into the nude mouse: a preliminary report. J Reprod Med 21(4):265–8, Oct 78
ANIMAL/ *CHORIOCARCINOMA, ultrastructure/ CYTOPLASM, ultrastructure/ *DESMOSOMES, ultrastructure/ ENDOTHELIUM, ultrastructure/ FEMALE/ HUMAN/ LUNG NEOPLASMS/ MICE/ MICE, NUDE/ MIDDLE AGE/ NEOPLASM METASTASIS/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, ultrastructure/ TRANSPLANTATION, HETEROLOGOUS

1868. **Kawamoto Y, Usui T, Maeda K, et al:** [Simple method of determination of urinary estrogen and creatinine in pregnancy] Horumon To Rinsho 26(10):1037–41, Oct 78 **(Jpn)**
*CREATININE, urine/ *ESTRIOL, urine/ FEMALE/ HUMAN/ *PREGNANCY/ REAGENT KITS, DIAGNOSTIC/ *SPECTROMETRY, FLUORESCENCE

1869. **Kawamura J, Machida S, Yoshida O, et al:** Bladder carcinoma associated with ectopic production of gonadotropin. Cancer 42(6):2773–80, Dec 78
AGED/ BLADDER NEOPLASMS, complications/ *BLADDER NEOPLASMS, metabolism/ BLADDER NEOPLASMS, pathology/ CARCINOMA, TRANSITIONAL CELL, complications/ *CARCINOMA, TRANSITIONAL CELL, metabolism/ CARCINOMA, TRANSITIONAL CELL, pathology/ CASE REPORT/ ESTROGENS, metabolism/ *GONADOTROPINS, CHORIONIC, biosynthesis/ GYNECOMASTIA, etiology/ *HORMONES, ECTOPIC, biosynthesis/ HUMAN/ MALE

1870. **Kawaguchi R, Ogura Y:** [Proper hemodialysis based on calcium and bone metabolism and related problems] Nippon Jinzo Gakkai Shi 20(6):730–3, Jun 78 **(Jpn)**
*BONE AND BONES, metabolism/ CALCIUM METABOLISM DISORDERS, etiology/ *CALCIUM, metabolism/ HEMODIALYSIS, adverse effects/ *HEMODIALYSIS, standards/ HUMAN

1871. **Kawashima K, Shiono K, Sokabe H:** Plasma renin activity and excretion of water and electrolytes in stroke-prone SHR rats. Jpn Heart J 19(4):657–8, Jul 78
ANIMAL/ BLOOD PRESSURE/ *BODY WATER, secretion/ *CEREBROVASCULAR DISORDERS, metabolism/ *ELECTROLYTES, secretion/ *HYPERTENSION, metabolism/ RATS/ *RENIN, blood

1872. **Kawata K:** [Clinical study of Vogt-Koyanagi-Harada syndrome (author's transl)] Fukuoka Igaku Zasshi 69(11):473–85, Nov 78 (Eng. Abstr.) **(Jpn)**
ADOLESCENCE/ ADULT/ CASE REPORT/ DEXAMETHASONE, administration & dosage/ DEXAMETHASONE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ *FLUORESCEIN ANGIOGRAPHY/ HUMAN/ MALE/ PROGNOSIS/ *UVEITIS, diagnosis/ *UVEOMENINGOENCEPHALITIC SYNDROME, diagnosis/ UVEOMENINGOENCEPHALITIC SYNDROME, drug therapy

1873. **Kay CR:** Logistics of study on hormone therapy in the climacteric. Postgrad Med J 54(2):92–4, 1978
*CLIMACTERIC, drug effects/ FAMILY PRACTICE/ FEMALE/ HORMONES, administration & dosage/ HORMONES, adverse effects/ *HORMONES, therapeutic use/ HUMAN/ PRESCRIPTIONS, DRUG/ PROSPECTIVE STUDIES/ *RESEARCH DESIGN

1874. **Kay R, Alexander NJ, Baugham WL:** Induced varicoceles in rhesus monkeys. Fertil Steril 31(2):195–9, Feb 79
ANIMAL/ CELL NUMBER/ ESTRADIOL, blood/ HYDROCORTISONE, blood/ MALE/ MONKEYS/ RHESUS MONKEYS/ SEMEN, cytology/ SPERMATOGENESIS/ SPERMATOZOA, pathology/ TEMPERATURE/ *TESTIS, physiopathology/ TESTOSTERONE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VARICOCELE, blood/ *VARICOCELE, physiopathology

1875. **Kayama M, Mankura M, Ikeda Y:** Hydrolysis and synthesis of wax esters by different systems of carp hepatopancreas preparation. J Biochem (Tokyo) 85(1):1–6, Jan 79
ADIPOSE TISSUE, enzymology/ ANIMAL/ CARP/ ESTERASES, metabolism/ ESTERS/ FEMALE/

HYDROLYSIS/ INTESTINES, enzymology/ KIDNEY, enzymology/ LIPASE, metabolism/ *LIVER, metabolism/ OVARY, enzymology/ *PANCREAS, metabolism/ *WAXES, metabolism

1876. **Kazeev KN, Bukhman AI, Serpukhovitin SIu:** Nepriamaia limfografiia shchitovodnoĭ zhelezy (Soobshcheniia 2). Probl Endokrinol (Mosk) 25(1):3–6, Jan–Feb 79 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ AGED/ CHILD/ COMPARATIVE STUDY/ *CONTRAST MEDIA/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, radiography/ GOITER, EXOPHTHALMIC, radiography/ HUMAN/ LIPIODOL, administration & dosage/ LYMPHOGRAPHY/ MALE/ MIDDLE AGE/ *THYROID GLAND, radiography

1877. **Kaznacheev VP, Maianskiĭ DN:** Sovremennye predstavleniia o sisteme mononuklearnykh fagotsitov. Usp Sovrem Biol 86(3):415–31, Nov–Dec 78 (125 ref.) **(Rus)**
ADAPTATION, PHYSIOLOGICAL/ ANIMAL/ BONE MARROW, cytology/ CATHEPSINS, metabolism/ CELL DIFFERENTIATION/ COMPARATIVE STUDY/ DEOXYRIBONUCLEASE, metabolism/ ENDOTOXINS, pharmacodynamics/ GLUCOSIDASES, metabolism/ HEPATECTOMY/ HORMONES, physiology/ HUMAN/ HYBRIDIZATION/ KUPFFER CELLS, enzymology/ KUPFFER CELLS, metabolism/ LIPIDS, metabolism/ LIVER REGENERATION/ LYMPHOKINES, physiology/ MACROPHAGES, cytology/ MICE/ MICE, INBRED CBA/ MICE, INBRED C57BL/ *PHAGOCYTES, physiology/ RATS/ REVIEW/ RIBONUCLEASE, metabolism

1878. **Kebabian JW, Calne DB:** Multiple receptors for dopamine. Nature 277(5692):93–6, 11 Jan 79 (75 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ *ADENYL CYCLASE, metabolism/ ANIMAL/ APOMORPHINE, pharmacodynamics/ CORPUS STRIATUM, metabolism/ ERGOT ALKALOIDS, pharmacodynamics/ LIGANDS/ MEMBRANE PROTEINS, metabolism/ PROLACTIN, metabolism/ RECEPTORS, DOPAMINE, drug effects/ *RECEPTORS, DOPAMINE, metabolism/ REVIEW/ STRUCTURE-ACTIVITY RELATIONSHIP/ SUBSTANTIA NIGRA, metabolism

1879. **Keck E, Lilienfeld-Toal H, Schneider-Schultes B, et al:** Postoperatives Verhalten Parathormon-abhängiger Parameter nach Entfernung von Nebenschilddrüsen-adenomen. Med Welt 30(4):136–40, 26 Jan 79 **(Ger)**
*ADENOMA, surgery/ ELECTROLYTES, metabolism/ HUMAN/ *PARATHYROID HORMONE, physiology/ *PARATHYROID NEOPLASMS, surgery

1880. **Keely SL Jr, Lincoln TM:** On the question of cyclic GMP as the mediator of the effects of acetylcholine on the heart. Biochim Biophys Acta 543(2):251–7, 3 Oct 78
*ACETYLCHOLINE, pharmacodynamics/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ EPINEPHRINE, pharmacodynamics/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ *HEART, drug effects/ MALE/ MYOCARDIAL CONTRACTION, drug effects/ MYOCARDIUM, metabolism/ NITROPRUSSIDE, pharmacodynamics/ PROTEIN KINASE, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1881. **Keeton TK, Pettinger WA:** The dominance of adrenergic mechanisms in mediating hypotensive drug-induced renin release in the conscious rat. J Pharmacol Exp Ther 208(2):303–9, Feb 79
ANIMAL/ *ANTIHYPERTENSIVE AGENTS, pharmacodynamics/ BLOOD PRESSURE, drug effects/ CHLORISONDAMINE, pharmacodynamics/ DESOXYCORTICOSTERONE, pharmacodynamics/ HEART RATE, drug effects/ *KIDNEY, innervation/ MALE/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ *RENIN, blood/ SODIUM, pharmacodynamics/ SYMPATHETIC NERVOUS SYSTEM, drug effects/ *SYMPATHETIC NERVOUS SYSTEM, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1882. **Kehlet H:** Influence of epidural analgesia on the endocrine-metabolic response to surgery.
Acta Anaesthesiol Scand [Suppl] (70):39–42, 1978
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ *ANESTHESIA, EPIDURAL/ BLOOD COAGULATION/ BLOOD SUGAR, analysis/ CATECHOLAMINES, secretion/ *ENDOCRINE GLANDS, secretion/ FIBRINOLYSIS/ *GLUCOSE, metabolism/ *HORMONES, secretion/ HUMAN/ *NITROGEN, metabolism/ *OXYGEN CONSUMPTION/ *SURGERY, OPERATIVE

1883. **Kelâmi A:** Operative procedures on male genitalia using a new 'infrapubic' approach. Eur Urol 4(6):468–70, 1978
*GENITALIA, MALE, surgery/ HUMAN/ IMPOTENCE, surgery/ MALE/ METHODS/ PENIS, surgery/ PROSTHESIS/ SCROTUM, surgery/ SPERMATIC CORD TORSION, surgery/ TESTIS, surgery

1884. **Kellems RE, Morhenn VB, Pfendt EA, et al:** Polyoma virus and cyclic AMP-mediated control of dihydrofolate reductase mRNA abundance in methotrexate-resistant mouse fibroblasts. J Biol Chem 254(2):309–18, 25 Jan 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ CELL LINE/ *CELL TRANSFORMATION, VIRAL/ CULTURE MEDIA/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DRUG RESISTANCE/ KINETICS/ *METHOTREXATE, pharmacodynamics/ *POLYOMAVIRUSES/ PROSTAGLANDINS E, pharmacodynamics/ *RNA, MESSENGER, metabolism/ *TETRAHYDROFOLATE DEHYDROGENASE, biosynthesis/ THEOPHYLLINE, pharmacodynamics/ TRANSLATION, GENETIC, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1885. **Keller GH, Taylor JM:** Effect of hypophysectomy and growth hormone treatment on albumin mRNA levels in the rat liver. J Biol Chem 254(2):276–8, 25 Jan 79
*ALBUMINS, biosynthesis/ ANIMAL/ BASE SEQUENCE/ HYPOPHYSECTOMY/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ NUCLEIC ACID HYBRIDIZATION/ POLY A, analysis/ RATS/ *RNA, MESSENGER, metabolism/ *SOMATOTROPIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1886. **Kelly MJ, Kuhnt U, Wuttke W:** Morphological features of physiologically identified hypothalamic neurons as revealed by intracellular marking. Exp Brain Res 34(1):107–16, 2 Jan 79
ANIMAL/ AXONS, ultrastructure/ DENDRITES, ultrastructure/ ELECTRIC STIMULATION/ FEMALE/ FLUORESCENT DYES/ GUINEA PIGS/ *HYPOTHALAMUS, anatomy & histology/ HYPOTHALAMUS, physiology/ HYPOTHALAMUS, MEDIAL, anatomy & histology/ MEDIAN EMINENCE, physiology/ MEMBRANE POTENTIALS/ NEURONS, physiology/ NEURONS, ultrastructure/ PREOPTIC AREA, anatomy & histology/ REACTION TIME, physiology/ SYNAPSES, physiology

1887. **Kelly PT, Cotman CW, Largen M:** Cyclic AMP-stimulated protein kinases at brain synaptic junctions. J Biol Chem 254(5):1564–75, 10 Mar 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ *BRAIN, enzymology/ ENZYME ACTIVATION/ HISTONE KINASE, metabolism/ KINETICS/ MALE/ MOLECULAR WEIGHT/ PHOSPHORYLATION/ PROTEIN KINASE, isolation & purification/ *PROTEIN KINASE, metabolism/ RATS/ SUBCELLULAR FRACTIONS, enzymology/ *SYNAPSES, enzymology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1888. **Kelly WF, Joplin GF:** Intermittent ophthalmoplegia. Br Med J 2(6151):1534–5, 2 Dec 78
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *OPHTHALMOPLEGIA, diagnosis/ OPHTHALMOPLEGIA, drug therapy/ PREDNISONE, therapeutic use/ THYROID FUNCTION TESTS

1889. **Kelnar CJ, Brook C:** Children with small stature [letter] Br Med J 2(6154):1790, 23–30 Dec 78
*BODY HEIGHT/ CHILD/ HUMAN/ PARENTS/ TURNER'S SYNDROME, diagnosis

1890. **Kelts KA, Kaiser KK:** Experimental ischemic myopathy. Effects of aortic ligation and serotonin. J Neurol Sci 40(1):23–7, Jan 79
ANIMAL/ *ISCHEMIA, pathology/ MALE/ *MUSCLES, blood supply/ MUSCLES, pathology/ *MUSCULAR DISEASES, chemically induced/ RATS/ *SEROTONIN, toxicity/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1891. **Kempf I, Jaeger JH, Clavert JM, et al:** L'enclouage centro-médullaire avec alésage. Critique théorique et expérimentale des principes de Kuntscher.
Rev Chir Orthop 64(8):629–34, Dec 78 (Eng. Abstr.) **(Fre)**
BONE AND BONES, physiopathology/ BONE NAILS/ ELASTICITY/ ENGLISH ABSTRACT/ *FRACTURE FIXATION, INTRAMEDULLARY, methods/ FRACTURES, physiopathology/ HUMAN/ MUSCLE TONUS/ ROTATION

1892. **Kenéz J:** Forradalom a korai terhesség felismerésében. Megemlékezés S. Aschheim 100. születésnapjáról.
Orv Hetil 119(52):3200–3, 24 Dec 78 **(Hun)**
ENDOCRINOLOGY, history/ FEMALE/ GERMANY/ HUMAN/ *PREGNANCY TESTS, history/ PREGNANCY

1893. **Kennedy AL, Montgomery DA, Welbourn RB:** Hypothalmic-pituitary-adrenal function of untreated longterm survivors following subtotal adrenalectomy for Cushing's disease. Ir J Med Sci 147(12):420–4, Dec 78
*ADRENALECTOMY, methods/ *CUSHING'S SYNDROME, surgery/ FEMALE/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ MIDDLE AGE/ *PITUITARY-ADRENAL SYSTEM, physiopathology

1894. **Kennedy LA, Persaud TV:** Prenatal toxicity of simultaneously administered ethanol and pentobarbital in the rat.
Exp Pathol (Jena) 15(5):250–9, 1978
*ALCOHOL, ETHYL, toxicity/ ANIMAL/ DRUG SYNERGISM/ *EMBRYO, drug effects/ FEMALE/ KIDNEY, pathology/ LIVER, pathology/ OVARY, pathology/ *PENTOBARBITAL, toxicity/ PLACENTA, pathology/ *PREGNANCY COMPLICATIONS, chemically induced/ PREGNANCY COMPLICATIONS, pathology/ PREGNANCY/ RATS

1895. **Kent S:** Diet, hormones, and breast cancer. Geriatrics 34(1):83–5, 89–90, Jan 79 (38 ref.)
ANIMAL/ BREAST NEOPLASMS, blood/ *BREAST NEOPLASMS, etiology/ BREAST NEOPLASMS, physiopathology/ *DIETARY FATS, adverse effects/ FATS, UNSATURATED, adverse effects/ FEMALE/ HUMAN/ MAMMARY NEOPLASMS, EXPERIMENTAL, etiology/ PROLACTIN, blood/ PROLACTIN, physiology/ REVIEW/ TIME FACTORS

1896. **Keown P, Stiller C, Ulan R, et al:** The role of methylprednisolone in the modulation of cellular cytotoxicity and its relation to renal transplantation.
Proc Eur Dial Transplant Assoc 15:299–305, 1978
CYTOTOXICITY TESTS, IMMUNOLOGIC/ *CYTOTOXICITY, IMMUNOLOGIC, drug effects/ HUMAN/ *KIDNEY, transplantation/ KILLER CELLS, drug effects/ LEUKOCYTE CULTURE TEST, MIXED/ LYMPHOCYTES, immunology/ *METHYLPREDNISOLONE, pharmacodynamics/ TRANSPLANTATION, ALLOGENEIC

1897. **Kerbauy J, Pasqualin R, da Silva MP:** Leucemia linfocítica aguda e gravidez: tratamento quimioterápico durante o primeiro trimestre de gestação. Rev Paul Med 92(3–4):78–80, Sep–Oct 78 (Eng. Abstr.) **(Por)**
ADOLESCENCE/ CASE REPORT/ *CYCLOPHOSPHAMIDE, therapeutic use/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, drug therapy/ *PREDNISONE, therapeutic use/ *PREGNANCY COMPLICATIONS, HEMATOLOGIC, drug therapy/ PREGNANCY TRIMESTER, FIRST/ PREGNANCY/ *VINCRISTINE, therapeutic use

1898. **Kerdelhué B, Khar A, de Nay D, et al:** Inhibition in vitro par la substance P de l'excrétion des gonadotropines induite par le LH-RH à partir de cellules adénohypophysaires de Rat en culture. C R Acad Sci [D] (Paris) 287(9):879–82, 16 Oct 78 (Eng. Abstr.) **(Fre)**
ANIMAL/ CELLS, CULTURED/ DIESTRUS, drug effects/ ENGLISH ABSTRACT/ ESTRUS, drug effects/ FEMALE/ *FSH, secretion/ *LH, secretion/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ *PITUITARY GLAND, ANTERIOR, metabolism/ PROESTRUS, drug effects/ RATS/ *SUBSTANCE P, pharmacodynamics

1899. **Kerley ER, Ubelaker DH:** Revisions in the microscopic method of estimating age at death in human cortical bone.
Am J Phys Anthropol 49(4):545–6, Nov 78
*AGE DETERMINATION BY SKELETON, methods/ *BONE AND BONES, anatomy & histology/ HUMAN/ *LONGEVITY

1900. **Kern WH:** Morphologic and clinical aspects of estrogen receptors in carcinoma of the breast.
Surg Gynecol Obstet 148(2):240–2, Feb 79
BIOPSY/ BREAST NEOPLASMS, mortality/ *BREAST NEOPLASMS, ultrastructure/ CARCINOMA, mortality/ CARCINOMA, ultrastructure/ CARCINOMA, DUCTAL, mortality/ CARCINOMA, DUCTAL, ultrastructure/ CYTODIAGNOSIS/ HUMAN/ LYMPHATIC METASTASIS/ *RECEPTORS, ESTROGEN/ RECURRENCE

1901. **Kertiles LP, Anderson LL, Parker RO, et al:** Maternal serum metabolites during prolonged starvation in pregnant pigs.
Metabolism 28(2):100–4, Feb 79
ANIMAL/ BLOOD PROTEINS, metabolism/ BLOOD UREA NITROGEN/ CORPUS LUTEUM, physiology/ ELECTROLYTES, blood/ FEMALE/ FETAL DEATH, etiology/ FETUS, physiology/ MATERNAL-FETAL EXCHANGE/ *PREGNANCY COMPLICATIONS, metabolism/ PREGNANCY/ *STARVATION, physiopathology/ *SWINE, physiology/ TIME FACTORS

1902. **Keutmann HT, Sauer MM, Hendy GN, et al:** Complete amino acid sequence of human parathyroid hormone.
Biochemistry 17(26):5723–9, 26 Dec 78
AMINO ACID SEQUENCE/ ANIMAL/ CATTLE/ COMPARATIVE STUDY/ HUMAN/ *PARATHYROID HORMONE/ PEPTIDE FRAGMENTS, analysis/ SPECIES SPECIFICITY/ SWINE/ THERMOLYSIN/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1903. **Keyes JW Jr, Brown ML, Swanson DP:** A simple model for anatomic bone scanning studies. Radiology 130(2):532–3, Feb 79
BONE AND BONES, metabolism/ *BONE AND BONES, radionuclide imaging/ FACIAL BONES, metabolism/ FACIAL BONES, radionuclide imaging/ HUMAN/ MODELS, STRUCTURAL/ PYROPHOSPHATES, diagnostic use/ PYROPHOSPHATES, metabolism/ SKULL, metabolism/ SKULL, radionuclide imaging/ TECHNETIUM, diagnostic use/ TECHNETIUM, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1904. **Khairallah PA, Khosla MC, Bumpus FM, et al:** Steroidogenic and pressor activity of angiotensin analogues in the rat.
Clin Sci Mol Med 55 Suppl 4:175s–177s, Dec 78
*ADRENAL GLANDS, metabolism/ *ALDOSTERONE, biosynthesis/ *ANGIOTENSIN II, analogs & derivatives/ ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ BLOOD PRESSURE, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP

1905. **Khan FS, Saxena BN:** Protein polypeptide hormones of the human fetus and placenta. Contrib Gynecol Obstet 5:131–44, 1979 (97 ref.)
FEMALE/ *FETUS, metabolism/ *GONADOTROPINS, PITUITARY, metabolism/ HUMAN/ INSULIN, metabolism/ *PITUITARY HORMONES, metabolism/ *PLACENTA, metabolism/ PREGNANCY/ RENIN, metabolism/ REVIEW/ *THYROID HORMONES, metabolism

1906. **Khan RA:** Factors influencing the distribution of 99m-technetium methylene diphosphonate in bone and soft tissues. Experientia 34(12):1598–600, 15 Dec 78
ANIMAL/ BONE AND BONES, metabolism/ *BONE AND BONES, radionuclide imaging/ *DIPHOSPHONATES, diagnostic use/ DIPHOSPHONATES, metabolism/ DRUG STORAGE/ HYDROGEN-ION

CONCENTRATION/ OSMOLAR CONCENTRATION/ RATS/ *TECHNETIUM, diagnostic use/ TISSUE DISTRIBUTION

1907. **Khandelwal RL:** The regulation of liver phosphoprotein phosphatase by inorganic pyrophosphate and cobalt. Arch Biochem Biophys 191(2):764–73, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL/ CATIONS, DIVALENT/ *COBALT, pharmacodynamics/ FEMALE/ KINETICS/ *LIVER, enzymology/ MAGNESIUM, pharmacodynamics/ PHOSPHOPROTEIN PHOSPHATASES, isolation & purification/ *PHOSPHOPROTEIN PHOSPHATASES, metabolism/ *PYROPHOSPHATES, pharmacodynamics/ RATS

1908. **Khanna OP, Barbieri EJ, McMichael R:** Effects of prostaglandins on vesicourethral smooth muscle of rabbit. Therapeutic implications. Urology 12(6):674–81, Dec 78
ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ BARIUM, pharmacodynamics/ *BLADDER, drug effects/ FEMALE/ HISTAMINE, pharmacodynamics/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ MALE/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ NOREPINEPHRINE, pharmacodynamics/ ORGANOPHOSPHORUS COMPOUNDS, pharmacodynamics/ PROSTAGLANDIN ANTAGONISTS, pharmacodynamics/ PROSTAGLANDINS E, antagonists & inhibitors/ *PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, antagonists & inhibitors/ *PROSTAGLANDINS F, pharmacodynamics/ RABBITS/ RECEPTORS, PROSTAGLANDIN, metabolism/ *URETHRA, drug effects/ URINATION DISORDERS, drug therapy

1909. **Khokhlov AP, Malakhovskiĭ VK:** Osobennosti obmena tsiklicheskogo 3',5'-AMF u bol'nykh progressiruiushchimi myshechnymi distrofiiami. Vopr Med Khim 24(6):754–8, Nov-Dec 78 (Eng. Abstr.) **(Rus)**
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ENGLISH ABSTRACT/ MUSCLES, enzymology/ *MUSCLES, metabolism/ MUSCULAR DYSTROPHY, enzymology/ *MUSCULAR DYSTROPHY, metabolism/ PROTEIN KINASE, metabolism/ SYNDROME/ 3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism

1910. **Khomaziuk AI:** Vliianie gipoksii na legochnoe krovoobrashchenie. Patol Fiziol Eksp Ter (6):3–13, Nov-Dec 78 (99 ref.) **(Rus)**
ACIDOSIS, complications/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ANGIOTENSIN I, metabolism/ ANIMAL/ ANOXIA, complications/ *ANOXIA, physiopathology/ ARTERIES/ DOGS/ EPINEPHRINE, diagnostic use/ HISTAMINE, metabolism/ HUMAN/ HYPERTENSION, PULMONARY, etiology/ MALE/ MAST CELLS, metabolism/ MUSCLE, SMOOTH, metabolism/ PROPRANOLOL, diagnostic use/ PROSTAGLANDINS, metabolism/ *PULMONARY CIRCULATION/ PULMONARY HEART DISEASE, etiology/ REFLEX, ABNORMAL, physiopathology/ REVIEW/ SEROTONIN, metabolism/ VASCULAR RESISTANCE/ VASOCONSTRICTION

1911. **Khosla PK, Chawla KS, Prakash P, et al:** The effect of dexamethason and oxytetracyclin on the growth of Candida albicans. Mykosen 21(10):342–8, Oct 78
ANIMAL/ *CANDIDA ALBICANS, drug effects/ CANDIDA ALBICANS, growth & development/ CANDIDA ALBICANS, pathogenicity/ CORNEAL ULCER, etiology/ *DEXAMETHASONE, pharmacodynamics/ DRUG SYNERGISM/ *OXYTETRACYCLINE, pharmacodynamics/ RABBITS

1912. **Khosla SS, Rooney SA:** Stimulation of fetal lung surfactant production by administration of 17beta-estradiol to the maternal rabbit. Am J Obstet Gynecol 133(2):213–6, 15 Jan 79
ANIMAL/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEMALE/ INJECTIONS, INTRAMUSCULAR/ IRRIGATION/ LUNG, drug effects/ *LUNG, embryology/ LUNG, metabolism/ MATERNAL-FETAL EXCHANGE/ PHOSPHATIDYLCHOLINES, analysis/ PHOSPHATIDYLCHOLINES, biosynthesis/ PHOSPHOLIPIDS, analysis/ PHOSPHOLIPIDS, biosynthesis/ *PULMONARY SURFACTANT, biosynthesis/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1913. **Khudaverdian DN:** Osobennosti reflektornykh reaktsiĭ spinnogo mozga pri éksperimental'nom gipoparatireoze. Biull Eksp Biol Med 86(12):659–62, Dec 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ CALCIUM CHLORIDE, therapeutic use/ CALCIUM, blood/ CATS/ ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ HYPOPARATHYROIDISM, blood/ HYPOPARATHYROIDISM, drug therapy/ *HYPOPARATHYROIDISM, physiopathology/ PERIPHERAL NERVES, physiopathology/ REFLEX, ABNORMAL, drug therapy/ *REFLEX, ABNORMAL, physiopathology/ REFLEX, MONOSYNAPTIC/ *SPINAL CORD, physiopathology

1914. **Khuri FJ, Davis RS, Cockett AT:** Lymphatic network of kidney. II. Effect of diuretics on intrarenal renin release. Urology 12(6):621–5, Dec 78
ANGIOTENSIN I, blood/ ANGIOTENSIN I, metabolism/ ANIMAL/ CHLOROTHIAZIDE, pharmacodynamics/ *DIURETICS, pharmacodynamics/ DOGS/ FUROSEMIDE, pharmacodynamics/ JUXTAGLOMERULAR APPARATUS, drug effects/ JUXTAGLOMERULAR APPARATUS, metabolism/ KIDNEY TUBULES, DISTAL, drug effects/ KIDNEY TUBULES, DISTAL, metabolism/ KIDNEY, drug effects/ *KIDNEY, metabolism/ *LYMPHATIC SYSTEM, metabolism/ MANNITOL, pharmacodynamics/ RENIN, blood/ *RENIN, metabolism/ SODIUM, metabolism

1915. **Khutorskaia VD, Bialik IB:** Zamestitel'naia terapiia kortikosteroidami u bol'nykh khronicheskim destruktivnym tuberkulezom legkikh. Klin Med (Mosk) 56(12):24–9, Dec 78 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADRENAL GLAND HYPOFUNCTION, drug therapy/ ADULT/ ANTITUBERCULAR AGENTS, therapeutic use/ CHRONIC DISEASE/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PREDNISOLONE, therapeutic use/ *TUBERCULOSIS, PULMONARY, drug therapy/ TUBERCULOSIS, PULMONARY, physiopathology

1916. **Kida T, Narita S:** [Clinical study of renal osteodystrophy in chronic dialysis patients by means of whole body skeletal scintiphotography (author's transl)] Kaku Igaku 15(7):1005–11, Oct 78 (Eng. Abstr.) **(Jpn)**
ADULT/ AGED/ *BONE AND BONES, radionuclide imaging/ ENGLISH ABSTRACT/ FEMALE/ *HEMODIALYSIS, adverse effects/ HUMAN/ HYPERPARATHYROIDISM, SECONDARY, etiology/ HYPERPARATHYROIDISM, SECONDARY, radionuclide imaging/ KIDNEY FAILURE, CHRONIC, complications/ MALE/ MIDDLE AGE/ RENAL OSTEODYSTROPHY, etiology/ *RENAL OSTEODYSTROPHY, radionuclide imaging

1917. **Kidokoro Y, Ritchie AK, Hagiwara S:** Effect of tetrodotoxin on adrenaline secretion in the perfused rat adrenal medulla. Nature 278(5699):63–5, 1 Mar 79
ACETYLCHOLINE, pharmacodynamics/ ACTION POTENTIALS, drug effects/ ADRENAL MEDULLA, drug effects/ ADRENAL MEDULLA, physiology/ *ADRENAL MEDULLA, secretion/ ANIMAL/ CALCIUM, metabolism/ COBALT, pharmacodynamics/ *EPINEPHRINE, secretion/ IN VITRO/ *ION CHANNELS, drug effects/ MALE/ POTASSIUM, pharmacodynamics/ RATS/ SODIUM, metabolism/ *TETRODOTOXIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1918. **Kikuchi K, Kowada M, Tsubouchi Y, et al:** [Primary empty sella: report of five cases (author's transl)] Rinsho Hoshasen 24(1):21–6, Jan 79 (Eng. Abstr.) **(Jpn)**
ADULT/ CASE REPORT/ CEREBRAL ANGIOGRAPHY/ *EMPTY SELLA SYNDROME, radiography/ ENGLISH ABSTRACT/ FEMALE/

HUMAN/ MALE/ MIDDLE AGE/ PNEUMOENCEPHALOGRAPHY

1919. **Kim HJ, Kozin F, Johnson RP, et al:** Reflex sympathetic dystrophy syndrome of the knee following meniscectomy. Report of three cases. Arthritis Rheum 22(2):177–81, Feb 79
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *KNEE INJURIES, surgery/ *KNEE/ KNEE, radionuclide imaging/ MALE/ MIDDLE AGE/ OSTEOPOROSIS, diagnosis/ *OSTEOPOROSIS, etiology/ OSTEOPOROSIS, pathology/ REFLEX SYMPATHETIC DYSTROPHY, diagnosis/ *REFLEX SYMPATHETIC DYSTROPHY, etiology/ REFLEX SYMPATHETIC DYSTROPHY, pathology/ *SEMILUNAR CARTILAGES, surgery/ SYNOVIAL MEMBRANE, pathology

1920. **Kim HR, Thrall JH, Keyes JW Jr:** Skeletal scintigraphy following incidental trauma. Radiology 130(2):447–51, Feb 79
*BONE AND BONES, radionuclide imaging/ *BONE NEOPLASMS, radionuclide imaging/ CALLUS, radiography/ *CALLUS, radionuclide imaging/ DIAGNOSIS, DIFFERENTIAL/ FRACTURES, radiography/ *FRACTURES, radionuclide imaging/ HUMAN/ JAW NEOPLASMS, radionuclide imaging/ NEOPLASM METASTASIS/ TECHNETIUM, diagnostic use/ *TOOTH EXTRACTION

1921. **Kim JS, Hirano M, Uchimura H, et al:** High proportions of type B monoamine oxidase in the discrete circumventricular regions of the rat. J Neurochem 32(1):253–6, Jan 79
ANIMAL/ *BRAIN, enzymology/ CLORGYLINE, pharmacodynamics/ HYPOTHALAMUS, enzymology/ KINETICS/ MALE/ *MONOAMINE OXIDASE, metabolism/ PINEAL BODY, enzymology/ PREOPTIC AREA, enzymology/ RATS/ TISSUE DISTRIBUTION

1922. **Kimberly RP:** Treatment of lupus nephritis with combined therapy [letter] N Engl J Med 300(10):564–5, 8 Mar 79
CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, therapeutic use/ FOLLOW-UP STUDIES/ HUMAN/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ *NEPHRITIS, drug therapy/ NEPHRITIS, etiology/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ PROGNOSIS/ STATISTICS

1923. **Kimura F, Kawakami M:** Reanalysis of the preoptic afferents and efferents involved in the surge of LH, FSH and prolactin release in the proestrous rat. Neuroendocrinology 27(1–2):74–85, 1978
*AFFERENT PATHWAYS, physiology/ ANIMAL/ *BRAIN, physiology/ ELECTRIC STIMULATION/ *ESTRUS/ FEMALE/ *FSH, secretion/ *LH, secretion/ OVULATION/ *PROESTRUS/ *PROLACTIN, secretion/ RATS

1924. **Kimura M, Yagi N, Itokawa Y:** Effect of subacute manganese feeding on serotonin metabolism in the rat.
J Toxicol Environ Health 4(5–6):701–7, Sep–Nov 78
ANIMAL/ BLOOD PRESSURE, drug effects/ BRAIN, enzymology/ CALCIUM, metabolism/ DRUG INTERACTIONS/ LIVER, metabolism/ MAGNESIUM, metabolism/ MALE/ MANGANESE, metabolism/ *MANGANESE, pharmacodynamics/ MONOAMINE OXIDASE, metabolism/ POTASSIUM, metabolism/ RATS/ *SEROTONIN, metabolism/ SODIUM, metabolism

1925. **Kimura M, Yagi N, Itokawa Y:** Effect of subacute manganese feeding on serotonin metabolism in the rat.
J Environ Pathol Toxicol 2(2):455–61, Nov–Dec 78
ANIMAL/ BLOOD PRESSURE, drug effects/ BRAIN, metabolism/ CARBOXY-LYASES, metabolism/ ELECTROLYTES, metabolism/ LIVER, metabolism/ MALE/ MANGANESE, metabolism/ *MANGANESE, pharmacodynamics/ MONOAMINE OXIDASE, metabolism/ RATS/ SEROTONIN, blood/ *SEROTONIN, metabolism

1926. **Kimura T, Matsui K, Ota K, et al:** Hypothalamic hypernatremia due to volume--dependent ADH release, and its treatment with carbamazepine and clofibrate. Tohoku J Exp Med 127(2):101–11, Feb 79
ADULT/ BLOOD VOLUME/ *CARBAMAZEPINE, therapeutic use/ CASE REPORT/ *CLOFIBRATE, therapeutic use/ HUMAN/ HYPERNATREMIA, drug therapy/ *HYPERNATREMIA, metabolism/ MALE/ OSMOLAR CONCENTRATION/ PERFUSION/ PITUITARY DISEASES, drug therapy/ *PITUITARY DISEASES, metabolism/ SALINE SOLUTION, HYPERTONIC/ *VASOPRESSINS, secretion/ WATER DEPRIVATION

1927. **King CR, Cook DM:** Bilateral gonadoblastoma in a phenotypic female with 45,X/46,X, dicentric iso Y [45,X/46,X,idic(Yq)] mosaicism. Birth Defects 14(6C):109–22, 1978
ADOLESCENCE/ CASE REPORT/ CHROMOSOME BANDING/ CHROMOSOMES, HUMAN, ultrastructure/ FEMALE/ HUMAN/ KARYOTYPING/ MOSAICISM/ *OVARIAN NEOPLASMS, familial & genetic/ *SEX CHROMOSOME ABNORMALITIES/ *SEX CHROMOSOMES/ *TERATOID TUMOR, familial & genetic/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *Y CHROMOSOME

1928. **King CR:** Bras, breast carcinoma, and cryptorchid testis [letter] Lancet 1(8106):45, 6 Jan 79
BODY TEMPERATURE/ *BREAST NEOPLASMS, etiology/ CARCINOGENS/ CLOTHING, adverse effects/ *CRYPTORCHISM, complications/ FEMALE/ HEAT, adverse effects/ HUMAN/ MALE/ *TESTICULAR NEOPLASMS, etiology

1929. **King J:** New diseases in new niches. Nature 276(5683):4–7, 2 Nov 78
BACTERIA, pathogenicity/ DISEASE OUTBREAKS, prevention & control/ DRUG RESISTANCE, MICROBIAL/ *DNA, RECOMBINANT/ GENES, STRUCTURAL/ HORMONES, genetics/ INDUSTRY/ RESEARCH DESIGN, standards/ RESEARCH SUPPORT/ RISK

1930. **King JO:** The effects of ketosis in dairy cows on body weight, milk yield and milk composition. Br Vet J 135(1):40–3, Jan–Feb 79
*ACIDOSIS, veterinary/ ANIMAL/ BODY WEIGHT/ *CATTLE DISEASES, physiopathology/ CATTLE/ FEMALE/ KETOSIS, physiopathology/ *KETOSIS, veterinary/ *LACTATION/ *MILK, analysis/ PREGNANCY

1931. **King RJ, Whitehead MI, Campbell S, et al:** Biochemical studies on endometrium from postmenopausal women receiving hormone replacement therapy. Postgrad Med J 54(2):65–8, 1978
CELL NUCLEUS, metabolism/ ENDOMETRIUM, cytology/ ENDOMETRIUM, drug effects/ *ENDOMETRIUM, metabolism/ ESTRADIOL DEHYDROGENASES, metabolism/ *ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ FEMALE/ HUMAN/ *MENOPAUSE, drug effects/ *NORETHINDRONE, pharmacodynamics/ *PREMARIN, pharmacodynamics/ RECEPTORS, ESTROGEN, metabolism/ RECEPTORS, PROGESTERONE, metabolism

1932. **Kingham JG, Dick R, Bloom SR, et al:** Vipoma: localisation by percutaneous transhepatic portal venous sampling. Br Med J 2(6153):1682–3, 16 Dec 78
CASE REPORT/ *DIARRHEA, etiology/ *GASTROINTESTINAL HORMONES, blood/ *HORMONES, ECTOPIC, blood/ HUMAN/ MALE/ MIDDLE AGE/ *PANCREATIC NEOPLASMS, diagnosis/ PANCREATIC NEOPLASMS, secretion/ PORTAL VEIN/ *VASOACTIVE INTESTINAL PEPTIDE, blood

1933. **Kinoshita F, Maekawa A, Toriya S, et al:** [Determination of thyroxine in serum by gammacoat T4 (author's transl)] Radioisotopes 27(8):470–3, Aug 78 **(Jpn)**
HUMAN/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC/ THYROID DISEASES, blood/ *THYROXINE, blood

1934. **Kinoshita F, Yatomi K, Takahashi H, et al:** [Determination of triiodothyronine in serum by gammacoat T3 (author's transl)] Radioisotopes 27(8):466–9, Aug 78 **(Jpn)**
HUMAN/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC/ THYROID DISEASES, blood/ *TRIIODOTHYRONINE, blood

1935. **Kinsella AR, Radman M:** Tumor promoter induces sister chromatid exchanges: relevance to mechanisms of carcinogenesis. Proc Natl Acad Sci USA 75(12):6149–53, Dec 78
CELL LINE/ *CELL TRANSFORMATION,

NEOPLASTIC, drug effects/ *CHROMATIDS, drug effects/ CHROMOSOME ABERRATIONS/ CHROMOSOMES, drug effects/ *CROSSING OVER (GENETICS), drug effects/ FLUOCINOLONE ACETONIDE, pharmacodynamics/ LEUPEPTINS, pharmacodynamics/ *PHORBOLS, pharmacodynamics/ RECOMBINATION, GENETIC, drug effects/ STRUCTURE-ACTIVITY RELATIONSHIP/ TETRADECANOYLPHORBOL ACETATE, antagonists & inhibitors/ *TETRADECANOYLPHORBOL ACETATE, pharmacodynamics

1936. **Kinson GA:** Effects of pipecolinomethylhydroxyindane on testicular and adrenocortical function in rats. Arch Androl 1(2):185–91, 1978
ADRENAL CORTEX, anatomy & histology/ *ADRENAL CORTEX, drug effects/ ALDOSTERONE, blood/ ANDROSTENEDIONE, biosynthesis/ ANIMAL/ CORTICOSTERONE, blood/ IN VITRO/ *INDANS, pharmacodynamics/ *INDENES, pharmacodynamics/ MALE/ ORGAN WEIGHT, drug effects/ *PIPECOLIC ACIDS, pharmacodynamics/ PROSTATE, anatomy & histology/ PROSTATE, drug effects/ RATS/ *TESTIS, drug effects/ TESTIS, metabolism/ TESTOSTERONE, biosynthesis/ TESTOSTERONE, blood

1937. **Kirillov VF, Buniatian AF, Bokeriia LA, et al:** Vliianie povyshennogo davleniia na sostoianie gipofizarno-nadpochechnikovoĭ i gonadnoĭ sistem (éksperimental'nye dannye). Gig Tr Prof Zabol (1):39–41, 1979 **(Rus)**
ANIMAL/ ATMOSPHERE EXPOSURE CHAMBERS/ *ATMOSPHERIC PRESSURE/ CORTICOSTERONE, metabolism/ ESTRUS/ FEMALE/ *OVARY, physiology/ *PITUITARY-ADRENAL SYSTEM, physiology/ PROGESTATIONAL HORMONES, metabolism/ RATS/ TIME FACTORS

1938. **Kirksey A, Ernst JA, Roepke JL, et al:** Influence of mineral intake and use of oral contraceptives before pregnancy on the mineral content of human colostrum and of more mature milk. Am J Clin Nutr 32(1):30–9, Jan 79
ADOLESCENCE/ ADULT/ CALCIUM/ *COLOSTRUM, metabolism/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ CONTRACEPTIVES, ORAL, COMBINED, pharmacodynamics/ *CONTRACEPTIVES, ORAL, SYNTHETIC, pharmacodynamics/ COPPER/ DIURNAL RHYTHM/ FEMALE/ HUMAN/ LACTATION, drug effects/ MAGNESIUM/ MANGANESE/ *MILK, HUMAN, metabolism/ MINERALS, metabolism/ *MINERALS, pharmacodynamics/ PREGNANCY/ TIME FACTORS/ ZINC

1939. **Kishihara M, Nakao Y, Baba Y, et al:** Effects of alpha- and beta-adrenergic blockers on binding of thyrotrophin to fat cell membrane. Acta Endocrinol (Copenh) 90(2):240–8, Feb 79
*ADIPOSE TISSUE, metabolism/ ANESTHETICS, LOCAL, pharmacodynamics/ ANIMAL/ ANTI-ARRHYTHMIA AGENTS, pharmacodynamics/ *CELL MEMBRANE, metabolism/ GUINEA PIGS/ HUMAN/ *PHENTOLAMINE, pharmacodynamics/ *PROPRANOLOL, pharmacodynamics/ *QUINIDINE, pharmacodynamics/ RADIOLIGAND ASSAY/ *RECEPTORS, HORMONE, drug effects/ *THYROTROPIN, metabolism

1940. **Kisliak NS, Averbakh MM, Bergol'ts VM, et al:** Immunologicheskiĭ kontrol za deĭstviem vaktsiny BTsZh pri khimioimmunoterapii ostrogo leĭkoza u deteĭ. Sov Med (11):35–8, Nov 78 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ *ANTINEOPLASTIC AGENTS, administration & dosage/ *BCG VACCINE, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ HUMAN/ IMMUNITY, CELLULAR/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ LEUKEMIA, LYMPHOBLASTIC, immunology/ *LEUKEMIA, LYMPHOBLASTIC, therapy/ MERCAPTOPURINE, administration & dosage/ METHOTREXATE, administration & dosage/ MONITORING, PHYSIOLOGIC/ PREDNISOLONE, administration & dosage/ VINCRISTINE, administration & dosage

1941. **Kiss P, Fehér T:** Adrenokortikální funkce u obézních dětí. Cesk Pediatr 33(10):606–9, Oct 78 (Eng. Abstr.) **(Cze)**
ADOLESCENCE/ ADRENAL CORTEX HORMONES, urine/ *ADRENAL CORTEX, physiopathology/ CHILD/ CHILD, PRESCHOOL/ CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ MALE/ *OBESITY, physiopathology

1942. **Kiss P, Osztovics M, Szönyi P:** Ambiguous genitals and the choice of gender. Acta Paediatr Acad Sci Hung 19(3):191–8, 1978
ADRENOGENITAL SYNDROME, diagnosis/ CASE REPORT/ CHILD, PRESCHOOL/ DYSGERMINOMA, diagnosis/ FEMALE/ GENITALIA, abnormalities/ GONADS, abnormalities/ HUMAN/ HYPOSPADIAS, diagnosis/ INFANT/ INFANT, NEWBORN/ KARYOTYPING/ MALE/ PSEUDOHERMAPHRODITISM, diagnosis/ SEX CHROMOSOME ABNORMALITIES, diagnosis/ *SEX DETERMINATION/ *SEX DIFFERENTIATION DISORDERS, diagnosis/ TESTICULAR FEMINIZATION, diagnosis/ TESTICULAR NEOPLASMS, diagnosis/ TURNER'S SYNDROME, diagnosis

1943. **Kissi M, Faber JA:** Oral contraceptive use and secondary amenorrhea. Obstet Gynecol 53(2):241–4, Feb 79
*AMENORRHEA, chemically induced/ AMENORRHEA, drug therapy/ CLOMIPHENE, therapeutic use/ *CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, SYNTHETIC, adverse effects/ DRUG THERAPY, COMBINATION/ ESTROGENS, metabolism/ FEMALE/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ MENOTROPINS, therapeutic use/ MENSTRUATION, drug effects/ OVULATION INDUCTION/ PARITY/ PREGNANCY/ SYNDROME

1944. **Kitamura H, Kitamura H, Tozawa T, et al:** Cemented tungsten carbide pneumoconiosis. Acta Pathol Jpn 28(6):921–35, Nov 78
ADULT/ BONE AND BONES, analysis/ CARBON, adverse effects/ CASE REPORT/ COBALT, analysis/ FEMALE/ HUMAN/ KIDNEY, analysis/ LIVER, analysis/ LUNG, analysis/ LUNG, pathology/ LUNG, ultrastructure/ METALLURGY/ PNEUMOCONIOSIS, etiology/ *PNEUMOCONIOSIS, pathology/ *TUNGSTEN, adverse effects/ TUNGSTEN, analysis

1945. **Kitani K, Sasaki Y:** [Serum thyroid hormone level in the healthy adult male] Horumon To Rinsho 26(10):1043–9, Oct 78 **(Jpn)**
ADULT/ AGE FACTORS/ HUMAN/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY/ REAGENT KITS, DIAGNOSTIC/ *THYROXINE, blood

1946. **Kitchell BB, Rauckman EJ, Rosen GM:** The effect of temperature on mixed function amine oxidase intrinsic fluorescence and oxidative activity. Mol Pharmacol 14(6):1092–8, Nov 78
ANILINE COMPOUNDS, metabolism/ ANIMAL/ CIRCULAR DICHROISM/ IN VITRO/ METHIMAZOLE, metabolism/ MICROSOMES, LIVER, enzymology/ *MIXED FUNCTION OXIDASES, metabolism/ NADP, metabolism/ *OXIDOREDUCTASES, metabolism/ SPECTROMETRY, FLUORESCENCE/ SWINE/ TEMPERATURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1947. **Kitoh J, Isomura G:** [A method for the bone-maceration, by proteolytic and lipolytic enzymes and the extraction of lipids (author's transl)] Psychiatr Commun 53(5):362–4, 1978 (Eng. Abstr.) **(Jpn)**
*ANATOMY, methods/ ANIMAL/ *BONE AND BONES/ ENGLISH ABSTRACT/ LIPASE/ LIPIDS/ PEPTIDE HYDROLASES

1948. **Kitsunai Y, Takahashi S, Ogawa S, et al:** [Assessment of radioimmunoassay kit without extraction for ACTH, and reformation of the procedure (author's transl)] Kaku Igaku 15(7):1025–31, Oct 78 **(Jpn)**
*CORTICOTROPIN, blood/ HUMAN/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC

1949. **Klabuschnigg A, Granditsch G, Frisch H:** Congenitale Hypothyreose mit oligosymptomatischer Spätmanifestation.

Paediatr Paedol 14(1):103–6, 1979 (Eng. Abstr.) **(Ger)**
AGE FACTORS/ CASE REPORT/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, diagnosis/ THYROID GLAND, abnormalities/ THYROID GLAND, radionuclide imaging/ THYROXINE, blood

1950. **Klandorf H, Sharp PJ, Duncan IJ:** Variations in levels of plasma thyroxine and triiodothyronine in juvenile female chickens during 24- and 16-hr lighting cycles.
Gen Comp Endocrinol 36(2):238–43, Oct 78
ANIMAL/ CHICKENS/ *CIRCADIAN RHYTHM/ DARKNESS/ FEMALE/ HEART RATE/ LIGHT/ LIGHTING/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood

1951. **Klehr HU, von Lilienfeld-Toal H, Mackes KG:** Parathormon und cAMP in der Niereninsuffizienz.
Verh Dtsch Ges Inn Med (84):1291–4, 1978 **(Ger)**
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ HUMAN/ *KIDNEY DISEASES, metabolism/ *PARATHYROID HORMONE, secretion

1952. **Klein E:** Konservative Therapie der Hyperthyreose vom Typ M. Basedow (Indikation und Taktik).
Langenbecks Arch Chir 347:131–6, Nov 78 (Eng. Abstr.) **(Ger)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ GOITER, EXOPHTHALMIC, drug therapy/ *GOITER, EXOPHTHALMIC, radiotherapy/ GOITER, EXOPHTHALMIC, surgery/ HUMAN/ *IODINE RADIOISOTOPES, therapeutic use/ MIDDLE AGE/ *THYROID ANTAGONISTS, therapeutic use/ THYROIDECTOMY

1953. **Kleine TO, Schippers K:** Unspecific and specific stimulating effects of 3',5'-cyclic nucleotides (cGMP, cAMP, cIMP, cCMP) on the in vitro biosynthesis of proteochondroitin-4,-6-sulfate and on other anabolic processes from calf rib cartilage. Agents Actions 8(6):636–43, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANAEROBIOSIS, drug effects/ ANIMAL/ CARTILAGE, drug effects/ *CARTILAGE, metabolism/ CATTLE/ CYTOSINE NUCLEOTIDES, pharmacodynamics/ GLYCOLYSIS, drug effects/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ IN VITRO/ INOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *NUCLEOTIDES, CYCLIC, pharmacodynamics/ PROTEINS, biosynthesis/ *PROTEOCHONDROITIN SULFATES, biosynthesis/ *PROTEOGLYCANS, biosynthesis

1954. **Kleine TO, Kroh U:** Time saving protein binding assay for the simultaneous determination of guanosine 3':5'-monophosphate (cGMP) and adenosine 3':5'-monophosphate (cAMP) in human urine.
J Clin Chem Clin Biochem 16(12):657–61, Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ BUFFERS/ CATTLE/ COMPARATIVE STUDY/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ HUMAN/ LOBSTERS/ METHODS/ MUSCLE PROTEINS/ PHOSPHODIESTERASE INHIBITORS/ PROTEIN BINDING

1955. **Kleinhaus S, Winslow PR, Sheran M, et al:** Evolution of individualized management of tracheal obstruction.
J Pediatr Surg 13(6D):669–76, Dec 78
CASE REPORT/ CHILD, PRESCHOOL/ DILATATION/ ELECTROCOAGULATION/ FEMALE/ GRANULOMA, surgery/ HISTIOCYTOMA, surgery/ HUMAN/ INFANT/ INFANT, NEWBORN/ INTUBATION, INTRATRACHEAL, adverse effects/ MALE/ STEROIDS, therapeutic use/ TRACHEAL NEOPLASMS, surgery/ TRACHEAL STENOSIS, congenital/ TRACHEAL STENOSIS, etiology/ *TRACHEAL STENOSIS, therapy/ TRACHEOESOPHAGEAL FISTULA, surgery/ *TRACHEOTOMY/ TRACHEOTOMY, adverse effects

1956. **Kleinknecht D, Bochereau G, Chauveau P:** Les insuffisances rénales aiguës par nécrose tubulaire. 1. Physiopathologie.
Rev Prat 28(49):3779–84, 1 Nov 78 (Eng. Abstr.) **(Fre)**
ANGIOTENSIN II, physiology/ ANIMAL/ ENGLISH ABSTRACT/ HUMAN/ *KIDNEY FAILURE, ACUTE, physiopathology/ KIDNEY TUBULAR NECROSIS, ACUTE, complications/ *KIDNEY TUBULAR NECROSIS, ACUTE, physiopathology/ OLIGURIA, etiology/ OLIGURIA, physiopathology/ RENIN, physiology

1957. **Kleinman HK, Murray JC, McGoodwin EB, et al:** Attachment of bone cells to collagen. pp. 61–72.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.
ANIMAL/ BONE AND BONES, cytology/ *BONE AND BONES, metabolism/ CELLS, CULTURED/ *COLLAGEN, metabolism/ FETUS/ MONOGRAPH/ PROTEIN BINDING/ RATS

1958. **Kleinstein J, Glossmann H, Braun L, et al:** Solubilization of a mammalian beta-adrenergic receptor.
Naunyn Schmiedebergs Arch Pharmacol 305(3):191–200, 27 Dec 78
ADENYL CYCLASE, isolation & purification/ ANIMAL/ CATIONS, DIVALENT, pharmacodynamics/ FEMALE/ GUANINE NUCLEOTIDES, pharmacodynamics/ GUINEA PIGS/ IN VITRO/ LIGANDS/ LUNG, analysis/ MEMBRANES, analysis/ METHODS/ PINDOLOL, analogs & derivatives/ PINDOLOL, diagnostic use/ *RECEPTORS, ADRENERGIC, isolation & purification/ RECEPTORS, ADRENERGIC, BETA, drug effects/ *RECEPTORS, ADRENERGIC, BETA, isolation & purification/ RECEPTORS, ADRENERGIC, BETA, metabolism/ SOLUBILITY/ TIME FACTORS

1959. **Klemm HP, Baumgarten HG, Schlossberger HG:** In vitro studies on the interaction of brain monoamine oxidase with 5,6- and 5,7-dihydroxytryptamine. J Neurochem 32(1):111–9, Jan 79
ANIMAL/ *BRAIN, enzymology/ CLORGYLINE, pharmacodynamics/ *DIHYDROXYTRYPTAMINES, metabolism/ FEMALE/ HYPOTHALAMUS, enzymology/ ISOMERISM/ KINETICS/ MEDULLA OBLONGATA, enzymology/ *MONOAMINE OXIDASE, metabolism/ PONS, enzymology/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ SUBSTRATE SPECIFICITY/ *5,6-DIHYDROXYTRYPTAMINE, metabolism/ *5,7-DIHYDROXYTRYPTAMINE, metabolism

1960. **Klepinger LL:** Paleopathologic evidence for the evolution of rheumatoid arthritis. Am J Phys Anthropol 50(1):119–22, Jan 78
*ARTHRITIS, RHEUMATOID, history/ ARTHRITIS, RHEUMATOID, pathology/ BONE AND BONES, pathology/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, ANCIENT/ HUMAN/ MALE/ *PALEOPATHOLOGY/ SICILY/ SPINE, pathology/ *SPONDYLITIS, ANKYLOSING, history/ SPONDYLITIS, ANKYLOSING, pathology

1961. **Klepp O, Dahl O, Stenwig JT:** Association of Kaposi's sarcoma and prior immunosuppressive therapy: a 5-year material of Kaposi's sarcoma in Norway. Cancer 42(6):2626–30, Dec 78
ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ AGED/ AZATHIOPRINE, adverse effects/ CASE REPORT/ FEMALE/ FOOT/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, adverse effects/ MALE/ MIDDLE AGE/ NORWAY/ *SARCOMA, KAPOSI'S, chemically induced/ SARCOMA, KAPOSI'S, etiology

1962. **Kley HK, Strohmeyer G, Krüskemper HL:** Effect of testosterone application on hormone concentrations of androgens and estrogens in male patients with cirrhosis of the liver.
Gastroenterology 76(2):235–41, Feb 79
ADULT/ *ANDROSTENEDIONE, blood/ ASCITES, etiology/ *ESTRADIOL, blood/ *ESTRONE, blood/ GYNECOMASTIA, blood/ GYNECOMASTIA, etiology/ GYNECOMASTIA, physiopathology/ HUMAN/ LIVER CIRRHOSIS, blood/ *LIVER CIRRHOSIS, physiopathology/ MALE/ PROTEIN BINDING/ SEX HORMONE BINDING GLOBULIN, analysis/ TESTOSTERONE, blood/ *TESTOSTERONE, therapeutic use

1963. **Kligman AM, Frosch PJ:** Steroid addiction. Int J Dermatol 18(1):23–31, Jan–Feb 79 (35 ref.)
ACNE, chemically induced/ ADMINISTRATION, TOPICAL/ ADRENAL CORTEX HORMONES, administration & dosage/ *ADRENAL CORTEX

HORMONES, adverse effects/ BETAMETHASONE 17-VALERATE, adverse effects/ *DERMATITIS MEDICAMENTOSA, etiology/ DERMATITIS MEDICAMENTOSA, pathology/ *DRUG DEPENDENCE, etiology/ FEMALE/ GENITAL DISEASES, MALE, drug therapy/ HUMAN/ INTERTRIGO, chemically induced/ MALE/ MIDDLE AGE/ PRURITUS ANI, chemically induced/ PRURITUS VULVAE, chemically induced/ REVIEW/ ROSACEA, chemically induced/ TELANGIECTASIS, chemically induced

1964. **Kliherman MM:** Patolohomorfolohichna i histokhimichna kharakterystyka ploda i platsenty pry nevidbutnykh aborti i rodakh. Pediatr Akush Ginekol (6):51–4, Nov–Dec 78 **(Ukr)**
ABORTION, MISSED, metabolism/ *ABORTION, MISSED, pathology/ FEMALE/ FETAL DEATH, metabolism/ FETAL DEATH, pathology/ FETUS, metabolism/ *FETUS, pathology/ HUMAN/ LABOR COMPLICATIONS, metabolism/ *LABOR COMPLICATIONS, pathology/ PLACENTA, metabolism/ *PLACENTA, pathology/ PREGNANCY

1965. **Kliment J, Beseda O, Péč J:** Korelácia medzi klinickým stavom a morfologickými zmenami pri karcinómoch prostaty, liečených estrogénnymi látkami. Rozhl Chir 57(12):798–804, Dec 78 (Eng. Abstr.) **(Slo)**
*CARCINOMA, drug therapy/ CARCINOMA, pathology/ ENGLISH ABSTRACT/ *ESTROGENIC SUBSTANCES, CONJUGATED, therapeutic use/ HUMAN/ MALE/ *PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, pathology

1966. **Klinger G, Gruhn K:** Zum Einfluss hormonaler Kontrazeptiva auf das Spektrum der freien Plasmaaminosäuren. Dtsch Gesundheitsw 33(50):2373–7, 1978 **(Ger)**
ADOLESCENCE/ ADULT/ *AMINO ACIDS, blood/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ CONTRACEPTIVES, ORAL, COMBINED, pharmacodynamics/ *CONTRACEPTIVES, ORAL, HORMONAL, pharmacodynamics/ ETHINYL ESTRADIOL, analogs & derivatives/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ NORETHINDRONE, pharmacodynamics/ NORGESTREL, pharmacodynamics

1967. **Klippel KF, Altwein JE:** Palliative Therapiemöglichkeiten beim metastasierten Hypernephrom. Dtsch Med Wochenschr 104(1):28–31, 5 Jan 79 **(Ger)**
ADENOCARCINOMA, drug therapy/ ADENOCARCINOMA, radiotherapy/ ADENOCARCINOMA, surgery/ *ADENOCARCINOMA, therapy/ EMBOLIZATION, THERAPEUTIC/ ESTROGEN ANTAGONISTS, therapeutic use/ HUMAN/ IMMUNOTHERAPY/ KIDNEY NEOPLASMS, drug therapy/ KIDNEY NEOPLASMS, radiotherapy/ KIDNEY NEOPLASMS, surgery/ *KIDNEY NEOPLASMS, therapy/ NEOPLASM METASTASIS/ NEPHRECTOMY/ PALLIATIVE TREATMENT/ PROGESTATIONAL HORMONES, therapeutic use

1968. **Klumpner GH:** A review of Freud's writings on adolescence. Adolesc Psychiatry 6:59–74, 1978
ADOLESCENCE/ *ADOLESCENT PSYCHOLOGY/ FANTASY/ FEMALE/ *FREUDIAN THEORY/ HUMAN/ LATENCY PERIOD (PSYCHOLOGY)/ MALE/ MASTURBATION/ OBJECT ATTACHMENT/ *PSYCHOANALYTIC THEORY/ PSYCHOSEXUAL DEVELOPMENT/ PUBERTY/ SEX FACTORS

1969. **Knapp MS, Kowanko I, Mahoney PG, et al:** A domiciliary study of urinary circadian rhythms in rheumatoid patients with particular reference to the effects of the time of administration of corticosteroid drugs [proceedings] Br J Clin Pharmacol 6(5):461P–462P, Nov 78
*ARTHRITIS, RHEUMATOID, urine/ *CIRCADIAN RHYTHM, drug effects/ *GLUCOCORTICOIDS, administration & dosage/ HUMAN/ TIME FACTORS

1970. **Knight PJ, Chadwick A, Ball JN:** Biological tests on eel 'prolactin' separated by gel electrophoresis. Gen Comp Endocrinol 36(1):30–2, Sep 78
ANIMAL/ BIOLOGICAL ASSAY/ *EELS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ PITUITARY GLAND/ *PROLACTIN, analysis

1971. **Knoll E, Kayser A, Wisser H:** Verhalten von Gesamtöstriol, nichtkonjugiertem Ostriol, Human Placenta Lactogen und Oxytocinase im Serum sowie der Gesamtöstrogene im Urin von schwangeren Frauen nach Gabe von Betamethason. J Clin Chem Clin Biochem 16(11):621–4, Nov 78 (Eng. Abstr.) **(Ger)**
*AMINOPEPTIDASES, blood/ *BETAMETHASONE, diagnostic use/ ENGLISH ABSTRACT/ *ESTRIOL, blood/ *ESTROGENS, urine/ FEMALE/ HUMAN/ KINETICS/ *OXYTOCINASE, blood/ *PLACENTAL LACTOGEN, blood/ *PREGNANCY

1972. **Knorr D, Beckmann D, Bidlingmaier F, et al:** Plasma testosterone in male puberty. II. hCG stimulation test in boys with hypospadia. Acta Endocrinol (Copenh) 90(2):365–71, Feb 79
CHILD/ GONADOTROPINS, CHORIONIC, administration & dosage/ *GONADOTROPINS, CHORIONIC, diagnostic use/ HUMAN/ *HYPOSPADIAS, blood/ INJECTIONS, INTRAMUSCULAR/ MALE/ PUBERTY/ RADIOIMMUNOASSAY/ *TESTOSTERONE, blood

1973. **Knowland J:** Induction of vitellogenin synthesis in Xenopus laevis tadpoles. Differentiation 12(1):47–51, 15 Nov 78
ANIMAL/ EMBRYO, NON-MAMMALIAN, drug effects/ EMBRYO, NON-MAMMALIAN, metabolism/ *ESTRADIOL, pharmacodynamics/ FEMALE/ FROGS/ IN VITRO/ *LIPOPROTEINS, biosynthesis/ LIVER, drug effects/ LIVER, metabolism/ MALE/ PROTEINS, biosynthesis/ SEX FACTORS/ *VITELLOGENIN, biosynthesis/ XENOPUS

1974. **Knowles JF, Berry M:** Effects of deoxycorticosterone acetate on regeneration of axons in the mammalian central nervous system. Exp Neurol 62(1):1–15, Oct 78
ADRENALECTOMY/ ANIMAL/ *AXONS, physiology/ *DESOXYCORTICOSTERONE, pharmacodynamics/ *FACIAL NERVE, physiology/ MICE/ MICE, NUDE/ NERVE DEGENERATION/ *NERVE REGENERATION, drug effects

1975. **Knudsen JF, Litkowski LJ, Wilson TL, et al:** Concentrations of hydrogen ions, oxygen, carbon dioxide and bicarbonate in porcine follicular fluid. J Endocrinol 79(2):249–50, Nov 78
ANIMAL/ BICARBONATES, analysis/ BODY FLUIDS, analysis/ CARBON DIOXIDE, analysis/ FEMALE/ *GRAAFIAN FOLLICLE, analysis/ HYDROGEN-ION CONCENTRATION/ OXYGEN, analysis/ PARTIAL PRESSURE/ *SWINE, metabolism

1976. **Knudson CM, Stemberger BH, Patton S:** Effects of colchicine on ultrastructure of the lactating mammary cell: membrane involvement and stress on the Golgi apparatus. Cell Tissue Res 195(1):169–81, 14 Dec 78
ANIMAL/ CELL MEMBRANE, drug effects/ *COLCHICINE, pharmacodynamics/ ENDOPLASMIC RETICULUM, ultrastructure/ EXOCYTOSIS, drug effects/ FEMALE/ GOATS/ *GOLGI APPARATUS, drug effects/ *LACTATION, drug effects/ LIPIDS, secretion/ *MAMMAE, drug effects/ MAMMAE, ultrastructure/ MICROSCOPY, ELECTRON/ MICROTUBULES, ultrastructure/ PREGNANCY/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1977. **Kobayashi I, Takahashi H, Takahashi K, et al:** [Clinical application of 1-deamino-8-D-arginine vasopressin to mild hemophilia A (author's transl)] Rinsho Ketsueki 19(12):1614–21, Dec 78 **(Jpn)**
ADULT/ *ARGIPRESSIN, therapeutic use/ BLOOD COAGULATION, drug effects/ DESMOPRESSIN, pharmacodynamics/ *DESMOPRESSIN, therapeutic use/ FACTOR XIII, analysis/ FIBRINOLYSIS, drug effects/ HEMOPHILIA, blood/ *HEMOPHILIA, drug therapy/ HUMAN/ MALE/ MIDDLE AGE

1978. **Kobayashi K, Miura Y, Tomioka H, et al:** Falsely high urinary catecholamines induced by labetalol. Tohoku J Exp Med 127(1):63–9, Jan 79
ADRENAL GLAND NEOPLASMS, drug therapy/ ADULT/ *CATECHOLAMINES, urine/ *ETHANOLAMINES, pharmacodynamics/ FALSE POSITIVE REACTIONS/ FEMALE/ HUMAN/ *LABETALOL, pharmacodynamics/ LABETALOL, therapeutic use/ PHEOCHROMOCYTOMA, drug therapy/ *PHEOCHROMOCYTOMA, urine/ PHOTOMETRY/ VANILMANDELIC ACID, urine

1979. **Kobayashi R, Kuo IC, Coffee CJ, et al:** Purification and characterization of a troponin C-like phosphodiesterase activator from bovine thyroid. Metabolism 28(2):169–82, Feb 79
AMINO ACIDS, analysis/ ANIMAL/ BRAIN CHEMISTRY/ CALCIUM, pharmacodynamics/ *CALCIUM-DEPENDENT REGULATOR, isolation & purification/ CALCIUM-DEPENDENT REGULATOR, pharmacodynamics/ *CARRIER PROTEINS, isolation & purification/ CATTLE/ COMPARATIVE STUDY/ ENZYME ACTIVATION/ MOLECULAR WEIGHT/ *MUSCLE PROTEINS/ MYOCARDIUM, analysis/ NERVE TISSUE PROTEINS, isolation & purification/ ORGAN SPECIFICITY/ *THYROID GLAND, analysis/ *TROPONIN/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1980. **Koch B, Lutz-Bucher B, Briaud B, et al:** Specific interaction of corticosteroids with binding sites in the plasma membranes of the rat anterior pituitary gland. J Endocrinol 79(2):215–22, Nov 78
ADRENALECTOMY/ ANIMAL/ CELL MEMBRANE, metabolism/ *CORTICOSTERONE, metabolism/ DEXAMETHASONE, metabolism/ IN VITRO/ KINETICS/ MALE/ NUCLEOTIDASES, metabolism/ *PITUITARY GLAND, ANTERIOR, metabolism/ RATS/ *RECEPTORS, GLUCOCORTICOID, metabolism/ *RECEPTORS, STEROID, metabolism/ STRESS, metabolism/ SUBCELLULAR FRACTIONS, metabolism

1981. **Kochhar OS:** Changes in plasma membrane and microfilaments accompanying morphologic differentiation in Chinese hamster ovary (CHO) cells. Exp Cell Res 118(1):191–203, Jan 79
ADENYL CYCLASE, metabolism/ *CELL DIFFERENTIATION/ CELL FRACTIONATION/ CELL LINE/ *CELL MEMBRANE, ultrastructure/ *CYTOPLASM, ultrastructure/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ *MICROFILAMENTS, ultrastructure/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1982. **Kocián J:** Poruchy metabolismu vápníku a vitamínu d u jaterních chorob. Cesk Gastroenterol Vyz 32(8):514–5, Dec 78 **(Cze)**
*CALCIUM, metabolism/ HUMAN/ HYPOCALCEMIA, etiology/ INTESTINAL ABSORPTION/ LIVER DISEASES, complications/ *LIVER DISEASES, metabolism/ VITAMIN D DEFICIENCY, etiology/ *VITAMIN D, metabolism

1983. **Kodama S, Ninomiya M, Seki A, et al:** Transient congenital pseudohypoparathyroidism type II. Kobe J Med Sci 24(4):199–210, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ FEMALE/ HUMAN/ INFANT, NEWBORN/ PHOSPHORUS, urine/ *PSEUDOHYPOPARATHYROIDISM, congenital/ PSEUDOHYPOPARATHYROIDISM, urine

1984. **Koelmeyer TD, Stephens EJ, Wood HF:** Experience with 6-aminoglutethimide in the treatment of metastatic breast cancer. Clin Oncol 4(4):323–7, Dec 78
ADRENAL GLANDS, drug effects/ AMINOGLUTETHIMIDE, adverse effects/ *AMINOGLUTETHIMIDE, therapeutic use/ BETAMETHASONE, therapeutic use/ *BREAST NEOPLASMS, drug therapy/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ NEOPLASM METASTASIS, drug therapy/ REMISSION/ SKIN, drug effects

1985. **Koetsawang S, Srisupandit S, Kiriwat O, et al:** The monthly injectable contraceptive: a two-year clinical trial. Int J Gynaecol Obstet 16(1):61–4, 1978
ADULT/ *CONTRACEPTIVE AGENTS, FEMALE, administration & dosage/ DRUG COMBINATIONS/ DRUG EVALUATION/ *ESTRADIOL, administration & dosage/ FEMALE/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ *MEDROXYPROGESTERONE, administration & dosage/ PREGNANCY/ TIME FACTORS

1986. **Kokkinidis L, Irwin J, Anisman H:** Shock-induced locomotor excitation following acute and chronic amphetamine treatment. Neuropharmacology 18(1):13–22, Jan 79
ANIMAL/ BRAIN CHEMISTRY, drug effects/ DEXTROAMPHETAMINE, administration & dosage/ *DEXTROAMPHETAMINE, pharmacodynamics/ DOPAMINE BETA-HYDROXYLASE, antagonists & inhibitors/ DOPAMINE, metabolism/ *ELECTROSHOCK/ FLA 63, pharmacodynamics/ MALE/ METHYLTYROSINES, pharmacodynamics/ MICE/ *MOTOR ACTIVITY, drug effects/ NOREPINEPHRINE, metabolism/ SEROTONIN, metabolism/ STEREOTYPED BEHAVIOR, drug effects/ TIME FACTORS/ TYROSINE HYDROXYLASE, antagonists & inhibitors

1987. **Kokot F, Pietrek J, Seredyński M:** Influence of haemoperfusion on plasma levels of hormones and beta-methyldigoxin. Proc Eur Dial Transplant Assoc 15:604–6, 1978
ALDOSTERONE, blood/ CHARCOAL/ *DIGOXIN, analogs & derivatives/ GASTRINS, blood/ *HEMOPERFUSION/ *HORMONES, blood/ HUMAN/ HYDROXYCHOLECALCIFEROLS, blood/ INSULIN, blood/ *MEDIGOXIN, blood/ PARATHYROID HORMONE, blood/ RENIN, blood/ SOMATOTROPIN, blood/ THYROID HORMONES, blood

1988. **Kokron O, Pridun N, Zischinsky W:** DTIC in der Therapie solider Tumoren. Wien Klin Wochenschr 90(24):864–7, 22 Dec 78 (Eng. Abstr.) **(Ger)**
ANTINEOPLASTIC AGENTS, administration & dosage/ ANTINEOPLASTIC AGENTS, therapeutic use/ *DACARBAZINE, therapeutic use/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ HEAD AND NECK NEOPLASMS, drug therapy/ HUMAN/ MELANOMA, drug therapy/ NEOPLASM METASTASIS/ *NEOPLASMS, drug therapy/ OTORHINOLARYNGOLOGIC DISEASES, drug therapy/ SARCOMA, KAPOSI'S, drug therapy/ SOFT TISSUE NEOPLASMS, drug therapy/ THYMOMA, drug therapy/ THYMUS NEOPLASMS, drug therapy/ *TRIAZENES, therapeutic use

1989. **Kolb B, Nonneman AJ, Whishaw IQ:** Influence of frontal neocortex lesions and body weight manipulation on the severity of lateral hypothalamic aphagia. Physiol Behav 21(4):541–7, Oct 78
ANIMAL/ *BODY WEIGHT/ *CEREBRAL CORTEX, physiology/ DRINKING BEHAVIOR, physiology/ *FEEDING BEHAVIOR, physiology/ *HYPOTHALAMUS, physiology/ MALE/ OBESITY, physiopathology/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1990. **Kolodina LN, Tugolukov VN:** Ekskretsiia katekholaminov u rodil'nits v rannye sroki poslerodovogo perioda pri razlichnykh urovniakh laktatsii. Vopr Okhr Materin Det 23(12):59–62, Dec 78 (Eng. Abstr.) **(Rus)**
ADULT/ *CATECHOLAMINES, urine/ COMPARATIVE STUDY/ DIURNAL RHYTHM/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LACTATION DISORDERS, urine/ *LACTATION/ PREGNANCY/ *PUERPERIUM

1991. **Kolzow RG, Nollen PM:** Effects of stressful conditions on the development and movement of reproductive cells in Schistosoma japonicum. J Parasitol 64(6):994–7, Dec 78
ANIMAL/ BLOOD, parasitology/ CELL MOVEMENT/ CULTURE MEDIA/ FEMALE/ HAMSTERS/ MALE/ OOCYTES, physiology/ OOGENESIS/ OVARY, anatomy & histology/ PERITONEAL CAVITY, parasitology/ *SCHISTOSOMA JAPONICUM, physiology/ SPERMATOGENESIS/ SPERMATOZOA, physiology/ TESTIS, anatomy & histology

1992. **Komatsu K, Okada K, Fuji-wara K, et al:** [Significance of computed tomography in therapeutic diagnosis of brain tumors (author's transl)] No Shinkei Geka 6(12):1165–72, Dec 78 (Eng. Abstr.) **(Jpn)**
ADOLESCENCE/ ADULT/ *BRAIN NEOPLASMS, radiography/ CASE REPORT/ CEREBELLAR NEOPLASMS, radiography/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ *GLIOBLASTOMA MULTIFORME, radiography/ HUMAN/ MALE/ MIDDLE AGE/ *PINEALOMA, radiography/ *TOMOGRAPHY, COMPUTERIZED AXIAL

1993. **Komatz Y, Yoshida O:** Palmar dermatoglyphics of the patients with Klinefelter's syndrome (47,XXY). Jinrui Idengaku Zasshi 23(3):245–8, Sep 78
*DERMATOGLYPHICS/ FEMALE/ HUMAN/ *KLINEFELTER'S SYNDROME/ MALE

1994. **Komourdjian MP, Idler DR:** Hepatic mediation of hormonal

and nutritional factors influencing the in vitro sulfur uptake by rainbow trout bone. Gen Comp Endocrinol 36(1):33–9, Sep 78
ANIMAL/ *BONE AND BONES, metabolism/ COMPARATIVE STUDY/ HYPOPHYSECTOMY/ *LIVER, metabolism/ *SALMONIDAE, metabolism/ *SOMATOTROPIN, pharmacodynamics/ *STARVATION/ *SULFUR, metabolism/ *THYROXINE, pharmacodynamics/ *TROUT, metabolism

1995. **Kondo K, Misumi J, Nakamura R, et al:** Effect of estrogen upon the juxtaglomerular apparatus and the renin–angiotensin system in rats. Tohoku J Exp Med 126(3):267–72, Nov 78
*ANGIOTENSINS, blood/ ANIMAL/ BLOOD PRESSURE, drug effects/ *DIETHYLSTILBESTROL, pharmacodynamics/ *ESTRIOL, pharmacodynamics/ JUXTAGLOMERULAR APPARATUS, cytology/ *JUXTAGLOMERULAR APPARATUS, drug effects/ MALE/ RATS/ *RENIN, blood

1996. **Konowalchuk J, Dickie N, Stavric S, et al:** Comparative studies of five heat–labile toxic products of Escherichia coli. Infect Immun 22(3):644–8, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *BACTERIAL TOXINS/ BACTERIAL TOXINS, analysis/ BACTERIAL TOXINS, biosynthesis/ BODY WATER, metabolism/ CELL LINE/ COMPARATIVE STUDY/ *ENTEROTOXINS/ ENTEROTOXINS, analysis/ ENTEROTOXINS, biosynthesis/ *ESCHERICHIA COLI, analysis/ ESCHERICHIA COLI, metabolism/ HEAT/ ISOELECTRIC POINT/ NEUTRALIZATION TESTS

1997. **Konstantinov P, Gospodinov G, Kostov L:** Prilozhenie na gravokhormona za povishavane zaplodiaemostta i plodovitostta pri kravite. Vet Med Nauki 15(4):14–9, 1978 (Eng. Abstr.) **(Bul)**
ANIMAL/ *CATTLE, physiology/ DRUG EVALUATION, veterinary/ ENGLISH ABSTRACT/ FEMALE/ *FERTILITY, drug effects/ *FERTILIZATION, drug effects/ *GONADOTROPINS, CHORIONIC, administration & dosage/ *GONADOTROPINS, EQUINE, administration & dosage/ PREGNANCY/ PUERPERIUM, drug effects/ STIMULATION, CHEMICAL/ TIME FACTORS

1998. **Konstantinova MM, Nekrasova IV, Gusareva EV, et al:** Issledovanie roli éndogennogo serotonia v mekhanizme deĭstviia radiozashchitnykh agentov. Soobshchenie 3. Ob otsutstvii sviazi modifitsirovannoĭ radiochuvstvitelnosti kletok s izmeneniem v nikh soderzhaniia éndogennogo serotonina. Radiobiologiia 18(6):860–3, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
CARCINOMA, EHRLICH TUMOR, physiopathology/ CARCINOMA, EHRLICH TUMOR, radiotherapy/ DRUG COMBINATIONS/ DRUG INTERACTIONS/ ENGLISH ABSTRACT/ ESCHERICHIA COLI, drug effects/ ESCHERICHIA COLI, radiation effects/ ETHYLMALEIMIDE, pharmacodynamics/ IN VITRO/ NOREPINEPHRINE, pharmacodynamics/ *RADIATION TOLERANCE/ *RADIATION-PROTECTIVE AGENTS, pharmacodynamics/ *SEROTONIN, physiology

1999. **Konstantinova MM, Nekrasova IV, Panaeva SV:** Radiorezistentnost' kletok raznykh shtammov E. coli i soderzhanie éndogennogo serotonina v nikh. Radiobiologiia 18(6):908–10, Nov–Dec 78 **(Rus)**
*ESCHERICHIA COLI, radiation effects/ *RADIATION TOLERANCE/ *SEROTONIN, physiology/ X-RAYS

2000. **Kopecký A:** Některé aktuální problémy v dětské endokrinologii. Cesk Pediatr 33(10):578–9, Oct 78 **(Cze)**
ADOLESCENCE/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ CZECHOSLOVAKIA/ *ENDOCRINOLOGY/ HUMAN/ INFANT/ INFANT, NEWBORN/ *PEDIATRICS

2001. **Kopsa H, Bettelheim H, Grabner G, et al:** Long term observation of ocular findings after renal transplantation. Proc Eur Dial Transplant Assoc 15:372–7, 1978
ADOLESCENCE/ ADULT/ CATARACT, chemically induced/ CHILD/ *EYE DISEASES, etiology/ FEMALE/ HUMAN/ INTRAOCULAR PRESSURE/ *KIDNEY, transplantation/ MALE/ MIDDLE AGE/ *POSTOPERATIVE COMPLICATIONS/ PREDNISOLONE, adverse effects/ TIME FACTORS/ TRANSPLANTATION, ALLOGENEIC

2002. **Kopytova FV:** Aktivnost' neironov gipotalamusa pri vyrabotke oboronitel'nogo uslovnogo refleksa. Zh Vyssh Nerv Deiat 28(6):1239–48, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ *CONDITIONING, CLASSICAL, physiology/ ELECTROSHOCK/ ENGLISH ABSTRACT/ EXTINCTION (PSYCHOLOGY), physiology/ HEART RATE/ *HYPOTHALAMUS, physiology/ HYPOTHALAMUS, MEDIAL, physiology/ MOTOR ACTIVITY, physiology/ NEURAL INHIBITION/ RABBITS/ SOUND

2003. **Korbut R, Moncada S:** Prostacyclin (PGI2) and thromboxane A2 interaction in vivo. Regulation by aspirin and relationship with anti–thrombotic therapy. Thromb Res 13(3):489–500, Sep 78
ANIMAL/ ARACHIDONIC ACIDS, administration & dosage/ *ARACHIDONIC ACIDS, pharmacodynamics/ ASPIRIN, administration & dosage/ *ASPIRIN, pharmacodynamics/ CATS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ *FIBRINOLYTIC AGENTS, therapeutic use/ INJECTIONS, INTRAVENOUS/ MALE/ *PLATELET AGGREGATION, drug effects/ *PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ *THROMBOXANE A2, pharmacodynamics/ *THROMBOXANES, pharmacodynamics

2004. **Kordenat K, Kezdi P:** Serotonin blockade during experimental coronary thrombosis. Am Heart J 97(3):329–38, Mar 79
ANIMAL/ CORONARY DISEASE, enzymology/ CORONARY DISEASE, metabolism/ *CORONARY DISEASE, physiopathology/ DOGS/ HEMODYNAMICS, drug effects/ MYOCARDIUM, pathology/ SEROTONIN ANTAGONISTS/ *SEROTONIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ URIC ACID, metabolism/ *VASOCONSTRICTOR AGENTS/ VASOCONSTRICTOR AGENTS, antagonists & inhibitors

2005. **(Koref O), Holló I:** Dr. Koref Oszkár 1897–1978. Orv Hetil 120(1):39, 7 Jan 79 **(Hun)**
CURRENT BIOG-OBIT/ ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUNGARY

2006. **Korenman SG, Sherman BM, Korenman JC:** Reproductive hormone function: the perimenopausal period and beyond. Clin Endocrinol Metab 7(3):625–43, Nov 78 (82 ref.)
ADOLESCENCE/ ADULT/ ANDROSTENEDIONE, physiology/ BLOOD PRESSURE/ CLIMACTERIC/ ESTRADIOL, blood/ ESTROGENS, adverse effects/ ESTROGENS, therapeutic use/ FEMALE/ FSH, blood/ *HORMONES, metabolism/ HUMAN/ LH, blood/ *MENOPAUSE/ MENSTRUATION/ MIDDLE AGE/ NEOPLASMS, chemically induced/ OSTEOPOROSIS, prevention & control/ PROGESTERONE, blood/ REVIEW

2007. **Koridze MG, Mgaloblishvili MM, Kavkasidze MG:** Effect of experimentally induced generalized seizures on the wakefulness–-sleep cycle. Neurosci Behav Physiol 8(4):311–6, Oct–Dec 77
AMYGDALOID BODY, physiopathology/ ANIMAL/ *BRAIN, physiopathology/ CATS/ CEREBRAL CORTEX, physiopathology/ CONVULSIONS, etiology/ *CONVULSIONS, physiopathology/ ELECTRIC STIMULATION/ ELECTROPHYSIOLOGY/ SLEEP DEPRIVATION/ *SLEEP STAGES, physiology/ SLEEP, REM, physiology

2008. **Koriukin VM, Myshinskaia LP:** Obshchaia anesteziia so spontannym dykhaniem pri operatsiiakh na shchitovidnoĭ zheleze. Anesteziol Reanimatol (6):46–50, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
*ANESTHESIA, GENERAL/ ANESTHESIA, INTRAVENOUS/ CASE REPORT/ CLINICAL RESEARCH/ DROPERIDOL/ ENGLISH ABSTRACT/ FEMALE/ FENTANYL/ HEMODYNAMICS, drug effects/ HEXOBARBITAL/ HOMEOSTASIS, drug effects/ HUMAN/

NEUROLEPTANALGESIA/ OXYGEN CONSUMPTION, drug effects/ *RESPIRATION/ RESPIRATION, drug effects/ SODIUM OXYBATE/ THIOPENTAL/ *THYROID GLAND, surgery/ THYROIDECTOMY

2009. **Koriyama K, Arimori S:** The distribution of lymphocyte subpopulations in human tissue. Part II. Studies on detection of lymphocyte subpopulations infiltrating in the target organs of various autoimmune disorders.
Nippon Ketsueki Gakkai Zasshi 41(1):72–80, Feb 78
ADULT/ *B-LYMPHOCYTES, pathology/ FEMALE/ FROZEN SECTIONS/ HUMAN/ *LEUKOCYTE COUNT, methods/ MIDDLE AGE/ *SJOGREN'S SYNDROME, pathology/ *T-LYMPHOCYTES, pathology/ *THYROIDITIS, LYMPHOMATOUS, pathology

2010. **Korkach VI, Iurchenko AA:** Soderzhanie svobodnykh zhirnykh kislot v myshtsakh adrenaléktomirovannykh krys vo vremia deiatel'nosti. Patol Fiziol Eksp Ter (6):75–6, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
*ADRENALECTOMY/ ANIMAL/ ENGLISH ABSTRACT/ *EXERTION/ *FATTY ACIDS, NONESTERIFIED, analysis/ MALE/ *MUSCLES, analysis/ RATS

2011. **Korkina MV, Morozov PV:** Dismorfofobicheskie rasstroĭstva (obzor literatury). Zh Nevropatol Psikhiatr 79(1):92–111, 1979 (117 ref.) **(Rus)**
ADOLESCENCE/ AGED/ *BODY IMAGE/ DELUSIONS, diagnosis/ FEMALE/ HALLUCINATIONS, diagnosis/ HUMAN/ MALE/ MIDDLE AGE/ NEUROSES, OBSESSIVE-COMPULSIVE, diagnosis/ NOMENCLATURE/ ODORS/ *PHOBIAS, diagnosis/ PHOBIAS, psychology/ PHOBIAS, therapy/ PROGNOSIS/ PUBERTY/ REVIEW/ SCHIZOPHRENIA, diagnosis/ SCHIZOPHRENIA, LATENT, diagnosis/ SCHIZOPHRENIC PSYCHOLOGY/ SYNDROME

2012. **Korobkin M, White EA, Kressel HY, et al:** Computed tomography in the diagnosis of adrenal disease. AJR 132(2):231–8, Feb 79
*ADRENAL GLAND DISEASES, radiography/ ADRENAL GLAND NEOPLASMS, radiography/ *ADRENAL GLANDS, radiography/ CUSHING'S SYNDROME, radiography/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ HYPERALDOSTERONISM, radiography/ PHEOCHROMOCYTOMA, radiography/ *TOMOGRAPHY, COMPUTERIZED AXIAL/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2013. **Korovin AM, Rudenko IIa, Bogoiavlenskaia NM:** Osobennosti obmena serotonina i ATF v trombotsitakh u bol'nykh s raznymi stadiiami narusheniia mozgovogo krovoobrashcheniia ishemicheskogo kharaktera.
Zh Nevropatol Psikhiatr 79(1):32–5, 1979 (Eng. Abstr.) **(Rus)**
*ADENOSINE TRIPHOSPHATE, blood/ ADENOSINE TRIPHOSPHATE, metabolism/ ADULT/ AGED/ *BLOOD PLATELETS, analysis/ BLOOD PLATELETS, metabolism/ *CEREBRAL INFARCTION, blood/ *CEREBRAL ISCHEMIA, TRANSIENT, blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *SEROTONIN, blood/ SEROTONIN, metabolism

2014. **Korovkin BF, Kozhemiakin LA, Kozlov AV:** Tsiklicheskie nukleotidy v norme i pri patologii. Voen Med Zh (12):35–40, Dec 78 (32 ref.) **(Rus)**
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ASTHMA, metabolism/ CENTRAL NERVOUS SYSTEM, metabolism/ COMPARATIVE STUDY/ ENDOCRINE DISEASES, metabolism/ GASTROINTESTINAL DISEASES, metabolism/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HUMAN/ MUSCLES, metabolism/ MYOCARDIAL INFARCTION, metabolism/ *NUCLEOTIDES, CYCLIC, metabolism/ PHOSPHODIESTERASES, metabolism/ PROTEIN KINASE, metabolism/ REVIEW

2015. **Korovnikov KA:** Izofermentaia kharakteristika nadpochechnikov pri nekotorykh ékstremal'nykh vozdeĭstviiakh. Vestn Akad Med Nauk SSSR (2):38–48, 1979 (Eng. Abstr.) **(Rus)**
*ADRENAL GLANDS, enzymology/ ANIMAL/ *BURNS, enzymology/ *CORTICOTROPIN, pharmacodynamics/ ENGLISH ABSTRACT/ ENZYME ACTIVATION, drug effects/ *ISOENZYMES, metabolism/ MOLECULAR WEIGHT/ RATS/ TIME FACTORS/ TISSUE DISTRIBUTION, drug effects

2016. **Korsager S, Ostergaard Kristensen HP:** Iodine-induced hypothyroidism and its effect on the severity of asthma. Acta Med Scand 205(1–2):115–7, 1979
AGED/ *ASTHMA, complications/ ASTHMA, drug therapy/ EXPECTORANTS/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, complications/ HYPOTHYROIDISM, chemically induced/ *HYPOTHYROIDISM, complications/ IODINE, administration & dosage/ *IODINE, adverse effects/ MALE/ MIDDLE AGE/ RETROSPECTIVE STUDIES/ TIME FACTORS

2017. **Koshy KT, VanDerSlik AL:** High-performance liquid chromatographic method for the determination of 25-hydroxycholecalciferol in chicken egg yolks.
J Agric Food Chem 27(1):180–3, Jan–Feb 79
ANIMAL/ CHICKENS/ CHROMATOGRAPHY, HIGH SPEED LIQUID/ *EGG YOLK, analysis/ FEMALE/ *HYDROXYCHOLECALCIFEROLS, analysis

2018. **Kosik OG, Troitskiĭ GV, Pavliuk VG, et al:** Fiziko-khimicheskie svoĭstva immunoglobulina G iz syvorotki tireoidéktomirovannykh krolikov. Vopr Med Khim 24(6):827–32, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ CHINCHILLAS/ CIRCULAR DICHROISM/ ENGLISH ABSTRACT/ *IGG/ ISOELECTRIC FOCUSING/ OPTICAL ROTATORY DISPERSION/ PROTEIN CONFORMATION/ RABBITS/ *THYROIDECTOMY/ ULTRAVIOLET RAYS

2019. **Köster K, Heide H:** Therapeutische Einsatzmöglichkeiten einer neuentwickelten Keramik in der veterinärmedizinischen Knochenchirurgie. DTW 86(2):67–9, 5 Feb 79 (Eng. Abstr.) **(Ger)**
ANIMAL/ *BONE AND BONES, surgery/ CALCIUM PHOSPHATES/ *CERAMICS/ DOGS/ ENGLISH ABSTRACT/ METHODS/ *SURGERY, OPERATIVE, veterinary

2020. **Kösters S, Horwitz A:** Zur urologishcen Problematik und Genese des Bauchmuskelaplasie-Syndroms.
Z Urol Nephrol 71(12):865–74, Dec 78 (Eng. Abstr.) **(Ger)**
*ABDOMINAL WALL, abnormalities/ *ABNORMALITIES, MULTIPLE/ ENGLISH ABSTRACT/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ SYNDROME/ *TESTIS, abnormalities/ *UROGENITAL SYSTEM, abnormalities

2021. **Kotaka S:** Effects of air ions on microorganisms and other biological materials. CRC Crit Rev Microbiol 6(2):109–49, 1978 (386 ref.)
*AIR IONIZATION/ ANIMAL/ *BACTERIA, physiology/ BEHAVIOR, ANIMAL/ BLOOD, physiology/ ENDOCRINE GLANDS, physiology/ *FUNGI, physiology/ HEALTH/ HEART, physiology/ HUMAN/ HYPERTENSION, therapy/ IMMUNITY/ INSECTS, physiology/ METABOLISM/ PHYSICAL THERAPY/ *PLANTS, physiology/ RESPIRATION/ RESPIRATORY TRACT DISEASES, therapy/ RETICULOENDOTHELIAL SYSTEM, physiology/ REVIEW

2022. **Kouřim J, Skovránková J:** K výskytu křivice v Praze.
Cesk Pediatr 34(1):42–3, Jan 79 (Eng. Abstr.) **(Cze)**
AGE FACTORS/ CHILD, PRESCHOOL/ CZECHOSLOVAKIA/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ *RICKETS, occurrence

2023. **Kovač T:** Razvoj odeljenja za endokrine bolesti i bolesti metabolizma klinike za interne bolesti u Novom Sadu.
Med Pregl 31(9–10):417–22, 1978 (Eng. Abstr.) **(Scr)**
*ENDOCRINE DISEASES/ ENGLISH ABSTRACT/ *HOSPITAL DEPARTMENTS/ HOSPITAL DEPARTMENTS, utilization/ HUMAN/ *METABOLIC DISEASES/ YUGOSLAVIA

2024. **Kovač T:** Racionalna medikamentna terapija u endokrinologiji i poremedjajima metabolizma. Med Pregl 31(11–12):503–5, 1978 **(Scc)**

*ENDOCRINE DISEASES, therapy/ HUMAN/ *METABOLIC DISEASES, therapy/ METHODS

2025. **Kövary PM, Dykgers A, Niermann H:** C1q precipitins in human seminal plasma. Arch Androl 1(1):99–102, 1978
CHROMATOGRAPHY, GEL/ *COMPLEMENT 1, analysis/ DEOXYRIBONUCLEASE, pharmacodynamics/ HUMAN/ KLINEFELTER'S SYNDROME, immunology/ MALE/ OLIGOSPERMIA, immunology/ *PRECIPITINS, analysis/ RIBONUCLEASE, pharmacodynamics/ *SEMEN, immunology

2026. **Kowalski CJ, Nasjleti CE, Schmitt B:** On the peripheral location of the Y chromosome. Hum Genet 44(2):123–35, 31 Oct 78
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ *CHROMOSOMES, HUMAN, ultrastructure/ *DOWN'S SYNDROME, familial & genetic/ HUMAN/ *KLINEFELTER'S SYNDROME, familial & genetic/ MALE/ METAPHASE/ NOMENCLATURE/ *SEX CHROMOSOMES/ UNITED STATES GOV'T SUPPORTED/ *Y CHROMOSOME

2027. **Kozlowski K, Soutter GB:** XXXXY syndrome (supra–Klinefelter) showing features of spondyloepiphyseal dysplasia. Radiol Diagn (Berl) 19(4):457–61, Aug 78
CASE REPORT/ CHILD, PRESCHOOL/ ECCENTROOSTEOCHONDRODYSPLASIA, familial & genetic/ *ECCENTROOSTEOCHONDRODYSPLASIA, radiography/ HUMAN/ KLINEFELTER'S SYNDROME, familial & genetic/ *KLINEFELTER'S SYNDROME, radiography/ MALE

2028. **Kračmar P, Hníková O, Pirkl S, et al:** Včasný záchyt kongenitálních hypotyreóz. Stanovení celkového tyroxinu metodou RIA T4 spot–ostion. Cas Lek Cesk 117(46):1436–9, 1978 (Eng. Abstr.) **(Cze)**
ENGLISH ABSTRACT/ HUMAN/ *HYPOTHYROIDISM, blood/ HYPOTHYROIDISM, congenital/ RADIOIMMUNOASSAY, methods/ *THYROXINE, blood/ TIME FACTORS

2029. **Kraicer J, Elliot NL, Zimmerman AE:** In vitro release of ACTH from dispersed rat pars intermedia cells. III. Multiple forms of ACTH biological activity. Neuroendocrinology 27(1–2):86–96, 1978
ANIMAL/ CORTICOTROPIN, isolation & purification/ *CORTICOTROPIN, secretion/ HYPOTHALAMUS, physiology/ IN VITRO/ MALE/ PITUITARY GLAND, ANTERIOR, drug effects/ *PITUITARY GLAND, ANTERIOR, secretion/ RATS/ SEROTONIN, pharmacodynamics/ TISSUE EXTRACTS

2030. **Krakower CA, Nicholes BK, Greenspon SA:** Proteinuria and the fragility of normal and diseased glomerular basement membrane. Proc Soc Exp Biol Med 159(3):324–34, Dec 78
ANIMAL/ ANTIBODIES/ BASEMENT MEMBRANE, physiology/ ELASTICITY/ *GLOMERULONEPHRITIS, physiopathology/ HISTAMINE, pharmacodynamics/ KIDNEY GLOMERULUS, drug effects/ *KIDNEY GLOMERULUS, physiology/ KIDNEY GLOMERULUS, physiopathology/ KIDNEY GLOMERULUS, ultrastructure/ MALE/ *PROTEINURIA, physiopathology/ PUROMYCIN/ RATS/ SEROTONIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2031. **Kramer MS, Kauschansky A, Genel M:** Adolescent secondary amenorrhea: association with hypothalamic hypothyroidism. J Pediatr 94(2):300–3, Feb 79
ADOLESCENCE/ AMENORRHEA, blood/ *AMENORRHEA, etiology/ CASE REPORT/ FEMALE/ GONADOTROPINS, PITUITARY, blood/ HUMAN/ *HYPOTHALAMO–HYPOPHYSEAL SYSTEM, physiopathology/ HYPOTHYROIDISM, blood/ *HYPOTHYROIDISM, complications/ HYPOTHYROIDISM, drug therapy/ HYPOTHYROIDISM, physiopathology/ OVARY, physiopathology/ PITUITARY–ADRENAL FUNCTION TESTS/ PITUITARY–ADRENAL SYSTEM, physiology/ THYROID HORMONES, blood/ THYROXINE, therapeutic use/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2032. **Kramer RE, Greiner JW, Rumbaugh RC, et al:** Requirement of the pituitary gland for gonadal hormone effects on hepatic drug metabolism in rats. J Pharmacol Exp Ther 208(1):19–23, Jan 79
ADRENALECTOMY/ ANIMAL/ CASTRATION/ ESTRADIOL, pharmacodynamics/ HYPOPHYSECTOMY/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ *MIXED FUNCTION OXIDASES, metabolism/ *OXIDOREDUCTASES, metabolism/ *PITUITARY GLAND, physiology/ RATS/ *SEX HORMONES, physiology/ STANOLONE, pharmacodynamics/ TESTOSTERONE, pharmacodynamics/ THYROIDECTOMY/ UNITED STATES GOV'T SUPPORTED

2033. **Kraner HW, Patterson JF, Smith JC:** Combined cortical thickness and bone density determination by photon absorptiometry. Phys Med Biol 23(6):1101–14, Nov 78
ANIMAL/ *BONE AND BONES/ *BONE DISEASES, diagnosis/ BONE DISEASES, etiology/ CALCIUM, deficiency/ CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ *DENSITOMETRY, methods/ FEMALE/ *MINERALS/ RATS/ *SPECTRUM ANALYSIS, methods/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2034. **Krasovskiĭ EB, Kozlova VI:** Patomorfologicheskie i ul'trastrukturnye izmeneniia pri virusnykh vospaleniiakh v platsente. Vopr Okhr Materin Det 23(11):79–80, Nov 78 **(Rus)**
FEMALE/ HUMAN/ *PLACENTA DISORDERS, pathology/ *PLACENTA, ultrastructure/ PREGNANCY/ VIRUS DISEASES, pathology

2035. **Krause W:** On the correlation between FSH, LH and prolactin serum levels. Endokrinologie 72(2):129–35, May 78
ADULT/ *FSH, blood/ HUMAN/ *LH, blood/ LH–FSH RELEASING HORMONE, diagnostic use/ MALE/ *PROLACTIN, blood/ TESTOSTERONE, blood/ THYROTROPIN RELEASING HORMONE, diagnostic use

2036. **Krauze M:** Wydalanie estrogenów i pregnandiolu przez ciężarne z niewydolnością szyjki macicy. Wiad Lek 31(22):1587–91, 15 Nov 78 (Eng. Abstr.) **(Pol)**
ADULT/ *CERVIX INCOMPETENCE, urine/ ENGLISH ABSTRACT/ *ESTROGENS, urine/ FEMALE/ HUMAN/ *PREGNANCY COMPLICATIONS, urine/ PREGNANCY/ *PREGNANEDIOL, urine

2037. **Krawitt EL, Beeken WL:** Case report: intestinal clearance of calcium and protein in Waldenstrom's macroglobulinemia. Am J Med Sci 276(3):349–52, Nov–Dec 78
ALBUMINURIA, metabolism/ *CALCIUM, metabolism/ CASE REPORT/ HUMAN/ *INTESTINAL ABSORPTION/ MACROGLOBULINEMIA, complications/ *MACROGLOBULINEMIA, metabolism/ MALABSORPTION SYNDROMES, etiology/ MALABSORPTION SYNDROMES, metabolism/ MALE/ MIDDLE AGE/ *PROTEINS, metabolism/ SPRUE, etiology/ SPRUE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2038. **Krayniak PF, Siegel A:** Efferent connections of the septal area in the pigeon. Brain Behav Evol 15(5–6):389–404, 1978
ANIMAL/ AUTORADIOGRAPHY/ AXONS/ *EFFERENT PATHWAYS, anatomy & histology/ EFFERENT PATHWAYS, cytology/ HIPPOCAMPUS, anatomy & histology/ HIPPOCAMPUS, cytology/ HISTOCYTOCHEMISTRY/ HORSERADISH PEROXIDASE, diagnostic use/ HYPOTHALAMUS, anatomy & histology/ NEURONS/ *PIGEONS, anatomy & histology/ RETICULAR FORMATION, anatomy & histology/ RETICULAR FORMATION, cytology/ *SEPTUM PELLUCIDUM, anatomy & histology/ SEPTUM PELLUCIDUM, cytology/ THALAMUS, anatomy & histology/ THALAMUS, cytology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2039. **Krayniak PF, Siegel A:** Efferent connections of the septal area in the pigeon. Brain Behav Evol 15(5–6):389–404, 1978
ANIMAL/ AUTORADIOGRAPHY/ EFFERENT PATHWAYS/ HIPPOCAMPUS, anatomy & histology/ HISTOCYTOCHEMISTRY/ *HYPOTHALAMUS, anatomy & histology/ *PIGEONS, anatomy & histology/ *RETICULAR FORMATION, anatomy & histology/ SEPTAL NUCLEI, anatomy & histology/ *SEPTUM PELLUCIDUM, anatomy & histology/

TEGMENTUM MESENCEPHALI, anatomy & histology/ *THALAMUS, anatomy & histology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2040. **Krayniak PF, Siegel A:** Efferent connections of the hippocampus and adjacent regions in the pigeon. Brain Behav Evol 15(5–6):372–88, 1978
ANIMAL/ AUTORADIOGRAPHY/ EFFERENT PATHWAYS/ *HIPPOCAMPUS, anatomy & histology/ HYPOTHALAMUS, anatomy & histology/ *PIGEONS, anatomy & histology/ SEPTAL NUCLEI, anatomy & histology/ *SEPTUM PELLUCIDUM, anatomy & histology/ TELENCEPHALON, anatomy & histology/ THALAMUS, anatomy & histology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2041. **Krebietke P:** Tageszyklische Anderungen der thyreoidalen cAMP-Konzentration bei Hähnchen (Gallus domesticus). Endokrinologie 72(2):243–6, May 78 (Eng. Abstr.) **(Ger)**
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ CHICKENS/ CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ MALE/ *THYROID GLAND, metabolism

2042. **Krebs E, Roubicek J:** EEG and clinical profile of a synthetic analogue of methionine-enkephalin - FK 33-824. Pharmakopsychiatr Neuropsychopharmakol 12(1):86–93, Jan 79
ADULT/ BEHAVIOR, drug effects/ CLINICAL RESEARCH/ DEPRESSION, drug therapy/ DOUBLE-BLIND METHOD/ *ELECTROENCEPHALOGRAPHY/ *ENDORPHINS, pharmacodynamics/ ENKEPHALINS, adverse effects/ *ENKEPHALINS, pharmacodynamics/ ENKEPHALINS, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ PLACEBOS/ SCHIZOPHRENIA, drug therapy

2043. **Kreek MJ:** Medical complications in methadone patients. Ann NY Acad Sci 311:110–34, 1978 (115 ref.)
ALCOHOL, ETHYL, adverse effects/ ALCOHOLISM, complications/ ALCOHOLISM, occurrence/ ANALGESICS, administration & dosage/ ANESTHETICS, administration & dosage/ BLOOD PROTEINS, metabolism/ CHRONIC DISEASE/ *DRUG DEPENDENCE, complications/ DRUG DEPENDENCE, metabolism/ DRUG DEPENDENCE, rehabilitation/ DRUG INTERACTIONS/ HORMONES, metabolism/ HUMAN/ IMMUNITY, drug effects/ LIVER DISEASES, complications/ LIVER DISEASES, occurrence/ METHADONE, adverse effects/ METHADONE, metabolism/ *METHADONE, therapeutic use/ PROLACTIN, secretion/ RESPIRATION, drug effects/ REVIEW/ RIFAMPIN, adverse effects/ SERUM ALBUMIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UNITED STATES

2044. **Kreienberg R, Goldhofer W, Melchert F, et al:** Der Einfluss von schwangerschaftsspezifischen Serumfaktoren auf die Mitogen-induzierte Lymphozytenkultur. Geburtshilfe Frauenheilkd 39(2):121–9, Feb 79 (Eng. Abstr.) **(Ger)**
ALPHA FETOPROTEINS, pharmacodynamics/ ALPHA MACROGLOBULINS, pharmacodynamics/ CONCANAVALIN A, pharmacodynamics/ DRUG ANTAGONISM/ ENGLISH ABSTRACT/ FEMALE/ GLYCOPROTEINS, pharmacodynamics/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ HYDROCORTISONE, pharmacodynamics/ *LYMPHOCYTE TRANSFORMATION/ PHYTOHEMAGGLUTININS, pharmacodynamics/ PLACENTAL LACTOGEN, pharmacodynamics/ POKEWEED MITOGENS, pharmacodynamics/ *PREGNANCY/ PROGESTERONE, pharmacodynamics/ TIME FACTORS

2045. **Kretschmar K, Heber J:** Pulmonale hyaline Membranen bei Neugeborenen und Erwachsenen--Morphologie und pathogenetische Vorstellungen (Literaturübersicht). Teil 2: Pathogenese. Z Aerztl Fortbild (Jena) 72(21):1009–13, 1 Nov 78 (89 ref.) **(Ger)**
ACIDOSIS, RESPIRATORY, complications/ ADRENAL GLANDS, physiopathology/ ADULT/ ANIMAL/ BLOOD COAGULATION DISORDERS, complications/ CARBON DIOXIDE/ FETAL ANOXIA, complications/ FIBRINOLYSIS/ HUMAN/ *HYALINE MEMBRANE DISEASE, etiology/ HYALINE MEMBRANE DISEASE, physiopathology/ HYPERCAPNIA/ INFANT, NEWBORN/ MICROCIRCULATION/ OXYGEN/ PULMONARY SURFACTANT, biosynthesis/ *RESPIRATORY DISTRESS SYNDROME, ADULT, etiology/ RESPIRATORY DISTRESS SYNDROME, ADULT, physiopathology/ REVIEW

2046. **Kreusser W, Spiegelberg U, Sis J, et al:** The role of testicular adenylate cyclase in the hypogonadism of renal insufficiency. Proc Eur Dial Transplant Assoc 15:622–4, 1978
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ *ADENYL CYCLASE, physiology/ ANIMAL/ HYPOGONADISM, etiology/ *HYPOGONADISM, physiopathology/ MALE/ RATS/ *TESTIS, analysis/ UREMIA, complications/ *UREMIA, physiopathology

2047. **Kreusser W, Spiegelberg U, Sis J, et al:** Hypergonadotroper Hypogonadismus bei Niereninsuffizienz--eine Folge gestörter testikulärer cAMP-Bildung. Verh Dtsch Ges Inn Med (84):1446–8, 1978 **(Ger)**
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ ANIMAL/ GONADOTROPINS, secretion/ *HYPOGONADISM, etiology/ *KIDNEY FAILURE, CHRONIC, complications/ MALE/ RATS/ TESTIS, metabolism

2048. **Kreuzberg HJ, Rossow N:** Untersuchungen an Mastbullen zur Regulierung des Phosphorbedarfs durch Ad-libitum-Aufnahme. Arch Exp Veterinaermed 32(5):645–51, 1978 (Eng. Abstr.) **(Ger)**
ANIMAL FEED/ ANIMAL NUTRITION/ ANIMAL/ BODY WEIGHT/ CALCIUM, metabolism/ CATTLE/ ENGLISH ABSTRACT/ MALE/ *NUTRITION/ *NUTRITIONAL REQUIREMENTS/ *PHOSPHORUS, metabolism

2049. **Kreye VA:** Organic nitrates, sodium nitroprusside, and vasodilatation. pp. 158–64.
In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977. (24 ref.)
ANIMAL/ AORTA, metabolism/ BLOOD VESSELS, physiology/ CHLORIDES, metabolism/ ELECTROPHYSIOLOGY/ *FERRICYANIDES, pharmacodynamics/ GLYCERYL TRINITRATE, pharmacodynamics/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ IN VITRO/ MEMBRANE POTENTIALS/ MONOGRAPH/ MUSCLE, SMOOTH, metabolism/ MUSCLE, SMOOTH, physiology/ *NITRATES, pharmacodynamics/ *NITROPRUSSIDE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ RABBITS/ RATS/ REVIEW/ SODIUM, metabolism/ *VASODILATION, drug effects

2050. **Krichevskaia IE:** Tsitokhimicheskiĭ i gistoavtoradiograficheskiĭ analiz izmeneniĭ épiteliia podcheliustnoĭ zhelezy beloĭ krysy posle ovariéktomii. Probl Endokrinol (Mosk) 25(1):71–5, Jan–Feb 79 (Eng. Abstr.) **(Rus)**
ANIMAL/ AUTORADIOGRAPHY/ CASTRATION/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HISTOCYTOCHEMISTRY/ METHIONINE, metabolism/ *OVARY, physiology/ *PROTEINS, metabolism/ RATS/ RIBONUCLEOPROTEINS, metabolism/ *RNA, metabolism/ *SEX HORMONES, physiology/ *SUBMANDIBULAR GLAND, metabolism/ TIME FACTORS

2051. **Krichevskaia IE:** Vliianie gidrokortizona na differentsirovku épiteliia embrional'noĭ podcheliustnoĭ zhelezy beloĭ krysy v usloviiakh organnogo kul'tivirovaniia. Arkh Anat Gistol Embriol 75(12):54–8, Dec 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ CYTOPLASMIC GRANULES, ultrastructure/ ENGLISH ABSTRACT/ EPITHELIUM, ultrastructure/ *HYDROCORTISONE, pharmacodynamics/ MICROSCOPY, ELECTRON/ MORPHOGENESIS, drug effects/ ORGAN CULTURE/ RATS/ *SUBMANDIBULAR GLAND, embryology/ SUBMANDIBULAR GLAND, ultrastructure/ TIME FACTORS

2052. **Krieger MS, Conrad LC, Pfaff DW:** An autoradiographic study of the efferent connections of the ventromedial nucleus of

the hypothalamus. J Comp Neurol 183(4):785–815, 15 Feb 79
AMYGDALOID BODY, anatomy & histology/ ANIMAL/ AUTORADIOGRAPHY/ BRAIN MAPPING/ FEMALE/ *HYPOTHALAMUS, anatomy & histology/ *HYPOTHALAMUS, MEDIAL, anatomy & histology/ MALE/ MESENCEPHALON, anatomy & histology/ NEURAL PATHWAYS, anatomy & histology/ NEURONS, EFFERENT/ PONS, anatomy & histology/ PREOPTIC AREA, anatomy & histology/ RATS/ RETICULAR FORMATION, anatomy & histology/ SEPTUM PELLUCIDUM, anatomy & histology/ THALAMUS, anatomy & histology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2053. **Krimsky E:** Photorecording exophthalmometer. Ophthalmology (Rochester) 85(11):1186–9, Nov 78
*EXOPHTHALMOS, diagnosis/ EXOPHTHALMOS, physiopathology/ HUMAN/ *PHOTOGRAPHY, instrumentation

2054. **Krisch B:** Light- and electron microscopic localization of vasopressin or a vasopressin-like substance in the neurons of the rat suprachiasmatic nucleus. Cell Tissue Res 194(2):361–5, 20 Nov 78
FEMALE/ HISTOCYTOCHEMISTRY/ *HYPOTHALAMUS, analysis/ IMMUNOLOGIC TECHNICS/ MALE/ MICROSCOPY, ELECTRON/ RATS/ *SUPRAOPTIC NUCLEUS, analysis/ SUPRAOPTIC NUCLEUS, ultrastructure/ *VASOPRESSINS, analysis

2055. **Krisch B:** Hypothalamic and extrahypothalamic distribution of somatostatin-immunoreactive elements in the rat brain. Cell Tissue Res 195(3):499–513, 29 Dec 78
ANIMAL/ *BRAIN, immunology/ CEREBRAL VENTRICLES, physiology/ FEMALE/ *HYPOTHALAMUS, immunology/ IMMUNOCHEMISTRY/ MALE/ RATS/ *SOMATOTROPIN RELEASE INHIBITING HORMONE, immunology

2056. **Krisch B, Leonhardt H, Buchheim W:** The functional and structural border between the CSF- and blood-milieu in the circumventricular organs (organum vasculosum laminae terminalis, subfornical organ, area postrema) of the rat. Cell Tissue Res 195(3):485–97, 29 Dec 78
ANIMAL/ CEREBRAL VENTRICLES, blood supply/ *CEREBRAL VENTRICLES, physiology/ CEREBRAL VENTRICLES, ultrastructure/ *CEREBROSPINAL FLUID, physiology/ FEMALE/ FREEZE ETCHING/ IMMUNOCHEMISTRY/ LH-FSH RELEASING HORMONE, immunology/ MALE/ *NEUROSECRETORY SYSTEMS, physiology/ RATS/ *SUBFORNICAL ORGAN, physiology/ SUBFORNICAL ORGAN, ultrastructure

2057. **Krishna D, Mohan H:** Ocular cysticercosis in India. j Pediatr Opthalmol Strabismus 15(2):96–102, Mar–Apr 78
ABSCESS, complications/ ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ CONJUNCTIVITIS, complications/ *CYSTICERCOSIS, complications/ CYSTICERCOSIS, diagnosis/ CYSTICERCOSIS, surgery/ EXOPHTHALMOS, complications/ EYE DISEASES, diagnosis/ *EYE DISEASES, parasitology/ EYE DISEASES, surgery/ EYELID DISEASES, diagnosis/ *EYELID DISEASES, parasitology/ EYELID DISEASES, surgery/ FEMALE/ HUMAN/ INFANT/ MALE/ SCLERA, surgery/ VITREOUS BODY, surgery

2058. **Krivosheev OG, Siutkin EA, Antonov AS, et al:** Vzaimosviaz' pineal'noi zhelezy s gipotalamo-gipofizarnoi kompleksom. IV. Vliianie pinealéktomii na liuteiniriuiushchuiu funktsiiu gipofiza krys. Probl Endokrinol (Mosk) 25(1):47–52, Jan–Feb 79 (Eng. Abstr.) **(Rus)**
ENGLISH ABSTRACT/ FEMALE/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ LH, blood/ *LH, metabolism/ LH-FSH RELEASING HORMONE, pharmacodynamics/ *PINEAL BODY, physiology/ RATS

2059. **Krokowski E:** Die veränderte Strategie der Krebsbekämpfung. Med Klin 74(10):361–7, 9 Mar 79 **(Ger)**
ADENOCARCINOMA, pathology/ ADENOCARCINOMA, therapy/ AGED/ BREAST NEOPLASMS, pathology/ BREAST NEOPLASMS, therapy/ CARCINOMA, BRONCHOGENIC, pathology/ CARCINOMA, BRONCHOGENIC, therapy/ DYSGERMINOMA, pathology/ DYSGERMINOMA, therapy/ FEMALE/ HUMAN/ LUNG NEOPLASMS, pathology/ LUNG NEOPLASMS, therapy/ NEOPLASM METASTASIS/ NEOPLASMS, pathology/ *NEOPLASMS, therapy/ SARCOMA, pathology/ SARCOMA, therapy

2060. **Krstalic V, Krstalic N:** Naša zapažanja u lečenju karconoma ovarijuma citostaticima. Med Pregl 31(11–12):521–2, 1978 **(Scc)**
ADULT/ AGED/ *CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ HUMAN/ MIDDLE AGE/ *OVARIAN NEOPLASMS, drug therapy

2061. **Krstulovic AM, Hartwick RA, Brown PR:** Reversed-phase liquid chromatographic separation of 3',5'-cyclic ribonucleotides. Clin Chem 25(2):235–41, Feb 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ ANIMAL/ BRAIN CHEMISTRY/ CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ MALE/ MICROCHEMISTRY/ *NUCLEOTIDES, CYCLIC, isolation & purification/ RATS/ SPECTROPHOTOMETRY, ULTRAVIOLET

2062. **Krueger GR, Bedoya VA:** Hydantoin-induced lymphadenopathies and lymphomas: experimental studies in mice. Recent Results Cancer Res 64:256–70, 1978
ANIMAL/ C-TYPE VIRUSES, ultrastructure/ FEMALE/ *IMMUNOBLASTIC LYMPHADENOPATHY, chemically induced/ *LYMPHOMA, chemically induced/ LYMPHOMA, microbiology/ LYMPHOMA, pathology/ LYMPHOSARCOMA, chemically induced/ MICE/ MICE, INBRED STRAINS/ NEOPLASMS, EXPERIMENTAL, chemically induced/ *PHENYTOIN, toxicity/ THYMUS NEOPLASMS, chemically induced

2063. **Krug H, Martin R, Martin H:** Impulscytophotometrische Untersuchungen der DNS-Säureresistenz unter Einfluss von Alter und Cortisol. Acta Histochem (Jena) 63(1):105–13, 1978 (Eng. Abstr.) **(Ger)**
*AGING/ ANIMAL/ *CHROMATIN, drug effects/ CYTOLOGICAL TECHNICS/ DRUG RESISTANCE/ *DNA, metabolism/ ENGLISH ABSTRACT/ *HYDROCHLORIC ACID, pharmacodynamics/ *HYDROCORTISONE, pharmacodynamics/ HYDROLYSIS/ ORGAN SPECIFICITY/ PHOTOMETRY/ RATS

2064. **Krüsmann WF, Slanina J, Boser F, et al:** Der Einfluss einer Strahlentherapie auf die humorale Immunität bei Patienten mit Lymphogranulomatose oder Seminom. Verh Dtsch Ges Inn Med (84):612–5, 1978 **(Ger)**
*ANTIBODY FORMATION, radiation effects/ *DYSGERMINOMA, radiotherapy/ FEMALE/ *HODGKIN'S DISEASE, radiotherapy/ HUMAN/ MALE

2065. **Kruyver GP:** Substitutie met oestrogenen en endometriumcarcinoom. Ned Tijdschr Geneeskd 123(10):383–7, 10 Mar 79 (Eng. Abstr.) **(Dut)**
AGED/ *ENDOMETRIOSIS, chemically induced/ ENGLISH ABSTRACT/ ESTRADIOL, adverse effects/ ESTROGENIC SUBSTANCES, CONJUGATED, adverse effects/ *ESTROGENS, adverse effects/ ESTROGENS, therapeutic use/ ESTRONE, adverse effects/ FEMALE/ HUMAN/ MENOPAUSE/ MIDDLE AGE/ PREMARIN, adverse effects/ RESEARCH DESIGN/ *UTERINE NEOPLASMS, chemically induced

2066. **Kryl P, Kaeser HE:** Zur Langzeitprognose der Polymyalgia rheumatica. Praxis 68(4):107–9, 23 Jan 79 **(Ger)**
AGED/ ARTERITIS, prevention & control/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *POLYMYALGIA RHEUMATICA, diagnosis/ POLYMYALGIA RHEUMATICA, drug therapy/ PREDNISONE, therapeutic use/ PROGNOSIS/ REMISSION

2067. **Krylova AN:** Ob otsenke rezul'tatov opredeleniia talliia pri sudebno-khimicheskom analize éksgumirovannykh trupov (obzor literatury). Sud Med Ekspert 22(1):40–4, Jan–Feb 79 (24 ref.) **(Rus)**
ADOLESCENCE/ ADULT/ AGED/ AUTOPSY/ BONE AND BONES, analysis/ BURIAL/ *CADAVER/ COMPARATIVE STUDY/ FEMALE/ *FORENSIC MEDICINE/ HUMAN/ MALE/ NORMAL VALUES/ REVIEW/ *THALLIUM,

analysis/ THALLIUM, poisoning/ TIME FACTORS

2068. **Krzanowski JJ, Polson JB, Goldman AL, et al:** Reduced adenosine 3',5'-cyclic monophosphate levels in patients with reversible obstructive airways disease.
Clin Exp Pharmacol Physiol 6(1):111-5, Jan-Feb 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *AIRWAY OBSTRUCTION, metabolism/ AIRWAY OBSTRUCTION, physiopathology/ FORCED EXPIRATORY VOLUME/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HUMAN/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ *LUNG, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2069. **Kubanek B:** Konservative Behandlung der Infekt- und Tumoranämie. Dtsch Med Wochenschr 104(7):238-40, 16 Feb 79 **(Ger)**
ANEMIA, drug therapy/ ANEMIA, etiology/ *ANEMIA, therapy/ BLOOD TRANSFUSION/ CHLORIDES/ COBALT, therapeutic use/ COLLAGEN DISEASES, complications/ ERYTHROPOIETIN, therapeutic use/ HUMAN/ IRON, therapeutic use/ NEOPLASMS, complications/ TESTOSTERONE, therapeutic use

2070. **Kubicka RA, Obrez I, Levin DC:** Simultaneous infusion of vasopressin into two arteries. Control of massive colonic hemorrhage. JAMA 241(7):725-6, 16 Feb 79
ADULT/ CASE REPORT/ COLON, blood supply/ *COLONIC DISEASES, drug therapy/ HEMORRHAGE, GASTROINTESTINAL, drug therapy/ *HEMORRHAGE, GASTROINTESTINAL, therapy/ HUMAN/ *INFUSIONS, INTRA-ARTERIAL, methods/ MALE/ *MESENTERIC ARTERIES/ MESENTERIC ARTERIES, drug effects/ MESENTERIC ARTERIES, radiography/ *VASOPRESSINS, administration & dosage/ VASOPRESSINS, pharmacodynamics/ VASOPRESSINS, therapeutic use

2071. **Kuchel O, Buu NT, Unger T, et al:** Free and conjugated catecholamines in human hypertension. Clin Sci Mol Med 55 Suppl 4:77s-80s, Dec 78
ADRENAL GLAND NEOPLASMS, metabolism/ CATECHOLAMINES, blood/ *CATECHOLAMINES, metabolism/ CATECHOLAMINES, urine/ DOPAMINE, analogs & derivatives/ EPINEPHRINE, analogs & derivatives/ HUMAN/ HYPERALDOSTERONISM, metabolism/ *HYPERTENSION, metabolism/ NOREPINEPHRINE, analogs & derivatives/ PHEOCHROMOCYTOMA, metabolism

2072. **Kucher E:** Indikationen und Resultate einer zusätzlichen differenzierten Pharmakotherapie der Fettsucht.
Z Gesamte Inn Med 33(20):749-53, 15 Oct 78 **(Ger)**
ADOLESCENCE/ ADULT/ AGED/ BIGUANIDES, therapeutic use/ DIABETES MELLITUS, etiology/ DIET, REDUCING/ FEMALE/ FUROSEMIDE, therapeutic use/ HUMAN/ HYDROCHLOROTHIAZIDE, therapeutic use/ HYPERLIPEMIA, etiology/ HYPERTENSION, etiology/ MALE/ MIDDLE AGE/ OBESITY, diet therapy/ *OBESITY, drug therapy/ TRIIODOTHYRONINE, therapeutic use

2073. **Kudo M:** [Effect of inhalation anesthetics on respiratory system and steroid hydroxylations in rat adrenal mitochondria (author's transl)] Masui 28(1):17-26, Jan 79 (Eng. Abstr.) **(Jpn)**
*ADRENAL GLANDS, metabolism/ *ANESTHESIA, INHALATION/ *ANESTHETICS, pharmacodynamics/ ANIMAL/ *DESOXYCORTICOSTERONE, metabolism/ ENGLISH ABSTRACT/ ETHER, ETHYL, pharmacodynamics/ HALOTHANE, pharmacodynamics/ HYDROXYLATION/ MALE/ *MITOCHONDRIA, metabolism/ OXIDATIVE PHOSPHORYLATION/ *OXYGEN CONSUMPTION, drug effects/ RATS/ TISSUE CULTURE

2074. **Kudrjavcev T:** Neurologic complications of thyroid dysfunction. Adv Neurol 19:619-36, 1978
ADULT/ ATAXIA, complications/ COMA, etiology/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, complications/ *HYPOTHYROIDISM, complications/ MALE/ MIDDLE AGE/ MYASTHENIA GRAVIS, complications/ *NERVOUS SYSTEM DISEASES, complications/ NEUROLOGIC MANIFESTATIONS/ NEUROMUSCULAR DISEASES, complications/ PARALYSIS, complications/ PSYCHOSES, ORGANIC, etiology

2075. **Kugler P, Wrobel KH:** Meldola blue: a new electron carrier for the histochemical demonstration of dehydrogenases (SDH, LDH, G-6-PDH). Histochemistry 59(2):97-109, 29 Dec 78
*ADRENAL GLANDS, enzymology/ ANIMAL/ COMPARATIVE STUDY/ *FALLOPIAN TUBES, enzymology/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ GUINEA PIGS/ *HISTOCYTOCHEMISTRY, methods/ HUMAN/ LACTATE DEHYDROGENASE, analysis/ *LIVER, enzymology/ METHYLPHENAZONIUM METHOSULFATE/ *MYOCARDIUM, enzymology/ *OXAZINES/ *OXIDOREDUCTASES, analysis/ SUCCINATE DEHYDROGENASE, analysis

2076. **Kuhar MJ:** Opiate receptors: some anatomical and physiological aspects. Ann NY Acad Sci 311:35-48, 1978 (24 ref.)
ANIMAL/ AUTORADIOGRAPHY/ BRAIN, anatomy & histology/ BRAIN, metabolism/ ELECTROPHYSIOLOGY/ ENKEPHALINS, metabolism/ FLUORESCENT ANTIBODY TECHNIC/ HISTOCYTOCHEMISTRY/ HUMAN/ RECEPTORS, NARCOTIC, analysis/ RECEPTORS, NARCOTIC, metabolism/ *RECEPTORS, NARCOTIC, physiology/ REVIEW

2077. **Kujala GA:** Corticosteroid and neurohypophyseal hormone control of parturition in the guppy, Poecilia reticulata.
Gen Comp Endocrinol 36(2):286-96, Oct 78
*ACCLIMATIZATION/ *ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL/ CARP/ DARKNESS/ EMBRYO, physiology/ FEMALE/ FISHES/ LIGHT/ PERIODICITY/ PITUITARY GLAND, POSTERIOR, physiology/ *PITUITARY HORMONES, pharmacodynamics/ *SEX MATURATION, drug effects/ TISSUE EXTRACTS, pharmacodynamics/ YOLK SAC, drug effects/ YOLK SAC, physiology

2078. **Kukes VG, Buniatian AF, Tsoĭ AN, et al:** Primenenie aerozolia novogo gormonal'nogo preparata 'bekotin' pri lechenii bol'nykh bronkhial'noĭ astmoĭ. Ter Arkh 50(12):62-7, 1978 (Eng. Abstr.) **(Rus)**
ADULT/ AEROSOLS/ AGED/ *ASTHMA, drug therapy/ *BECLOMETHASONE, administration & dosage/ DRUG EVALUATION/ ENGLISH ABSTRACT/ HUMAN/ MIDDLE AGE

2079. **Kukino K, Deguchi T:** Anticonvulsant activity and effects of sodium dipropylacetate on cerebral 5-hydroxytryptamine and gamma-aminobutyric acid in reserpinized mice.
Chem Pharm Bull (Tokyo) 26(11):3551-5, Nov 78
ANIMAL/ *ANTICONVULSANTS, pharmacodynamics/ *BRAIN CHEMISTRY, drug effects/ *GABA, metabolism/ MICE/ *RESERPINE, pharmacodynamics/ *SEROTONIN, metabolism/ *VALPROATE, pharmacodynamics

2080. **Kuku SF, Kjeld M, Gunasekera SW, et al:** Renal handling of homologous radioiodinated thyrotrophin in the rat.
Acta Endocrinol (Copenh) 90(1):69-80, Jan 79
ANIMAL/ AUTORADIOGRAPHY/ CHROMATOGRAPHY, GEL/ IODINE RADIOISOTOPES/ KIDNEY, cytology/ *KIDNEY, metabolism/ MALE/ RATS/ THYROTROPIN, administration & dosage/ *THYROTROPIN, metabolism/ TISSUE DISTRIBUTION

2081. **Kułakowski A, Kołodziejski T, Dziadek T, et al:** Usunięcie zaotrzewnowych węzłów chłonnych drogą brzuszną (lymphangectomia retroperitonealis transabdominalis) w leczeniu złośliwych zarodkowych nowotworów jądra.
Nowotwory 28(4):421-6, Dec 78 (Eng. Abstr.) **(Pol)**
*DYSGERMINOMA, surgery/ ENGLISH ABSTRACT/ HUMAN/ *LYMPH NODE EXCISION, methods/ MALE/ RETROPERITONEAL SPACE/ *TESTICULAR NEOPLASMS, surgery

2082. **Kulikov MA, Grigor'ian GA, Meshcherskiĭ RM:** Zakonomernosti vybora krysoĭ nazhatii raznoĭ dlitel'nosti v protsesse samostimuliatsii. Zh Vyssh Nerv Deiat 28(6):1307-10, Nov-Dec 78 **(Rus)**
ANIMAL/ COMPARATIVE STUDY/ HUNGER, physiology/ *HYPOTHALAMUS, physiology/ MALE/ *MOTIVATION, physiology/ RATS/

SATIATION, physiology/ *SELF STIMULATION, physiology/ THIRST, physiology/ TIME FACTORS

2083. **Kumegawa M, Takuma T, Hosoda S, et al:** Precocious induction of pepsinogen in the stomach of suckling mice by hormones. Biochim Biophys Acta 543(2):243–50, 3 Oct 78
AGE FACTORS/ ANIMAL/ ANIMALS, SUCKLING/ FEMALE/ *GASTRIC MUCOSA, drug effects/ GASTRIC MUCOSA, enzymology/ GASTRIC MUCOSA, growth & development/ *HYDROCORTISONE, pharmacodynamics/ MICE/ MICE, INBRED ICR/ *PEPSINOGEN, biosynthesis/ PREGNANCY/ *THYROXINE, pharmacodynamics

2084. **Kummerow FA:** Nutrition imbalance and angiotoxins as dietary risk factors in coronary heart disease. Am J Clin Nutr 32(1):58–83, Jan 79 (108 ref.)
AGING/ ANIMAL/ AORTA, THORACIC, pathology/ AORTIC DISEASES, etiology/ ARTERIOSCLEROSIS, chemically induced/ *ARTERIOSCLEROSIS, etiology/ ARTERIOSCLEROSIS, occurrence/ CALORIC INTAKE/ CELL SURVIVAL, drug effects/ *CHOLECALCIFEROLS, poisoning/ *CHOLESTEROL, analogs & derivatives/ CHOLESTEROL, poisoning/ CHOLESTEROL, DIETARY/ *CORONARY DISEASE, etiology/ *DIET, standards/ DIETARY FATS, administration & dosage/ DIETARY PROTEINS/ FATS, UNSATURATED/ FEMALE/ HUMAN/ LIPOPROTEINS, LDL, blood/ MYOCARDIUM, metabolism/ OXIDATION-REDUCTION/ PREGNANCY/ REVIEW/ RISK/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2085. **Kun I:** The effects of some dopamine-beta-hydroxylase inhibitors on the control mechanisms of the estrous cycle in rats. Endocrinologie 16(4):263–8, Oct–Dec 78
ANIMAL/ DIESTRUS, drug effects/ *DISULFIRAM, pharmacodynamics/ *DOPAMINE BETA-HYDROXYLASE, antagonists & inhibitors/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTRUS, drug effects/ FEMALE/ *FLA 63, pharmacodynamics/ *IMIDAZOLES, pharmacodynamics/ OVULATION, drug effects/ RATS

2086. **Küppers H, Schnurr E, Grabensee B:** Reninaktivität und Angiotensin II-Konzentration im Nierenveneblut bei Hypertonikern mit Nierenarterienstenose.
Verh Dtsch Ges Inn Med (84):807–10, 1978 **(Ger)**
ADULT/ *ANGIOTENSIN II, analysis/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *RENAL ARTERY OBSTRUCTION, metabolism/ *RENAL ARTERY STENOSIS, metabolism/ RENAL VEINS/ *RENIN, metabolism

2087. **Kurahashi M:** Tissue specificity of inhibitory action of excess thyroid hormone on creatine transport in the rat.
Jpn J Physiol 28(5):603–10, 1978
ANIMAL/ *CREATINE, metabolism/ DEPRESSION, CHEMICAL/ MALE/ MUSCLE DENERVATION/ MUSCLES, metabolism/ ORGAN SPECIFICITY/ OXYGEN CONSUMPTION, drug effects/ RATS/ *TRIIODOTHYRONINE, pharmacodynamics

2088. **Kuribara H, Hayashi T, Alam MR, et al:** Automatic measurement of drinking in rats: effects of hypophysectomy. Pharmacol Biochem Behav 9(5):697–702, Nov 78
ANIMAL/ *DRINKING BEHAVIOR, physiology/ *HYPOPHYSECTOMY/ MALE/ MOTOR ACTIVITY, drug effects/ RATS/ TIME FACTORS

2089. **Kurihara N:** Effect of dimercaptosuccinic acid on toxicity of Habu snake (Trimeresurus flavoviridis, Hallowell) venom. Jpn J Pharmacol 28(4):553–60, Aug 78
ADRENAL CORTEX, pathology/ ANIMAL/ BODY WEIGHT, drug effects/ *DIMERCAPTOSUCCINIC ACID, pharmacodynamics/ LETHAL DOSE 50/ LIVER, pathology/ MALE/ MICE/ ORGAN WEIGHT, drug effects/ RATS/ *SNAKE VENOMS, toxicity/ SUCCINATES, pharmacodynamics/ *SULFHYDRYL COMPOUNDS, pharmacodynamics

2090. **Kurtz DT, Chan KM, Feigelson P:** Translational control of hepatic alpha2u globulin synthesis by growth hormone. Cell 15(3):743–50, Nov 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *ALPHA GLOBULINS, genetics/ ANIMAL/ GLOBULINS, biosynthesis/ HYPOPHYSECTOMY/ INSULIN, pharmacodynamics/ *LIVER, metabolism/ MALE/ POLYRIBOSOMES, metabolism/ RATS/ RNA, MESSENGER, genetics/ SOMATOMEDIN, pharmacodynamics/ *SOMATOTROPIN, pharmacodynamics/ STEROIDS, pharmacodynamics/ THYROXINE, pharmacodynamics/ *TRANSLATION, GENETIC, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2091. **Kurvink K, Bloomfield CD, Keenan KM, et al:** Sister chromatid exchange in lymphocytes from patients with malignant lymphoma. Hum Genet 44(2):137–44, 31 Oct 78
ADOLESCENCE/ ADULT/ AGED/ BLEOMYCIN, therapeutic use/ *CHROMOSOMES, HUMAN/ *CROSSING OVER (GENETICS)/ CROSSING OVER (GENETICS), drug effects/ CYCLOPHOSPHAMIDE, therapeutic use/ DOXORUBICIN, therapeutic use/ FEMALE/ *HODGKIN'S DISEASE, familial & genetic/ HUMAN/ *LYMPHOCYTES, ultrastructure/ *LYMPHOMA, familial & genetic/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VINCRISTINE, therapeutic use

2092. **Kusumoto S, Neki M, Noi K, et al:** [A case of reticulum cell sarcoma of the thyroid (author's transl)] Rinsho Hoshasen 24(1):141–4, Jan 79 (Eng. Abstr.) **(Jpn)**
CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/ *SARCOMA, RETICULUM CELL, diagnosis/ SARCOMA, RETICULUM CELL, pathology/ *THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, pathology

2093. **Kuten A, Cohen Y, Tatcher M, et al:** Pregnancy and delivery after successful treatment of epidural metastatic choriocarcinoma. Gynecol Oncol 6(5):464–6, Oct 78
ADULT/ CASE REPORT/ *CHORIOCARCINOMA, complications/ CHORIOCARCINOMA, therapy/ EPIDURAL SPACE/ FEMALE/ HUMAN/ METHOTREXATE, therapeutic use/ NEOPLASM METASTASIS, therapy/ *PREGNANCY COMPLICATIONS, therapy/ PREGNANCY/ *SPINAL NEOPLASMS, complications/ SPINAL NEOPLASMS, therapy/ TIME FACTORS/ *UTERINE NEOPLASMS, complications/ UTERINE NEOPLASMS, therapy

2094. **Kuz'minn ZV, Shapoukhova KS, Murav'eva NI, et al:** Nekotorye osobennosti v sootnoshenii gormonov ovarial'nogo tsikla u bol'nykh mastopatiei i rakom molochnoi zhelezy.
Vestn Akad Med Nauk SSSR (2):60–4, 1979 (Eng. Abstr.) **(Rus)**
ADULT/ *BREAST DISEASES, urine/ *BREAST NEOPLASMS, urine/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ ESTROGENS, urine/ FEMALE/ *GONADOTROPINS, PITUITARY, urine/ HUMAN/ *MENSTRUATION/ MIDDLE AGE/ *SEX HORMONES, urine/ TIME FACTORS

2095. **Kyriakides GK, Nuttall FQ, Miller J:** Segmental pancreatic transplantation in pigs. Surgery 85(2):154–8, Feb 79
ANIMAL/ CYCLOPHOSPHAMIDE, administration & dosage/ GLUCAGON, administration & dosage/ HISTORY OF MEDICINE, 18TH CENT./ HYPERGLYCEMIA, prevention & control/ LIGATION/ METHYLPREDNISOLONE, administration & dosage/ PANCREAS, pathology/ *PANCREAS, transplantation/ PANCREATECTOMY/ PANCREATIC DUCTS, surgery/ PERITONEUM/ SWINE/ TIME FACTORS/ TRANSPLANTATION, ALLOGENEIC

L

2096. **Laatikainen T, Nieminen U, Adlercreutz H:** Plasma medroxyprogesterone acetate levels following intramuscular or oral administration in patients with endometrial adenocarcinoma. Acta Obstet Gynecol Scand 58(1):95–9, 1979
*ADENOCARCINOMA, drug therapy/ ADMINISTRATION, ORAL/ AGED/ FEMALE/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ MEDROXYPROGESTERONE, administration & dosage/ *MEDROXYPROGESTERONE, blood/ MEDROXYPROGESTERONE, therapeutic use/ MIDDLE AGE/ *UTERINE NEOPLASMS, drug therapy

2097. **LaBella FS, Havlicek V, Pinsky C:** Opiate-like excitatory effects of steroid sulfates and calcium-complexing agents given cerebroventricularly. Brain Res 160(2):295-305, 12 Jan 79
AGGRESSION, drug effects/ ANIMAL/ *BEHAVIOR, ANIMAL, drug effects/ BRAIN, drug effects/ *CALCIUM, metabolism/ *CHELATING AGENTS, pharmacodynamics/ CONVULSIONS, chemically induced/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROENCEPHALOGRAPHY/ EVOKED POTENTIALS, drug effects/ INJECTIONS, INTRAVENTRICULAR/ MALE/ MORPHINE, pharmacodynamics/ NALOXONE, pharmacodynamics/ RATS/ *RECEPTORS, NARCOTIC, drug effects/ *STEROIDS, pharmacodynamics/ *SULFATES, pharmacodynamics

2098. **Labrie F, Drouin J, Ferland L, et al:** Mechanism of action of hypothalamic hormones in the anterior pituitary gland and specific modulation of their activity by sex steroids and thyroid hormones. Recent Prog Horm Res 34:25-93, 1978 (175 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANDROGENS, SYNTHETIC, pharmacodynamics/ ANIMAL/ ESTROGENS, SYNTHETIC, pharmacodynamics/ FEMALE/ HUMAN/ *HYPOTHALAMIC HORMONES, physiology/ LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ PITUITARY GLAND, ANTERIOR, drug effects/ *PITUITARY GLAND, ANTERIOR, physiology/ PROGESTERONE, pharmacodynamics/ PROSTAGLANDINS, SYNTHETIC, pharmacodynamics/ RATS/ REVIEW/ *SEX HORMONES, physiology/ SOMATOTROPIN RELEASE INHIBITING HORMONE, pharmacodynamics/ *THYROID HORMONES, physiology/ THYROTROPIN RELEASING HORMONE, pharmacodynamics

2099. **Lackey RW:** Long-term survival of thyroid carcinoma with metastatic disease treated with radioiodine.
Int J Nucl Med Biol 5(6):255-9, 1978
*ADENOCARCINOMA, radiotherapy/ ADULT/ *CARCINOMA, PAPILLARY, radiotherapy/ CASE REPORT/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *IODINE RADIOISOTOPES, therapeutic use/ LUNG NEOPLASMS, radiography/ LUNG NEOPLASMS, radiotherapy/ NEOPLASM METASTASIS/ PREGNANCY/ *THYROID NEOPLASMS, radiotherapy/ THYROIDECTOMY/ TIME FACTORS

2100. **Lackie JM:** The aggregation of rabbit polymorphonuclear leukocytes (PMN's): effects of agents which affect the acute inflammatory response and correlation with secretory activity. Inflammation 2(1):1-15, Mar 77
ADENINE NUCLEOTIDES, pharmacodynamics/ ANIMAL/ ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ CELL AGGREGATION, drug effects/ FEMALE/ HISTAMINE, pharmacodynamics/ IN VITRO/ *INFLAMMATION, physiopathology/ *NEUTROPHILS, drug effects/ NEUTROPHILS, secretion/ PARASYMPATHOMIMETICS, pharmacodynamics/ PHAGOCYTOSIS, drug effects/ RABBITS/ SEROTONIN, pharmacodynamics/ SYMPATHOMIMETICS, pharmacodynamics

2101. **Laczi F, Nagy E, László FA:** The ADH-reserve capacity in Brattleboro rats. Acta Med Acad Sci Hung 35(2):173-9, 1978
ANIMAL/ *DIABETES INSIPIDUS, metabolism/ DIABETES INSIPIDUS, urine/ DRINKING/ HETEROZYGOTE/ HOMOZYGOTE/ HYPOTHALAMUS, metabolism/ MALE/ PITUITARY GLAND, POSTERIOR, metabolism/ RATS/ SALINE SOLUTION, HYPERTONIC/ *VASOPRESSINS, metabolism/ VASOPRESSINS, urine/ *WATER, metabolism

2102. **Lad PJ, Brown JW, Shier WT:** Activation of guanylate cyclase and inhibition of adenylate cyclase by cytotoxic preparations from marine sponges of Haliclona genus.
Biochem Biophys Res Commun 85(4):1472-9, 29 Dec 78
*ADENYL CYCLASE, antagonists & inhibitors/ ANIMAL/ CELL LINE/ ENZYME ACTIVATION/ *GUANYL CYCLASE, metabolism/ HEMOLYSIS/ LIPIDS, pharmacodynamics/ MALE/ MICROSOMES, enzymology/ MYOCARDIUM, enzymology/ *PORIFERA, physiology/ RATS/ SPECIES SPECIFICITY/ *TISSUE EXTRACTS, pharmacodynamics/ TISSUE EXTRACTS, toxicity/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2103. **Ladizesky M, Fainstein Day P, Mautalén CA:** Efectos metabólicos del Solanum malacoxylon en ratas tiroparatiroidectomizadas. Medicina (B Aires) 38(4):341-6, Jul-Aug 78 (Eng. Abstr.) **(Spa)**
ANIMAL/ *CALCIUM, metabolism/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ *PARATHYROID GLANDS, physiology/ *PHOSPHORUS, metabolism/ RATS/ *SOLANACEOUS ALKALOIDS, pharmacodynamics/ *THYROID GLAND, physiology

2104. **Lafaye A, Frigot P:** Influence du véhicule sur la vitesse d'action de la progestérone au niveau de la motilité utérine chez la ratte gestante récemment biovariectomisée.
Ann Pharm Fr 36(7-8):391-6, 1978 (Eng. Abstr.) **(Fre)**
ALCOHOLS, pharmacodynamics/ ANIMAL/ CASTRATION/ ENGLISH ABSTRACT/ FEMALE/ PREGNANCY/ *PROGESTERONE, pharmacodynamics/ RATS/ SESAME OIL, pharmacodynamics/ *UTERINE CONTRACTION, drug effects/ *VEHICLES, pharmacodynamics

2105. **Lafaye C, Aubert B:** Action de la progestérone locale dans les mastopathies bénignes. Etude de 500 observations.
J Gynecol Obstet Biol Reprod (Paris) 7(6):1123-39, Sep 78 (Eng. Abstr.) **(Fre)**
ADMINISTRATION, TOPICAL/ BREAST DISEASES, diagnosis/ BREAST DISEASES, drug therapy/ *BREAST DISEASES, metabolism/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ PAIN/ PROGESTERONE, administration & dosage/ *PROGESTERONE, secretion/ THERMOGRAPHY

2106. **Laffargue P, Benkoël L, Laffargue F, et al:** Ultrastructural and enzyme histochemical study of ovarian hilar cells in women and their relationships with sympathetic nerves.
Hum Pathol 9(6):649-59, Nov 78
ADULT/ *AXONS, ultrastructure/ CELL MEMBRANE, ultrastructure/ CELLULAR INCLUSIONS, ultrastructure/ FEMALE/ HUMAN/ MIDDLE AGE/ ORGANOIDS, ultrastructure/ OVARY, enzymology/ *OVARY, ultrastructure/ OXIDOREDUCTASES, metabolism/ *SYMPATHETIC NERVOUS SYSTEM, ultrastructure/ SYNAPSES, ultrastructure/ 3-HYDROXYSTEROID DEHYDROGENASES, metabolism

2107. **Lal S, Nair NP, Cervantes P, et al:** Effect of naloxone or levallorphan on serum prolactin concentrations and apomorphine-induced growth hormone secretion.
Acta Psychiatr Scand 59(2):173-9, Feb 79
*APOMORPHINE, antagonists & inhibitors/ APOMORPHINE, pharmacodynamics/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ *LEVALLORPHAN, pharmacodynamics/ MALE/ *NALOXONE, pharmacodynamics/ *PROLACTIN, blood/ RECEPTORS, DOPAMINE, drug effects/ SCHIZOPHRENIA, drug therapy/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion

2108. **Lallemant Y, Gehanno P, Guédon C:** Les traitements préventifs des sténoses caustiques de l'oesophage.
Ann Otolaryngol Chir Cervicofac 95(6):367-72, Jun 78 (Eng. Abstr.) **(Fre)**
ADRENAL CORTEX HORMONES, pharmacodynamics/ ADRENAL CORTEX HORMONES, therapeutic use/ AMINOPROPIONITRILE, pharmacodynamics/ AMINOPROPIONITRILE, therapeutic use/ ANIMAL/ *BURNS, CHEMICAL, drug therapy/ COLLAGEN, biosynthesis/ CONNECTIVE TISSUE, drug effects/ CONNECTIVE TISSUE, metabolism/ DOGS/ ENGLISH ABSTRACT/ ESOPHAGEAL STENOSIS, chemically induced/ ESOPHAGEAL STENOSIS, drug therapy/ *ESOPHAGEAL STENOSIS, prevention & control/ ESOPHAGUS, drug effects/ ESOPHAGUS, metabolism/ HUMAN

2109. **Lallemant Y, Gehanno P, Flieder J, et al:** Attitudes devant une oesophagite corrosive. Ann Otolaryngol Chir Cervicofac 95(6):345-60, Jun 78 (Eng. Abstr.) **(Fre)**
ADRENAL CORTEX HORMONES, therapeutic use/ ANTIBIOTICS, therapeutic use/ *BURNS, complications/ BURNS, CHEMICAL, complications/ BURNS, CHEMICAL, pathology/ CHILD/

DILATATION/ EMERGENCIES/ ENGLISH ABSTRACT/ ESOPHAGEAL STENOSIS, prevention & control/ ESOPHAGITIS, etiology/ ESOPHAGITIS, pathology/ *ESOPHAGITIS, therapy/ ESOPHAGUS, pathology/ ESOPHAGUS, surgery/ FEMALE/ HUMAN/ MALE/ STOMACH, surgery/ TIME FACTORS

2110. **Lalor JH, Kimbrough TD, Llewellyn GC:** Induction of duodenal serotonin production by dietary sodium selenite and aflatoxin B1. Food Cosmet Toxicol 16(6):611–3, Dec 78
*AFLATOXINS, pharmacodynamics/ ANIMAL/ DUODENUM, metabolism/ GERBILS/ MALE/ *SELENIUM, pharmacodynamics/ *SEROTONIN, metabolism

2111. **Lamano Carvalho TL, Lopes RA, Azoubel R, et al:** Morphometric study of testicle alterations in rats submitted to hypervitaminosis A. Int J Vitam Nutr Res 48(4):307–15, 1978
ADRENAL GLANDS, drug effects/ ANIMAL/ FEMALE/ LEYDIG CELLS, drug effects/ LEYDIG CELLS, pathology/ LH, metabolism/ ORGAN WEIGHT/ PITUITARY GLAND, metabolism/ RATS/ SPERMATOGENESIS, drug effects/ SPERMATOZOA, pathology/ *TESTICULAR DISEASES, chemically induced/ TESTICULAR DISEASES, pathology/ *TESTIS, drug effects/ TESTIS, pathology/ VITAMIN A, administration & dosage/ *VITAMIN A, toxicity

2112. **Lamano Carvalho TL, Lopes RA, Azoubel R, et al:** Morphometric study of the reversibility of testicle alterations in rats submitted to hypervitaminosis A.
Int J Vitam Nutr Res 48(4):316–24, 1978
ADRENAL GLANDS, drug effects/ ANIMAL/ LEYDIG CELLS, drug effects/ LEYDIG CELLS, pathology/ LH, metabolism/ MALE/ ORGAN WEIGHT/ PITUITARY GLAND, metabolism/ RATS/ SPERMATOGENESIS, drug effects/ SPERMATOZOA, pathology/ *TESTICULAR DISEASES, chemically induced/ TESTICULAR DISEASES, pathology/ *TESTIS, drug effects/ TESTIS, pathology/ VITAMIN A, adverse effects/ *VITAMIN A, toxicity

2113. **Lamberts SW, Klijn JG, Kwa GH, et al:** The dynamics of growth hormone and prolactin secretion in acromegalic patients with 'mixed' pituitary tumours.
Acta Endocrinol (Copenh) 90(2):198–210, Feb 79
*ACROMEGALY, physiopathology/ ADENOMA, physiopathology/ *ADENOMA, secretion/ ADULT/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ MALE/ MIDDLE AGE/ PITUITARY NEOPLASMS, physiopathology/ *PITUITARY NEOPLASMS, secretion/ PROLACTIN, blood/ *PROLACTIN, secretion/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion/ THYROTROPIN RELEASING HORMONE, diagnostic use/ 2-BROMOERGOCRYPTINE, diagnostic use

2114. **Lamborghini JE, Revenaugh M, Spitzer NC:** Ultrastructural development of Rohon-Beard neurons: loss of intramitochondrial granules parallels loss of calcium action potentials. J Comp Neurol 183(4):741–52, 15 Feb 79
ACTION POTENTIALS/ ANIMAL/ *CALCIUM, metabolism/ MITOCHONDRIA, ultrastructure/ NEURONS, metabolism/ NEURONS, physiology/ NEURONS, ultrastructure/ *SPINAL CORD, cytology/ SPINAL CORD, growth & development/ UNITED STATES GOV'T SUPPORTED, P.H.S./ XENOPUS

2115. **Lamers CB:** Familial multiple endocrine neoplasia type I (Wermer's syndrome). Neth J Med 21(6):270–4, 1978
AUTOSOME ABNORMALITIES, familial & genetic/ FEMALE/ HUMAN/ MALE/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, familial & genetic

2116. **Lamm ME, Weisz-Carrington P, Roux ME, et al:** Development of the IgA system in the mammary gland.
Adv Exp Med Biol 107:35–42, 1978
ANIMAL/ CELL MOVEMENT, drug effects/ ESTROGENS, pharmacodynamics/ FEMALE/ *IGA, metabolism/ *IGA, SECRETORY, metabolism/ *LACTATION/ LYMPH NODES, immunology/ *MAMMAE, immunology/ MESENTERY, immunology/ MICE/ PLASMA CELLS, immunology/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ PROLACTIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2117. **Lammintausta R, Kanto J, Mäntylä R:** Renin-aldosterone system and urinary electrolytes after amiloride, hydrochlorothiazide and the combination.
Int J Clin Pharmacol Biopharm 16(11):503–7, Nov 78
ADOLESCENCE/ ADULT/ *ALDOSTERONE, metabolism/ ALDOSTERONE, urine/ *AMILORIDE, pharmacodynamics/ DRUG COMBINATIONS/ *ELECTROLYTES, urine/ FEMALE/ HUMAN/ HYDROCHLOROTHIAZIDE, blood/ *HYDROCHLOROTHIAZIDE, pharmacodynamics/ MALE/ *PYRAZINES, pharmacodynamics/ RENIN, blood/ *RENIN, metabolism/ TIME FACTORS

2118. **Lammintausta R:** The renin-aldosterone system in dihydralazine therapy during hypertensive pregnancy.
Int J Clin Pharmacol Biopharm 16(12):581–4, Dec 78
ADULT/ *ALDOSTERONE, urine/ BLOOD PRESSURE, drug effects/ CLINICAL RESEARCH/ *DIHYDRALAZINE, pharmacodynamics/ DIHYDRALAZINE, therapeutic use/ ELECTROLYTES, urine/ FEMALE/ HEART RATE, drug effects/ HUMAN/ *HYDRALAZINE, analogs & derivatives/ *HYPERTENSION, drug therapy/ HYPERTENSION, metabolism/ *PREGNANCY COMPLICATIONS, CARDIOVASCULAR, drug therapy/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, metabolism/ PREGNANCY/ *RENIN, blood/ TIME FACTORS

2119. **Lampert K, Miehlnickel N, Klemencic J, et al:** Ergebnisse plattenthermographischer Untersuchungen von Schilddrüsenknoten. ROEFO 130(1):101–4, Jan 79 (Eng. Abstr.) **(Ger)**
ADENOMA, diagnosis/ ADENOMA, radionuclide imaging/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ *THERMOGRAPHY/ *THYROID DISEASES, diagnosis/ THYROID DISEASES, radionuclide imaging/ THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, radionuclide imaging

2120. **Lamy F, Dumont J:** La glande thyroïde et sa régulation.
C R Soc Biol (Paris) 172(3):413–21, 1978 **(Fre)**
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ CALCIUM, metabolism/ DOGS/ HISTONES, metabolism/ PHOSPHATES, metabolism/ PROSTAGLANDINS E, pharmacodynamics/ RNA, biosynthesis/ THYROID GLAND, drug effects/ *THYROID GLAND, physiology/ THYROTROPIN, pharmacodynamics/ THYROTROPIN, physiology

2121. **Lanaro AE:** Experiencias en el tratamiento del hipertiroidismo con 131I. Bol Asoc Med PR 70(11):382–5, Nov 78 **(Spa)**
CLINICAL RESEARCH/ DRUG EVALUATION/ HUMAN/ *HYPERTHYROIDISM, radiotherapy/ *IODINE RADIOISOTOPES, therapeutic use/ RADIOTHERAPY DOSAGE

2122. **Lancaster C, Robert A:** Intestinal lesions produced by prednisolone: prevention (cytoprotection) by 16,16-dimethyl prostaglandin E2. Am J Physiol 235(6):E703–8, Dec 78
ANIMAL/ BACITRACIN, therapeutic use/ COMPARATIVE STUDY/ DUODENAL ULCER, chemically induced/ *DUODENAL ULCER, prevention & control/ FEMALE/ NEOMYCIN, therapeutic use/ POLYMYXIN B, therapeutic use/ *PREDNISOLONE, adverse effects/ *PROSTAGLANDINS E, therapeutic use/ RATS/ STOMACH ULCER, chemically induced/ STOMACH ULCER, prevention & control/ TIME FACTORS

2123. **Landgraf R, Hess J, Ermisch A:** The influence of vasopressin on the regional uptake of [3H] orotic acid by rat brain.
Acta Biol Med Ger 37(4):655–8, 1978
ANIMAL/ BLOOD-BRAIN BARRIER/ BRAIN, drug effects/ *BRAIN, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *LYPRESSIN, pharmacodynamics/ MALE/ *OROTIC ACID, metabolism/ PITUITARY GLAND, ANTERIOR, drug effects/ PITUITARY GLAND, ANTERIOR, metabolism/ RATS/ TISSUE DISTRIBUTION

2124. **Landing BH:** Information systems of the body: current concepts and speculations, with emphasis on genetic metabolic diseases. Perspect Pediatr Pathol 4:1–39, 1978

APUD CELLS/ BLOOD SUGAR, metabolism/ CYTOPLASM/ ENDOCRINE GLANDS, physiopathology/ GENES, DOMINANT/ GENES, RECESSIVE/ GENETICS, BIOCHEMICAL/ GENOTYPE/ GLYCOGENOSIS, physiopathology/ *HEREDITARY DISEASES/ HEREDITARY DISEASES, familial & genetic/ HEREDITARY DISEASES, physiopathology/ HUMAN/ LINKAGE (GENETICS)/ LYSOSOMES, metabolism/ MEMBRANES, physiopathology/ *METABOLISM, INBORN ERRORS/ METABOLISM, INBORN ERRORS, familial & genetic/ METABOLISM, INBORN ERRORS, physiopathology/ NEOPLASMS, familial & genetic

2125. **Lane E:** Diagnóstico radiológico da dor pélvica crônica na mulher. Rev Paul Med 92(3–4):60–3, Sep–Oct 78 (Eng. Abstr.) **(Por)**
ADULT/ AGED/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYSTEROSALPINGOGRAPHY/ MIDDLE AGE/ OVARY, blood supply/ *PAIN, diagnosis/ *PELVIS, radiography/ PHLEBOGRAPHY/ UTERUS, blood supply

2126. **Langer A:** Prosthodontic failures in patients with systemic disorders. J Oral Rehabil 6(1):13–9, Jan 79
AGED/ BURNING MOUTH SYNDROME, etiology/ CASE REPORT/ DENTURE BASES/ *DENTURE, COMPLETE/ *DENTURE, PARTIAL/ DIABETES MELLITUS, complications/ *DISEASE/ FACIAL MUSCLES, physiopathology/ FEMALE/ HUMAN/ MALE/ MASTICATION/ MENOPAUSE/ MIDDLE AGE/ MOUTH DISEASES, etiology/ MYASTHENIA GRAVIS, complications/ MYASTHENIA GRAVIS, physiopathology/ OSTEOPOROSIS, complications/ PARALYSIS, BULBAR, complications/ PARKINSON DISEASE, complications/ PARKINSON DISEASE, physiopathology/ SJOGREN'S SYNDROME, complications

2127. **Languillon J:** La lèpre. Acta Leprol (Geneve) (71–72):1–168, Apr–Sep 78 **(Fre)**
BONE AND BONES, pathology/ CLOFAZIMINE, therapeutic use/ HUMAN/ LARYNX, pathology/ LEPROMIN/ *LEPROSY/ LEPROSY, classification/ LEPROSY, complications/ LEPROSY, diagnosis/ LEPROSY, drug therapy/ LEPROSY, immunology/ LEPROSY, microbiology/ LEPROSY, pathology/ MUCOUS MEMBRANE, pathology/ MYCOBACTERIUM LEPRAE/ NASAL MUCOSA, pathology/ NEURITIS, etiology/ PERIPHERAL NERVES, pathology/ PHARYNX, pathology/ PROGNOSIS/ RIFAMPIN, therapeutic use/ SKIN, pathology/ SULFONES, therapeutic use

2128. **Lanz E, Schlereth H:** Die Wirkung von Lokalanaesthetika auf Durchblutung und O2-Verbrauch des Uterus von nichtschwangeren Schafen. Anaesthesist 28(1):18–24, Jan 79 (Eng. Abstr.) **(Ger)**
*ANESTHETICS, LOCAL, pharmacodynamics/ ANIMAL/ BUPIVACAINE, pharmacodynamics/ ENGLISH ABSTRACT/ ESTRONE, pharmacodynamics/ ETIDOCAINE, pharmacodynamics/ FEMALE/ LIDOCAINE, pharmacodynamics/ OXYGEN CONSUMPTION, drug effects/ PREGNANCY/ PROCAINE, analogs & derivatives/ PROCAINE, pharmacodynamics/ SHEEP/ UTERUS, blood supply/ *UTERUS, drug effects/ UTERUS, metabolism/ VASOCONSTRICTION, drug effects

2129. **Lappöhn RE:** Oestrogenen en 'de overgang'; een opeenhoping van hypothesen. Ned Tijdschr Geneeskd 123(10):396–8, 10 Mar 79 **(Dut)**
AGED/ ATTITUDE/ *CLIMACTERIC, drug effects/ ENDOMETRIOSIS, chemically induced/ ESTROGENS, adverse effects/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ MIDDLE AGE/ UTERINE NEOPLASMS, chemically induced

2130. **Laragh JH:** Essential hypertension: new concepts in diagnosis and treatment. Compr Ther 4(12):10–7, Dec 78
ANGIOTENSIN II, antagonists & inhibitors/ EXTRACELLULAR SPACE/ HUMAN/ *HYPERTENSION/ HYPERTENSION, diagnosis/ HYPERTENSION, therapy/ MIDDLE AGE/ PROPRANOLOL, pharmacodynamics/ PROPRANOLOL, therapeutic use/ RENIN, antagonists & inhibitors/ RENIN, blood/ RENIN, secretion/ SARALASIN, pharmacodynamics/ SARALASIN, therapeutic use/ SODIUM, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASOCONSTRICTION

2131. **Larkins RG, Martin FI, Heding LG, et al:** Hormonal profile, blood sugar control and HLA patterns in long-term insulin dependent diabetes with and without vascular disease. Aust NZ J Med 8(5):465–71, Oct 78
ADULT/ AGE FACTORS/ *BLOOD SUGAR, metabolism/ DIABETES MELLITUS, drug therapy/ DIABETES MELLITUS, familial & genetic/ *DIABETES MELLITUS, metabolism/ DIABETIC ANGIOPATHIES, familial & genetic/ *DIABETIC ANGIOPATHIES, metabolism/ FEMALE/ HUMAN/ *HL-A ANTIGENS/ *INSULIN, therapeutic use/ ISLANDS OF LANGERHANS, physiopathology/ MALE/ MIDDLE AGE/ *SOMATOTROPIN, blood

2132. **Larsen AB, Miller JM:** Effect of dexamethasone on Mycobacterium paratuberculosis infection in hamsters. Am J Vet Res 39(11):1866–7, Nov 78
ANIMAL/ *DEXAMETHASONE, pharmacodynamics/ *HAMSTERS/ LYMPH NODES, microbiology/ MYCOBACTERIUM, isolation & purification/ *PARATUBERCULOSIS, etiology/ PARATUBERCULOSIS, microbiology/ *RODENT DISEASES, etiology/ RODENT DISEASES, microbiology

2133. **Larsen KD, McBride RL:** The organization of feline entopenduncular nucleus projections: anatomical studies. J Comp Neurol 184(2):293–308, 15 Mar 79
ANIMAL/ AUTORADIOGRAPHY/ BRAIN MAPPING, methods/ CATS/ COMPARATIVE STUDY/ FEMALE/ *GANGLIA, BASAL, anatomy & histology/ HORSERADISH PEROXIDASE/ HYPOTHALAMUS, anatomy & histology/ LIMBIC SYSTEM, anatomy & histology/ MALE/ MONKEYS/ NEURAL PATHWAYS, anatomy & histology/ OLFACTORY PATHWAYS, anatomy & histology/ PONS, anatomy & histology/ *THALAMIC NUCLEI, anatomy & histology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2134. **Larsson C, Weber PC:** Renal prostaglandins and renin release. Acta Biol Med Ger 37(5–6):857–62, 1976
ANIMAL/ ARACHIDONIC ACIDS, physiology/ FUROSEMIDE, pharmacodynamics/ KIDNEY CORTEX, drug effects/ KIDNEY CORTEX, enzymology/ KIDNEY MEDULLA, metabolism/ KIDNEY, drug effects/ *KIDNEY, physiology/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, physiology/ RENIN, secretion/ SODIUM, pharmacodynamics

2135. **Larsson LI:** Gastrin and ACTH-like immunoreactivity occurs in two ultrastructurally distinct cell types of rat antropyloric mucosa. Evidence for a non-parallel processing of the peptides during feeding and fasting. Histochemistry 58(1–2):33–48, 24 Nov 78
ANIMAL/ *CORTICOTROPIN, immunology/ CYTOPLASMIC GRANULES, ultrastructure/ EATING/ FASTING/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ *GASTRIC MUCOSA, ultrastructure/ *GASTRINS, immunology/ MALE/ *PEPTIDES, metabolism/ RATS

2136. **Larsson S, Cronberg S, Winblad S:** Clinical aspects on 64 cases of juvenile and adult listeriosis in Sweden. Acta Med Scand 204(6):503–8, 1978
ABSCESS, microbiology/ ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ AMPICILLIN, therapeutic use/ ANTINEOPLASTIC AGENTS, adverse effects/ ANTINEOPLASTIC AGENTS, therapeutic use/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ IMMUNOSUPPRESSION/ LISTERIA INFECTIONS, drug therapy/ LISTERIA INFECTIONS, mortality/ *LISTERIA INFECTIONS, occurrence/ LISTERIA MONOCYTOGENES/ MALE/ MENINGITIS, LISTERIA, drug therapy/ MENINGITIS, LISTERIA, mortality/ MENINGITIS, LISTERIA, occurrence/ MIDDLE AGE/ OXACILLIN, therapeutic use/ PENICILLIN G, therapeutic use/ PLEURISY, microbiology/ SEPTICEMIA, microbiology/ SEROTYPING/ SULFONAMIDES, therapeutic use/ SWEDEN/

TETRACYCLINE, therapeutic use

2137. **Larsson SE, Lorentzon R, Boquist L:** Telangiectatic osteosarcoma. Acta Orthop Scand 49(6):589–94, Dec 78
ADOLESCENCE/ BIOPSY, NEEDLE/ BONE AND BONES, pathology/ *BONE NEOPLASMS, diagnosis/ BONE NEOPLASMS, pathology/ BONE NEOPLASMS, radiography/ CASE REPORT/ HUMAN/ MALE/ MICROSCOPY/ *SARCOMA, OSTEOGENIC, diagnosis/ SARCOMA, OSTEOGENIC, pathology/ SARCOMA, OSTEOGENIC, radiography

2138. **Larsson SE, Lorentzon R, Wedrén H, et al:** Osteosarcoma. A multifactorial clinical and histopathological study with special regard to therapy and survival.
Acta Orthop Scand 49(6):571–81, Dec 78
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ BONE AND BONES, pathology/ BONE NEOPLASMS, mortality/ BONE NEOPLASMS, pathology/ *BONE NEOPLASMS, surgery/ CHILD/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PROGNOSIS/ SARCOMA, OSTEOGENIC, mortality/ SARCOMA, OSTEOGENIC, pathology/ *SARCOMA, OSTEOGENIC, surgery/ SEX FACTORS/ SWEDEN

2139. **Lasch HG:** Pathophysiologie der Lungenembolie.
Verh Dtsch Ges Inn Med (84):287–98, 1978 (46 ref.) **(Ger)**
ADENOSINE DIPHOSPHATE, metabolism/ ANOXEMIA, etiology/ BLOOD PLATELETS, physiopathology/ CORONARY VESSELS/ DYSPNEA, physiopathology/ FIBRIN, physiology/ HISTAMINE, metabolism/ HUMAN/ HYPERTENSION, etiology/ PLATELET FACTOR 4, physiology/ PROSTAGLANDINS, metabolism/ *PULMONARY EMBOLISM, physiopathology/ REVIEW/ SEROTONIN, metabolism

2140. **Lauber M, Camier M, Cohen P:** Immunological and biochemical characterization of distinct high molecular weight forms of neurophysin and somatostatin in mouse hypothalamus extracts. FEBS Lett 97(2):343–7, 15 Jan 79
ANIMAL/ CHROMATOGRAPHY, AFFINITY/ *HYPOTHALAMUS, analysis/ METHYLMANNOSIDES/ MICE/ MOLECULAR WEIGHT/ *NEUROPHYSINS, analysis/ RADIOIMMUNOASSAY/ *SOMATOTROPIN RELEASE INHIBITING HORMONE, analysis

2141. **Launay JM, Mester L:** Sugar derivatives of indolamines, Part III: effect of desoxyfructo-serotonin on the uptake and release of serotonin by human platelets. Thromb Res 13(5):805–10, Nov 78
*BLOOD PLATELETS, metabolism/ *FRUCTOSE, pharmacodynamics/ HUMAN/ OXALATES, pharmacodynamics/ *SEROTONIN, metabolism

2142. **Laurent C, de Lauzon S, Christeff N, et al:** A kinetic study of rat liver 17beta-hydroxysteroid-dehydrogenase.
Biochimie 60(10):1181–5, 1978
ANIMAL/ BINDING SITES/ CYTOCHROME OXIDASE, metabolism/ ESTRADIOL, metabolism/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ KINETICS/ *LIVER, enzymology/ MICROSOMES, LIVER, enzymology/ MITOCHONDRIA, LIVER, enzymology/ NADP, metabolism/ RATS/ SUBCELLULAR FRACTIONS, enzymology/ *17-HYDROXYSTEROID DEHYDROGENASES, metabolism

2143. **Laurent MF, Gourmelen M, Boyet F, et al:** Etude de la fonction corticotrope chez 16 sujets opérés d'une tumeur hypophysaire. Ann Endocrinol (Paris) 39(4):267–79, Jul–Aug 78 (Eng. Abstr.) **(Fre)**
ADENOMA, physiopathology/ ADENOMA, surgery/ ADOLESCENCE/ ADULT/ AGED/ CORTICOTROPIN, analysis/ CRANIOPHARYNGIOMA, physiopathology/ CRANIOPHARYNGIOMA, surgery/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCORTISONE, analysis/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ INSULIN, diagnostic use/ LYPRESSIN, diagnostic use/ MALE/ METYRAPONE, diagnostic use/ MIDDLE AGE/ PITUITARY NEOPLASMS, physiopathology/ *PITUITARY NEOPLASMS, surgery/ *PITUITARY-ADRENAL SYSTEM, physiopathology/ POSTOPERATIVE CARE

2144. **Lauret P, Boullie MC, Bravard P:** Acné rosacée. Rev Prat 28(47):3611–20, 21 Oct 78 **(Fre)**
ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MALE/ METRONIDAZOLE, therapeutic use/ *ROSACEA/ ROSACEA, chemically induced/ ROSACEA, complications/ ROSACEA, diagnosis/ ROSACEA, drug therapy/ TETRACYCLINES, therapeutic use

2145. **Lawrence GA:** Past radiation exposure as a factor in medical care. Hosp Pract 14(1):142–7, Jan 79
ADULT/ BREAST NEOPLASMS, etiology/ CHILD/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ INFANT/ LEUKEMIA, RADIATION-INDUCED, etiology/ MAMMOGRAPHY, adverse effects/ *NEOPLASMS, RADIATION-INDUCED, etiology/ RADIATION DOSAGE/ RADIODERMATITIS, etiology/ RADIOTHERAPY DOSAGE/ RADIOTHERAPY, adverse effects/ RATS/ SKIN NEOPLASMS, etiology/ THYROID NEOPLASMS, etiology

2146. **Lawrence JC Jr, Larner J:** Effects of insulin, methoxamine, and calcium on glycogen synthase in rat adipocytes.
Mol Pharmacol 14(6):1079–91, Nov 78
A-23187, pharmacodynamics/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, enzymology/ ANIMAL/ *CALCIUM, pharmacodynamics/ DRUG INTERACTIONS/ GLYCOGEN SYNTHETASE, antagonists & inhibitors/ *GLYCOGEN SYNTHETASE, metabolism/ IN VITRO/ *INSULIN, pharmacodynamics/ MALE/ *METHOXAMINE, pharmacodynamics/ PHOSPHORYLASE A, metabolism/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2147. **Lawton NF, Evans AJ, Davies B:** Application of continuous perifusion to human pituitary adenomas in vitro [proceedings]
J Endocrinol 79(2):45P–46P, Nov 78
*ADENOMA, metabolism/ HUMAN/ PERFUSION, methods/ *PITUITARY NEOPLASMS, metabolism/ PROLACTIN, secretion/ TISSUE CULTURE

2148. **Laxova R:** Prenatal diagnosis of genetic defects.
Postgrad Med 65(3):247–52, Mar 79
*ABNORMALITIES, diagnosis/ ADULT/ *AMNIOCENTESIS/ AMNIOCENTESIS, adverse effects/ FEMALE/ HUMAN/ INFANT, NEWBORN/ METABOLISM, INBORN ERRORS, diagnosis/ NEURAL TUBE DEFECTS, diagnosis/ PREGNANCY/ SEX CHROMOSOME ABNORMALITIES, diagnosis/ UNITED STATES GOV'T SUPPORTED, P.H.S./ X CHROMOSOME

2149. **Laycock JF, Shirley DG, Walter SJ:** Proximal tubular reabsorption during hydrochlorothiazide-induced anti-diuresis in diabetes insipidus [proceedings]
J Physiol (Lond) 284:74P–75P, Nov 78
ABSORPTION/ ANIMAL/ *DIABETES INSIPIDUS, physiopathology/ DIURESIS, drug effects/ *HYDROCHLOROTHIAZIDE, pharmacodynamics/ KIDNEY TUBULES, PROXIMAL, drug effects/ *KIDNEY TUBULES, PROXIMAL, physiopathology/ MALE/ RATS

2150. **Lazăr C, Chifan M, Strat V, et al:** Localizări rare ale chistului hidatic. Rev Chir [Chir] 27(5):333–7, Sep–Oct 78 (Eng. Abstr.) **(Rum)**
ABDOMINAL WALL/ DIAPHRAGM/ *ECHINOCOCCOSIS/ ENGLISH ABSTRACT/ HUMAN/ KIDNEY DISEASES/ MUSCULAR DISEASES/ PERITONEAL DISEASES/ RETROPERITONEAL SPACE/ SPLENIC DISEASES/ THORACIC DISEASES/ THYROID DISEASES

2151. **Lazarev AV, Porotikov VI, Kshutashvilli TSh:** Membranno-lokalizovannye tsAMF-zavisimye protein-kinazy i mekhanizm reguliatsii medlennogo vkhodiashchego toka na serdtse liagushki.
Dokl Akad Nauk SSSR 244(3):747–50, 1979 **(Rus)**
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ CALCIUM, metabolism/ CELL MEMBRANE, enzymology/ ELECTROPHYSIOLOGY/ FROGS/ *HEART, physiology/ *ION CHANNELS, physiology/ *MYOCARDIUM, enzymology/ PROCAINE,

pharmacodynamics/ *PROTEIN KINASE, physiology/ TOLBUTAMIDE, pharmacodynamics

2152. **Leakey JE:** An improved assay technique for uridine diphosphate glucuronosyltransferase activity towards 5-hydroxytryptamine and some properties of the enzyme. Biochem J 175(3):1119–24, 1 Dec 78
ANIMAL/ CATS/ DIETHYLNITROSAMINE, pharmacodynamics/ DIGITONIN, pharmacodynamics/ IN VITRO/ MICE/ RATS/ *SEROTONIN, metabolism/ TISSUE DISTRIBUTION/ URIDINE DIPHOSPHATE N-ACETYLGLUCOSAMINE, metabolism/ *UDP GLUCURONOSYLTRANSFERASE, metabolism

2153. **Lebl M, Bojanovska V, Barth T, et al:** Oxytocin analogs effective as noncompetitive inhibitors in uterotonic test. Experientia 34(12):1543–5, 15 Dec 78
ANIMAL/ FEMALE/ IN VITRO/ *OXYTOCIN, analogs & derivatives/ *OXYTOCIN, antagonists & inhibitors/ OXYTOCIN, chemical synthesis/ PROSTAGLANDINS F, pharmacodynamics/ RATS/ *UTERINE CONTRACTION, drug effects

2154. **Leblond CP, Warshawsky H:** Dynamics of enamel formation in the rat incisor tooth. J Dent Res 58 Spec No 8:950–75, Mar 79
AMELOBLASTS, cytology/ AMELOBLASTS, enzymology/ AMELOBLASTS, metabolism/ AMELOBLASTS, physiology/ AMELOBLASTS, ultrastructure/ *AMELOGENESIS/ ANIMAL/ CALCIUM, metabolism/ CRYSTALLIZATION/ CRYSTALLOGRAPHY/ DENTAL ENAMEL PROTEINS, analysis/ DENTAL ENAMEL PROTEINS, biosynthesis/ DENTAL ENAMEL PROTEINS, physiology/ DENTAL ENAMEL PROTEINS, secretion/ DENTAL ENAMEL, metabolism/ *DENTAL ENAMEL, physiology/ DENTAL ENAMEL, ultrastructure/ INCISOR, cytology/ *INCISOR, physiology/ MINERALS, physiology/ PEPTIDE HYDROLASES, metabolism/ PHOSPHORUS, metabolism/ RATS

2155. **Leckie B, Brown JJ, Fraser R, et al:** A renal carcinoma secreting inactive renin. Clin Sci Mol Med 55 Suppl 4:159s–161s, Dec 78
AGED/ ANGIOTENSIN II, blood/ CASE REPORT/ ENZYME ACTIVATION/ HUMAN/ *KIDNEY NEOPLASMS, secretion/ KIDNEY NEOPLASMS, surgery/ MALE/ *MESONEPHROMA, secretion/ MESONEPHROMA, surgery/ NEOPLASM METASTASIS/ NEPHRECTOMY/ RENIN, blood/ *RENIN, secretion

2156. **Leckie BJ:** An endogenous protease activating plasma inactive renin. Clin Sci Mol Med 55 Suppl 4:133s–134s, Dec 78
ENZYME ACTIVATION, drug effects/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MALE/ *PEPTIDE HYDROLASES, blood/ PROTEASE INHIBITORS, pharmacodynamics/ *RENIN, blood

2157. **Leclercq-Meyer V, Marchand J, Malaisse WJ:** Calcium dependency of glucagon release: its modulation by nutritional factors. Am J Physiol 236(2):E98–104, Feb 79
ANIMAL/ ARGININE, pharmacodynamics/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ FEMALE/ FUMARATES, pharmacodynamics/ *GLUCAGON, secretion/ GLUCOSE, pharmacodynamics/ GLUTAMATES, pharmacodynamics/ IN VITRO/ IPROVERATRIL, pharmacodynamics/ ISLANDS OF LANGERHANS, secretion/ PERFUSION/ PYRUVATES, pharmacodynamics/ RATS

2158. **Lecomte P, Lansac J, Lecomte C:** Les récepteurs hormonaux en gynécologie. Vers les applications pratiques? J Gynecol Obstet Biol Reprod (Paris) 7(6):1051–64, Sep 78 (Eng. Abstr.) **(Fre)**
BINDING SITES/ BREAST NEOPLASMS, physiopathology/ *BREAST, physiology/ CORPUS LUTEUM, physiology/ CYTOSOL, physiology/ *ENDOMETRIUM, physiology/ ENGLISH ABSTRACT/ *ESTRADIOL, physiology/ FEMALE/ GENITAL NEOPLASMS, FEMALE, physiopathology/ HUMAN/ *MYOMETRIUM, physiology/ PROTEINS, biosynthesis/ *RECEPTORS, ESTROGEN, physiology/ *RECEPTORS, PROGESTERONE, physiology/ *UTERUS, physiology

2159. **Lecornu M, David L, François R:** Low serum somatomedin activity in celiac disease. A misleading aspect in growth failure from asymptomatic celiac disease. Helv Paediatr Acta 33(6):509–16, Dec 78
*CELIAC DISEASE, blood/ CHILD/ CHILD, PRESCHOOL/ DIET/ FEMALE/ GLUTEN/ HUMAN/ INFANT/ MALE/ *SOMATOMEDIN, blood/ SOMATOTROPIN, administration & dosage/ SOMATOTROPIN, blood

2160. **Leder P:** Recombinant DNA technology: prologue and promise. Radiology 130(2):289–92, Feb 79
ANIMAL/ BACTERIA, metabolism/ DNA, RECOMBINANT/ *GENETIC INTERVENTION/ GENETICS, MICROBIAL/ HORMONES, biosynthesis/ HUMAN/ PLASMIDS

2161. **Ledig M, Cam Y, Elkouby A, et al:** Etude de quelques activités enzymatiques membranaires au cours de la différenciation des cellules nerveuses en culture. Arch Int Physiol Biochim 86(4):873–4, Oct 78 **(Fre)**
ADENOSINE TRIPHOSPHATASE, metabolism/ CELL DIFFERENTIATION/ CELL MEMBRANE PERMEABILITY/ CELLS, CULTURED/ GUANYL CYCLASE, metabolism/ *NEUROGLIA/ NEUROGLIA, cytology/ NEUROGLIA, enzymology/ *NEURONS, cytology/ NEURONS, enzymology

2162. **Lee CH, Evans SP, Rozenberg MC, et al:** In vitro platelet abnormality in adenosine deaminase deficiency and severe combined immunodeficiency. Blood 53(3):465–71, Mar 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ *ADENOSINE DEAMINASE, deficiency/ *BLOOD PLATELET DISORDERS, complications/ CASE REPORT/ FEMALE/ HUMAN/ *IMMUNOLOGIC DEFICIENCY SYNDROMES, complications/ INFANT/ MALE/ *NUCLEOSIDE DEAMINASES, deficiency/ PLATELET AGGREGATION

2163. **Lee JK, McClennan BL, Stanley RJ, et al:** Computed tomography in the staging of testicular neoplasms. Radiology 130(2):387–90, Feb 79
*DYSGERMINOMA, radiography/ HUMAN/ LYMPHATIC METASTASIS, radiography/ *NEOPLASM STAGING, methods/ *NEOPLASMS, EMBRYONAL AND MIXED, radiography/ *TERATOID TUMOR, radiography/ *TESTICULAR NEOPLASMS, radiography/ *TOMOGRAPHY, COMPUTERIZED AXIAL

2164. **Lee KF, Parke W, Lin SR, et al:** The vasculature of the diaphragma sellae. A postmortem injection study. Neuroradiology 16:281–3, 1978
ADULT/ AGED/ HUMAN/ INFANT/ MIDDLE AGE/ PITUITARY GLAND, blood supply/ SELLA TURCICA, anatomy & histology/ *SELLA TURCICA, blood supply

2165. **Lee PA:** Positive feedback of gonadotropins in males. Andrologia 10(6):485–9, Nov-Dec 78
ADMINISTRATION, ORAL/ ADOLESCENCE/ ADULT/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEEDBACK/ *FSH, blood/ HUMAN/ *LH, blood/ MALE/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics

2166. **Lee SH, Sundaresan N, Jereb B, et al:** Endodermal sinus tumor of the pineal region: case report. Neurosurgery 3(3):407–11, Nov-Dec 78
ADOLESCENCE/ ADULT/ ALPHA FETOPROTEINS, analysis/ ALPHA FETOPROTEINS, cerebrospinal fluid/ BRAIN NEOPLASMS, diagnosis/ *BRAIN NEOPLASMS, surgery/ CASE REPORT/ CEREBROSPINAL FLUID SHUNTS/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ MALE/ MESONEPHROMA, pathology/ *MESONEPHROMA, surgery/ PERITONEAL CAVITY/ *PINEAL BODY, surgery/ RADIOTHERAPY/ TOMOGRAPHY, COMPUTERIZED AXIAL/ VERTEBRAL ARTERY, radiography

2167. **Lee TP:** Regulation of beta-adrenergic response in human lymphocytes: agonist induced subsensitivity. Res Commun Chem Pathol Pharmacol 22(2):233–42, Nov 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HUMAN/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/

*LYMPHOCYTES, drug effects/ PROSTAGLANDINS E, pharmacodynamics/ *RECEPTORS, ADRENERGIC, drug effects/ *RECEPTORS, ADRENERGIC, BETA, drug effects/ THEOPHYLLINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2168. **Leenen FH, Boer P, Geyskes GG:** Sodium intake and the effects of isoproterenol and exercise on plasma renin in man.
J Appl Physiol 45(6):870–4, Dec 78
ADULT/ BLOOD PRESSURE, drug effects/ DIASTOLE/ *DIET/ DIET, SALT-FREE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *EXERTION/ HEART RATE, drug effects/ HUMAN/ *ISOPROTERENOL, pharmacodynamics/ MALE/ *RENIN, blood/ *SODIUM, administration & dosage

2169. **Leer JA Jr:** The comparative efficacy of betamethasone dipropionate cream and ointment formulations in the treatment of psoriasis. Cutis 23(1):97–101, Jan 79
*BETAMETHASONE, analogs & derivatives/ BETAMETHASONE, administration & dosage/ BETAMETHASONE, therapeutic use/ CHRONIC DISEASE/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *OINTMENTS/ *PSORIASIS, drug therapy

2170. **Leffert F:** Asthma: a modern perspective. Pediatrics 62(6):1061–9, Dec 78 (51 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ ASTHMA, diagnosis/ *ASTHMA, etiology/ ASTHMA, immunology/ COMMUNICATION/ HUMAN/ HYPERSENSITIVITY/ PEDIATRICS/ PHYSICIAN-PATIENT RELATIONS/ PROSTAGLANDINS, adverse effects/ RECEPTORS, ADRENERGIC, BETA/ REVIEW/ STIMULATION, CHEMICAL

2171. **Legait H, Legait E, Oboussier H:** Recherches sur la glande pinéale des ongulés. Bull Assoc Anat (Nancy) 62(176):101–11, Mar 78 (Eng. Abstr.) **(Fre)**
ANIMAL / CALCIUM, metabolism/ ENGLISH ABSTRACT/ *MAMMALS, anatomy & histology/ MUCOPOLYSACCHARIDES, metabolism/ *PINEAL BODY, anatomy & histology/ PINEAL BODY, blood supply/ PINEAL BODY, cytology/ PINEAL BODY, metabolism

2172. **Legros JJ:** Les neurophysines. Ann Endocrinol (Paris) 39(4):319–39, Jul–Aug 78 (Eng. Abstr.) **(Fre)**
ANIMAL/ CATTLE/ DIABETES INSIPIDUS, blood/ DIABETES INSIPIDUS, familial & genetic/ DIABETES MELLITUS, blood/ DRINKING/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ KIDNEY DISEASES, blood/ MALE/ NEUROPHYSINS, blood/ *NEUROPHYSINS, secretion/ NORMAL VALUES/ OBESITY, blood/ OSMOLAR CONCENTRATION/ OXYTOCIN, secretion/ PITUITARY GLAND, POSTERIOR, secretion/ RADIOIMMUNOASSAY/ VASOPRESSINS, secretion

2173. **Lehmann H:** Amelogenesis imperfecta—et tilfaelde med multiple retentioner. Tandlaegebladet 83(2):38–42, Jan 79 (Eng. Abstr.) **(Dan)**
ADULT/ *AMELOGENESIS IMPERFECTA/ CLEIDOCRANIAL DYSOSTOSIS/ DENTAL CARIES SUSCEPTIBILITY/ ENGLISH ABSTRACT/ HUMAN/ HYPOTHYROIDISM/ MALE/ TOOTH RESORPTION, etiology/ *TOOTH, IMPACTED, etiology

2174. **Leibowitz SF, Rossakis C:** Analysis of feeding suppression produced by perifornical hypothalamic injection of catecholamines, amphetamines and mazindol.
Eur J Pharmacol 53(1):69–81, 15 Dec 78
AMPHETAMINES, administration & dosage/ *AMPHETAMINES, pharmacodynamics/ ANIMAL/ CATECHOLAMINES, administration & dosage/ *CATECHOLAMINES, pharmacodynamics/ DEPRESSION, CHEMICAL/ *FEEDING BEHAVIOR, drug effects/ HYPOTHALAMUS/ *INDOLES, pharmacodynamics/ INJECTIONS/ MALE/ MAZINDOL, administration & dosage/ *MAZINDOL, pharmacodynamics/ PARGYLINE, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2175. **Leicht E, Langer HJ, Stelzer K, et al:** Hydroxyprolinbestimmung im Plasma bei Patienten mit Erkrankungen des Knoechenkollagenstoffwechsels.
Verh Dtsch Ges Inn Med (84):1115–9, 1978 **(Ger)**
ACROMEGALY, metabolism/ ADULT/ HUMAN/ *HYDROXYPROLINE, blood/ HYDROXYPROLINE, urine/ HYPERPARATHYROIDISM, metabolism/ KIDNEY FAILURE, CHRONIC, metabolism/ *RENAL OSTEODYSTROPHY, metabolism

2176. **Leipzig B, Oski FA, Cummings CW, et al:** A prospective randomized study to determine the efficacy of steroids in treatment of croup. J Pediatr 94(2):194–6, Feb 79
CHILD, PRESCHOOL/ CLINICAL RESEARCH/ *CROUP, drug therapy/ *DEXAMETHASONE, therapeutic use/ DOUBLE-BLIND METHOD/ HUMAN/ INFANT/ *LARYNGITIS, drug therapy/ PLACEBOS/ PROSPECTIVE STUDIES

2177. **Leis D, Richter K, Schmid K:** Spontane Uberstimulierung der Eierstöcke mit Luteinzysten und Aszites während einer Zwillingsschwangerschaft – Extremfall des Syndroms der schmerzhaften Frühschwangerschaft.
Geburtshilfe Frauenheilkd 38(12):1085–7, Dec 78 (Eng. Abstr.) **(Ger)**
ABDOMEN, ACUTE, etiology/ ADULT/ ASCITES, complications/ *ASCITES, diagnosis/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ OVARIAN CYSTS, complications/ *OVARIAN CYSTS, diagnosis/ *PREGNANCY COMPLICATIONS, diagnosis/ *PREGNANCY, MULTIPLE

2178. **Leis D, Zach H, Kohler P:** Vergleich von Enzymen und Bilirubin im Serum nach kurzer, hochdosierter Einnahme von Ostriol, 17alpha-Athinylöstradiol und intramuskulärer Gabe von Ostriol-16-alpha-17-beta-Dihemisuccinat.
Arch Gynecol 226(4):333–9, 29 Dec 78 (Eng. Abstr.)**(Ger)**
ADULT/ ALANINE AMINOTRANSFERASE, blood/ ALKALINE PHOSPHATASE, blood/ ASPARTATE AMINOTRANSFERASE, blood/ *BILIRUBIN, blood/ CASTRATION/ ENGLISH ABSTRACT/ *ESTRIOL, analogs & derivatives/ *ESTRIOL, pharmacodynamics/ *ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ HYSTERECTOMY/ LEUCINE AMINOPEPTIDASE, blood/ MIDDLE AGE

2179. **Leithner C, Winter M, Silbauer K, et al:** Enhanced prostacyclin availability of blood vessels in uraemic humans and rats.
Proc Eur Dial Transplant Assoc 15:418–23, 1978
ANIMAL/ *ARTERIES, metabolism/ HUMAN/ IN VITRO/ MALE/ PLATELET AGGREGATION, drug effects/ *PROSTAGLANDINS X, metabolism/ PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, metabolism/ RATS/ *UREMIA, metabolism/ *VEINS, metabolism

2180. **Lemaire G, Florin M, Le Monies De Sagazan H, et al:** Rein muet et tumeur carcinoïde de l'appendice.
Acta Urol Belg 46(4):436–42, 1978 **(Fre)**
*APPENDICEAL NEOPLASMS, complications/ *CARCINOID TUMOR, complications/ CASE REPORT/ HUMAN/ *HYDRONEPHROSIS, etiology/ MALE/ MIDDLE AGE/ *RETROPERITONEAL FIBROSIS, etiology/ SEROTONIN, blood/ *URETERAL OBSTRUCTION, etiology

2181. **Lemaire I, Tseng R, Lemaire S:** Systemic administration of beta-endorphin: potent hypotensive effect involving a serotonergic pathway. Proc Natl Acad Sci USA 75(12):6240–2, Dec 78
P-CHLOROPHENYLALANINE, pharmacodynamics/ *BLOOD PRESSURE, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENDORPHINS, antagonists & inhibitors/ *ENDORPHINS, pharmacodynamics/ FLUOXETIN, pharmacodynamics/ NALOXONE, pharmacodynamics/ NEURAL PATHWAYS, drug effects/ RECEPTORS, SEROTONIN, drug effects/ SEROTONIN ANTAGONISTS/ *SEROTONIN, physiology

2182. **Lemm U, Wenzel M:** 2alpha-Hydroxylierung von 5alpha-Dihydrotestosteron Bevorzugter Umsatz in der Lunge von männlichen Meerschweinchen.
Hoppe Seylers Z Physiol Chem 360(1):35–8, Jan 79 (Eng. Abstr.) **(Ger)**
ADRENAL GLANDS, metabolism/ ANIMAL/ ENGLISH ABSTRACT/ FEMALE/ GUINEA PIGS/

HYDROXYLATION/ KINETICS/ LIVER, metabolism/ *LUNG, enzymology/ MALE/ ORGAN SPECIFICITY/ OVARY, metabolism/ PROSTATE, metabolism/ SEX FACTORS/ *STANOLONE, metabolism/ TESTIS, metabolism/ UTERUS, metabolism

2183. **Lemperg RK, Arnoldi CC:** The significance of intraosseous pressure in normal and diseased states with special reference to the intraosseous engorgement-pain syndrome. Clin Orthop (136):143–56, Oct 78
ADULT/ ANIMAL/ BONE AND BONES, blood supply/ *BONE AND BONES, physiopathology/ BONE AND BONES, radiography/ FEMALE/ FEMUR, physiopathology/ HUMAN/ KNEE JOINT, physiopathology/ MALE/ MANOMETRY, instrumentation/ MIDDLE AGE/ NEEDLES/ OSTEOARTHRITIS, physiopathology/ *OSTEOARTHRITIS, radiography/ *PAIN, etiology/ PRESSURE/ SYNDROME/ TIBIA, physiopathology

2184. **Lenaz G, Curatola G, Mazzanti L, et al:** Biophysical studies on agents affecting the state of membrane lipids: biochemical and pharmacological implications. Mol Cell Biochem 22(1):3–32, 30 Nov 78 (161 ref.)
ACETYLCHOLINESTERASE, metabolism/ ADENOSINE TRIPHOSPHATASE, metabolism/ ANESTHESIA/ *ANESTHETICS, pharmacodynamics/ INTRACELLULAR MEMBRANES, physiology/ KINETICS/ *MEMBRANE LIPIDS/ MEMBRANE LIPIDS, metabolism/ MEMBRANE PROTEINS, metabolism/ MEMBRANES, drug effects/ MEMBRANES, enzymology/ *MEMBRANES, physiology/ MEMBRANES, ARTIFICIAL/ MOLECULAR CONFORMATION/ PHOSPHOLIPIDS, metabolism/ PROTEIN BINDING/ REVIEW/ SURFACE PROPERTIES/ SYNAPTIC VESICLES/ TEMPERATURE

2185. **Lengemann FW, Wentworth RA:** The transfer coefficient of 137Cs into cows milk as related to the level of milk production. Health Phys 34(6):720–2, Jun 78
ANIMAL/ CATTLE/ *CESIUM RADIOISOTOPES/ CESIUM RADIOISOTOPES, analysis/ DIET/ ECOLOGY/ FEMALE/ *FOOD CONTAMINATION, RADIOACTIVE/ FOOD CONTAMINATION, RADIOACTIVE, analysis/ LACTATION/ *MILK/ MILK, analysis/ MODELS, BIOLOGICAL/ RADIOACTIVE FALLOUT

2186. **Leon M, Croskerry PG, Smith GK:** Thermal control of mother-young contact in rats. Physiol Behav 21(5):79O–811, Nov 78
ADRENAL CORTEX, physiology/ ADRENAL MEDULLA, physiology/ ANIMAL/ BODY TEMPERATURE REGULATION/ BODY TEMPERATURE/ CUES/ FEMALE/ LACTATION/ *MATERNAL BEHAVIOR/ *NESTING BEHAVIOR, physiology/ OVARY, physiology/ PROLACTIN, physiology/ RATS/ TEMPERATURE/ TIME FACTORS

2187. **Léonardelli J, Tramu G, Hermand E:** Mélatonine et cellules à gonadolibérine (LH-RH) de l'hypothalamus du rat. C R Soc Biol (Paris) 172(3):481–4, 1978 (Eng. Abstr.) **(Fre)**
ANIMAL/ ENGLISH ABSTRACT/ FEMALE/ GONADOTROPINS, EQUINE, pharmacodynamics/ HISTOCYTOCHEMISTRY/ HYPOTHALAMUS, cytology/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ *LH-FSH RELEASING HORMONE, physiology/ *MELATONIN, pharmacodynamics/ NEURONS, drug effects/ NEURONS, physiology/ RATS

2188. **Leonetti G, Terzoli L, Sala C, et al:** Relationship between the hypotensive and renin-stimulating actions of diuretic therapy in hypertensive patients. Clin Sci Mol Med 55 Suppl 4:307s–309s, Dec 78
ADULT/ AGED/ *ANGIOTENSIN II, analogs & derivatives/ BLOOD PRESSURE, drug effects/ *CHLORTHALIDONE, therapeutic use/ HEART RATE, drug effects/ HUMAN/ *HYPERTENSION, drug therapy/ HYPERTENSION, physiopathology/ MIDDLE AGE/ *RENIN, blood/ SARALASIN, pharmacodynamics/ *SARALASIN, therapeutic use

2189. **Leong AS, Balasubramaniam P:** The estimation of dermal collagen in osteoporotic patients by a histomorphometric method. Pathology 10(4):365–71, Oct 78
AGED/ BIOPSY/ *COLLAGEN, metabolism/ FEMALE/ HAND/ HISTOLOGICAL TECHNICS/ HUMAN/ MALE/ MIDDLE AGE/ *OSTEOPOROSIS, metabolism/ OSTEOPOROSIS, pathology/ *SKIN, metabolism

2190. **Lepock JR, Thompson JE, Kruuv J:** Photoinduced crosslinking of membrane proteins by fluorescein isothiocyanate. Biochem Biophys Res Commun 85(1):344–50, 14 Nov 78
AZIDES/ CELL LINE/ CELL MEMBRANE, analysis/ ELECTRON SPIN RESONANCE/ *ERYTHROCYTE MEMBRANE, analysis/ *ERYTHROCYTES, analysis/ FLUORESCEINS/ HUMAN/ LIGHT/ *MEMBRANE PROTEINS, blood/ PROTEIN BINDING/ THIOCYANATES

2191. **Leshchinskiĭ LA, Trusov VV, Pimenov LT:** Izmenenie urovnia i obmena riada gormonal'nykh agentov (insulina, somatotropina, tireotropina, tireoidnykh gormonov, AKTG i kortizola) pri infarkte miokarda in vitro i in vivo po dannym radioindikatsionnykh testov. Ter Arkh 50(12):34–41, 1978 **(Rus)**
HUMAN/ *HYDROCORTISONE, metabolism/ IN VITRO/ *INSULIN, metabolism/ IODINE RADIOISOTOPES/ *MYOCARDIAL INFARCTION, metabolism/ *PITUITARY HORMONES, ANTERIOR, metabolism/ RADIOISOTOPE DILUTION TECHNIC/ *THYROID HORMONES, metabolism

2192. **Leśnik H:** Effect of vasopressin and oxytocin perfusion of the cerebral ventricles on evoked tongue jerks. Acta Physiol Pol 29(4):373–7, 1978
ANIMAL/ *ARGIPRESSIN, pharmacodynamics/ CATS/ *CEREBRAL VENTRICLES, drug effects/ *CONDITIONING, CLASSICAL, drug effects/ *HYPOGLOSSAL NERVE, drug effects/ MEMORY, drug effects/ NEURAL TRANSMISSION, drug effects/ *OXYTOCIN, pharmacodynamics/ *TONGUE, innervation/ TRIGEMINAL NERVE, drug effects

2193. **Lester R, Eagon PK, Van Thiel DH:** Feminization of the alcoholic: the estrogen/testosterone ratio (E/T) [editorial] Gastroenterology 76(2):415–7, Feb 79
ALCOHOLISM, blood/ *ALCOHOLISM, complications/ ALCOHOLISM, physiopathology/ ESTROGENS, blood/ *ESTROGENS, metabolism/ ESTROGENS, secretion/ FEMALE/ *FEMINIZATION, etiology/ FEMINIZATION, metabolism/ FEMINIZATION, physiopathology/ GONADOTROPINS, PITUITARY, secretion/ HUMAN/ MALE/ RECEPTORS, ANDROGEN, metabolism/ RECEPTORS, ESTROGEN, metabolism/ *TESTOSTERONE, biosynthesis/ TESTOSTERONE, blood/ TESTOSTERONE, secretion

2194. **Levan G, Mitelman F:** Absence of late-replicating X-chromosome in a female patient with acute myeloid leukemia and the 8;21 translocation. JNCI 62(2):273–5, Feb 79
ADULT/ *CHROMOSOME ABERRATIONS/ CHROMOSOME DELETION/ *CHROMOSOMES, HUMAN, 21–22/ *CHROMOSOMES, HUMAN, 6–12/ FEMALE/ HUMAN/ *LEUKEMIA, MYELOBLASTIC, familial & genetic/ MALE/ *SEX CHROMOSOMES/ TRANSLOCATION (GENETICS)/ *X CHROMOSOME/ Y CHROMOSOME

2195. **Levene CI:** Diseases of the collagen molecule. J Clin Pathol [Suppl] (12):82–94, 1978 (134 ref.)
ALKAPTONURIA, metabolism/ ARACHNODACTYLY, metabolism/ *COLLAGEN DISEASES, metabolism/ *COLLAGEN, metabolism/ CUTIS LAXA, metabolism/ EHLERS-DANLOS SYNDROME, metabolism/ HOMOCYSTINURIA, metabolism/ HUMAN/ HYDROXYLATION/ INFLAMMATION, etiology/ LATHYRISM, metabolism/ *METABOLIC DISEASES, metabolism/ OSTEOGENESIS IMPERFECTA, metabolism/ POLYMORPHISM (GENETICS)/ PROCOLLAGEN PEPTIDASE, metabolism/ REVIEW/ SKIN DISEASES, familial & genetic

2196. **Levin GM, Moyano MB, Bergadá C:** El sistema renina-angiotensina en la insuficiencia hipofisaria crónica idiopática. Medicina (B Aires) 38(5):519–23, Sep-Oct 78 (Eng. Abstr.) **(Spa)**
ADOLESCENCE/ ANGIOTENSIN II, blood/ *ANGIOTENSIN II, physiology/ CHILD/ CHILD,

PRESCHOOL/ CHRONIC DISEASE/ CORTICOTROPIN, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ FUROSEMIDE, pharmacodynamics/ HUMAN/ *HYPOPITUITARISM, metabolism/ MALE/ RADIOIMMUNOASSAY/ RENIN, blood/ *RENIN, physiology/ SODIUM, urine/ SOMATOTROPIN, deficiency/ *SOMATOTROPIN, pharmacodynamics/ SOMATOTROPIN, therapeutic use/ *THYROID HORMONES, pharmacodynamics/ THYROID HORMONES, therapeutic use

2197. **Levin ML:** Hyponatremic syndromes. Med Clin North Am 62(6):1257–72, Nov 78 (25 ref.)
BODY WATER, metabolism/ HUMAN/ *HYPONATREMIA/ HYPONATREMIA, diagnosis/ HYPONATREMIA, drug therapy/ HYPONATREMIA, etiology/ INAPPROPRIATE ADH SYNDROME, complications/ KIDNEY TUBULES, PROXIMAL, metabolism/ POTASSIUM DEFICIENCY, complications/ REVIEW/ SODIUM CHLORIDE, therapeutic use/ SODIUM, blood/ SYNDROME/ WATER-ELECTROLYTE IMBALANCE, complications

2198. **Levin VA, Stearns J, Byrd A, et al:** The effect of phenobarbital pretreatment on the antitumor activity of 1,3-bis(2-chloroethyl)-1-nitrosourea (BCNU), 1-(2-chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU) and 1-(2-chloroethyl)-3-(2,6-dioxo-3-piperidyl-1-nitrosourea (PCNU), and on the plasma pharmacokinetics and biotransformation of BCNU. J Pharmacol Exp Ther 208(1):1–6, Jan 79
*ALKYLATING AGENTS/ ANIMAL/ BIOTRANSFORMATION, drug effects/ BRAIN NEOPLASMS, drug therapy/ *CARMUSTINE, metabolism/ CARMUSTINE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ DRUG INTERACTIONS/ IN VITRO/ KINETICS/ LIVER, metabolism/ LOMUSTINE, pharmacodynamics/ MALE/ METHYLPREDNISOLONE, pharmacodynamics/ NEOPLASMS, EXPERIMENTAL, drug therapy/ *NITROSOUREA COMPOUNDS, pharmacodynamics/ *PHENOBARBITAL, pharmacodynamics/ PHENYTOIN, pharmacodynamics/ RATS/ RATS, INBRED F344/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2199. **Levin W, Thomas PE, Korzeniowski D, et al:** Liver microsomal epoxide hydrase: activation, inhibition, and immunological properties of the purified enzyme. Mol Pharmacol 14(6):1107–20, Nov 78
ACETOPHENONES, pharmacodynamics/ ANIMAL/ ANTIGENIC DETERMINANTS/ CYCLOHEXANES, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ EPOXIDE HYDRATASES, antagonists & inhibitors/ EPOXIDE HYDRATASES, immunology/ *EPOXIDE HYDRATASES, metabolism/ EPOXY COMPOUNDS, pharmacodynamics/ GEL DIFFUSION TESTS/ GUINEA PIGS/ HAMSTERS/ HUMAN/ IN VITRO/ MALE/ METYRAPONE, pharmacodynamics/ MICE/ MICE, INBRED C57BL/ MICE, INBRED DBA/ *MICROSOMES, LIVER, enzymology/ RABBITS/ RATS/ SPECIES SPECIFICITY

2200. **Levine GD, Rosai J:** Thymic hyperplasia and neoplasia: a review of current concepts. Hum Pathol 9(5):495–515, Sep 78 (98 ref.)
AGE FACTORS/ B-LYMPHOCYTES, pathology/ CARCINOID TUMOR, pathology/ DYSGERMINOMA, pathology/ FEMALE/ HODGKIN'S DISEASE, pathology/ HUMAN/ LYMPHOMA, pathology/ MALE/ MYASTHENIA GRAVIS, pathology/ REVIEW/ SEX FACTORS/ T-LYMPHOCYTES, pathology/ TERATOID TUMOR, pathology/ THYMOMA, pathology/ *THYMUS GLAND, pathology/ *THYMUS HYPERPLASIA, pathology/ *THYMUS NEOPLASMS, pathology

2201. **Levine SN, Steiner AL, Earp HS, et al:** Particulate guanylate cyclase of skeletal muscle: effects of Ca2+ and other divalent cations on enzyme activity. Biochim Biophys Acta 566(1):171–82, 12 Jan 79
ANIMAL/ *CALCIUM, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ GUANOSINE TRIPHOSPHATE, metabolism/ GUANYL CYCLASE, isolation & purification/ *GUANYL CYCLASE, metabolism/ KINETICS/ MAGNESIUM, pharmacodynamics/ MANGANESE, pharmacodynamics/ *MUSCLES, enzymology/ RABBITS/ SOLUBILITY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2202. **Leviton A:** Epidemiology of headache. Adv Neurol 19:341–53, 1978 (73 ref.)
EMOTIONS/ FEMALE/ FOOD/ GREAT BRITAIN/ HEADACHE, etiology/ *HEADACHE, occurrence/ HEALTH SURVEYS/ HORMONES/ HUMAN/ HYPERTENSION, complications/ MALE/ MIGRAINE, complications/ MIGRAINE, etiology/ MIGRAINE, occurrence/ PERSONALITY/ REVIEW/ UNITED STATES/ WEATHER

2203. **Levy BW, Connor W, Dixon GH:** A subset of trout testis nucleosomes enriched in transcribed DNA sequences contains high mobility group proteins as major structural components. J Biol Chem 254(3):609–20, 10 Feb 79
ANIMAL/ CHROMATIN, analysis/ CHROMOSOMAL PROTEINS, NON-HISTONE, analysis/ *DNA, analysis/ HISTONES, analysis/ MALE/ MICROCOCCAL NUCLEASE/ MOLECULAR WEIGHT/ *NUCLEOPROTEINS, analysis/ *TESTIS, analysis/ TRANSCRIPTION, GENETIC/ TROUT

2204. **Levy JB, Gedeon A:** Les claudications artérielles. Phlebologie 31(4):363–9, Oct–Dec 78 (Eng. Abstr.) **(Fre)**
ADRENALECTOMY/ AMPUTATION, mortality/ ATHEROMA, complications/ BLOOD VESSEL PROSTHESIS, mortality/ ENDARTERECTOMY, mortality/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ HUMAN/ INTERMITTENT CLAUDICATION, etiology/ INTERMITTENT CLAUDICATION, surgery/ *INTERMITTENT CLAUDICATION, therapy/ LUMBOSACRAL REGION/ SYMPATHECTOMY, mortality

2205. **Levy M:** The pathophysiology of sodium balance. Hosp Pract 13(11):105–6, Nov 78
ALDOSTERONE, metabolism/ GLOMERULAR FILTRATION RATE/ HEART FAILURE, CONGESTIVE, etiology/ HUMAN/ HYPERNATREMIA, complications/ HYPERNATREMIA, metabolism/ HYPONATREMIA, complications/ HYPONATREMIA, metabolism/ KIDNEY DISEASES, etiology/ *KIDNEY DISEASES, physiopathology/ KIDNEY TUBULES, metabolism/ KIDNEY, metabolism/ *KIDNEY, physiopathology/ LIVER CIRRHOSIS, etiology/ NEPHROTIC SYNDROME, etiology/ *SODIUM, metabolism

2206. **Lewartowski B, Prokopczuk A, Pytkowski B:** Effect of inhibitors of slow calcium current on rested state contraction of papillary muscles and post rest contractions of atrial muscle of the cat and rabbit hearts. Pfluegers Arch 377(2):167–75, 14 Nov 78
ACTION POTENTIALS, drug effects/ ANIMAL/ CAFFEINE, pharmacodynamics/ *CALCIUM, metabolism/ CATS/ COBALT, pharmacodynamics/ D 600, pharmacodynamics/ HEART ATRIUM, drug effects/ IN VITRO/ *ION CHANNELS, drug effects/ MANGANESE, pharmacodynamics/ *MYOCARDIAL CONTRACTION, drug effects/ *MYOCARDIUM, metabolism/ NICKEL, pharmacodynamics/ PAPILLARY MUSCLES, drug effects/ RABBITS/ REST/ SODIUM, pharmacodynamics

2207. **Lewiński A:** Effects of thyroliberin, triiodothyronine and cyclic guanosine 3'5'-monophosphate on the volume of nuclei of thyrotropic cells in rat anterior pituitary in vitro. Endokrinologie 72(2):175–82, May 78
ANIMAL/ CELL NUCLEUS, drug effects/ *CELL NUCLEUS, ultrastructure/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ MALE/ ORGAN CULTURE/ PITUITARY GLAND, ANTERIOR, drug effects/ *PITUITARY GLAND, ANTERIOR, ultrastructure/ RATS/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics/ *TRIIODOTHYRONINE, pharmacodynamics

2208. **Lewis PE, Cefalo RC:** Triploidy syndrome with theca lutein cysts and severe pre-eclampsia. Am J Obstet Gynecol 133(1):110–1, 1 Jan 79
ADULT/ CASE REPORT/ *CORPUS LUTEUM, pathology/ FEMALE/ HUMAN/ KARYOTYPING/

*LUTEIN CELLS, pathology/ *OVARIAN CYSTS, complications/ OVARIAN CYSTS, familial & genetic/ PHENOTYPE/ *POLYPLOIDY/ *PRE-ECLAMPSIA, complications/ PRE-ECLAMPSIA, familial & genetic/ PREGNANCY/ SYNDROME/ *THECA CELLS, pathology

2209. **Lewis PJ, Harvey DR:** Data sheets and lactation [letter] Br Med J 2(6153):1715, 16 Dec 78
*DRUG LABELING/ *DRUGS, metabolism/ FEMALE/ HUMAN/ *LACTATION/ PREGNANCY

2210. **Lewis RV, Gerber LD, Stein S, et al:** On betaH-Leu5-endorphin and schizophrenia. Arch Gen Psychiatry 36(2):237–9, Feb 79
ADULT/ CASE REPORT/ *ENDORPHINS, blood/ HEMODIALYSIS/ HUMAN/ MALE/ RECEPTORS, NARCOTIC, analysis/ *SCHIZOPHRENIA, blood/ SCHIZOPHRENIA, therapy

2211. **Lewy JE, VanWyk JJ:** Somatomedin and growth retardation in children with chronic renal insufficiency. Kidney Int 14(4):361–4, Oct 78 (29 ref.)
BIOLOGICAL ASSAY/ CHILD/ *GROWTH DISORDERS, etiology/ HUMAN/ KIDNEY FAILURE, CHRONIC, blood/ *KIDNEY FAILURE, CHRONIC, complications/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ RADIOLIGAND ASSAY/ REVIEW/ SOMATOMEDIN, blood/ *SOMATOMEDIN, physiology/ UREMIA, blood/ UREMIA, complications

2212. **Leyritz M, Joncas JH:** The interaction of hydrocortisone, interferon and the Epstein--Barr virus in lymphoid cells. Eur J Cancer 14(12):1377–81, Dec 78
ANTIGENS, VIRAL/ CELL LINE/ CELL SURVIVAL, drug effects/ *EPSTEIN-BARR VIRUS, immunology/ *HYDROCORTISONE, pharmacodynamics/ INTERFERON INDUCERS/ *INTERFERON, biosynthesis/ *LYMPHOCYTES, drug effects/ LYMPHOCYTES, immunology/ PHOSPHONOACETIC ACID, pharmacodynamics

2213. **Li AP, Hsie AW:** Characterization of two adenosine 3':5'-phosphate-dependent protein kinase species from Chinese hamster ovary cells. Biochim Biophys Acta 527(2):403–13, 8 Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ CATALYSIS/ CLONE CELLS, enzymology/ CYTOSOL, enzymology/ ENZYME ACTIVATION/ KINETICS/ MACROMOLECULAR SYSTEMS/ MOLECULAR WEIGHT/ *PROTEIN KINASE, metabolism

2214. **Li CH, Tseng LF, Yamashiro D:** beta-Endorphin: complete primary structure is required for full analgesic activity. Biochem Biophys Res Commun 85(2):795–800, 29 Nov 78
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ ANIMAL/ BEHAVIOR, ANIMAL, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ENDORPHINS/ ENDORPHINS, pharmacodynamics/ MALE/ MICE/ MICE, INBRED AKR/ PEPTIDE FRAGMENTS/ STRUCTURE-ACTIVITY RELATIONSHIP

2215. **Li CH:** Psychopharmacologically significant peptides. Psychopharmacol Bull 15(1):52, Jan 79
ANIMAL/ CATS/ *ENDORPHINS, pharmacodynamics/ GUINEA PIGS/ HAMSTERS/ IN VITRO/ MICE/ *PSYCHOTROPIC DRUGS/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2216. **Li E, Kornfeld S:** Structural studies of the major high mannose oligosaccharide units from Chinese hamster ovary cell glycoproteins. J Biol Chem 254(5):1600–5, 10 Mar 79
ANIMAL/ CARBOHYDRATES, analysis/ CELL LINE/ *GLYCOPROTEINS/ GLYCOPROTEINS, isolation & purification/ HAMSTERS/ MANNOSE, analysis/ MOLECULAR CONFORMATION/ *OLIGOSACCHARIDES/ OLIGOSACCHARIDES, isolation & purification/ *OVARY, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2217. **Liang CT, Takenawa T, Sacktor B:** Potentiation of GTP of hormone-responsive adenylate cyclase in renal cortex plasma membrane preparations. Biochem Biophys Res Commun 85(4):1440–5, 29 Dec 78
*ADENYL CYCLASE, metabolism/ ANIMAL/ CELL MEMBRANE, enzymology/ ENZYME ACTIVATION, drug effects/ EPINEPHRINE, pharmacodynamics/ GLUCAGON, pharmacodynamics/ *GUANOSINE TRIPHOSPHATE, pharmacodynamics/ *KIDNEY CORTEX, enzymology/ *KIDNEY TUBULES, PROXIMAL, enzymology/ KINETICS/ MALE/ *PARATHYROID HORMONE, pharmacodynamics/ *PROSTAGLANDINS E, pharmacodynamics/ RABBITS

2218. **Licata AA, Au WY, Vera J, et al:** Effects of prostaglandin E1 on the metabolism in rat parathyroid gland in vitro. Biochim Biophys Acta 582(1):59–66, 4 Jan 79
AMINO ACIDS, metabolism/ ANIMAL/ CYTOCHALASIN B, pharmacodynamics/ FUCOSE, metabolism/ GLYCOPROTEINS, secretion/ HYDROCORTISONE, pharmacodynamics/ MALE/ NUCLEIC ACID PRECURSORS, metabolism/ ORGAN CULTURE/ *PARATHYROID GLANDS, drug effects/ PARATHYROID GLANDS, metabolism/ PARATHYROID HORMONE, secretion/ *PROSTAGLANDINS E, SYNTHETIC, pharmacodynamics/ RATS

2219. **Licht P:** Studies on the immunochemical relatedness among tetrapod gonadotropins and their subunits with antisera to sea turtle hormones. Gen Comp Endocrinol 36(1):68–78, Sep 78
ALLIGATORS AND CROCODILES/ ANIMAL/ ANTIGEN-ANTIBODY REACTIONS/ BIRDS/ CATTLE/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, IMMUNOLOGIC/ *FSH, immunology/ HUMAN/ IMMUNE SERUMS/ *LH, immunology/ PEPTIDE FRAGMENTS, immunology/ SHEEP/ SNAKES/ TESTIS, metabolism/ *TURTLES, immunology/ UNITED STATES GOV'T SUPPORTED

2220. **Lichten EM:** Estrogen and alternative therapy of the menopausal patient. Primary Care 5(4):607–14, Dec 78
BELLADONNA ALKALOIDS, therapeutic use/ *CLIMACTERIC/ ESTROGENS, adverse effects/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ *MENOPAUSE/ MIDDLE AGE/ PHENOBARBITAL, therapeutic use/ *PROGESTATIONAL HORMONES, therapeutic use/ TESTOSTERONE, therapeutic use

2221. **Lichtwald K, Connolly TM, Kohl KH, et al:** Compounds in the urinary pH 1 extract reacting with corticosteroid and tetrahydrocorticosteroid antisera. Separation of a nonpolar substance with affinity to a tetrahydroaldosterone antiserum. Klin Wochenschr 56 Suppl 1:169–72, 1978
*ADRENAL CORTEX HORMONES, immunology/ *ALDOSTERONE, analogs & derivatives/ ALDOSTERONE, immunology/ *ALDOSTERONE, urine/ *ANTIBODIES/ CORTISONE, immunology/ CORTODOXONE, analysis/ CORTODOXONE, immunology/ DESOXYCORTICOSTERONE, analogs & derivatives/ DESOXYCORTICOSTERONE, immunology/ FEMALE/ GLUCURONATES, immunology/ GLUCURONATES, urine/ HUMAN/ HYDROGEN-ION CONCENTRATION/ PREGNANCY/ PREGNANOLONE, immunology/ RADIOIMMUNOASSAY/ TETRAHYDROCORTISOL, immunology

2222. **Liddle GW:** An appreciation of Professor Franz Gross on the twentieth anniversary of the publication of his concept of the interrelationships between aldosterone and renin. Klin Wochenschr 56 Suppl 1:3–4, 1978
ALDOSTERONE, history/ *ALDOSTERONE, physiology/ ANGIOTENSIN II, chemical synthesis/ ANIMAL/ GERMANY/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ PHYSIOLOGY, history/ RENIN, history/ *RENIN, physiology

2223. **Lieberman ME, Maurer RA, Gorski J:** Estrogen control of prolactin synthesis in vitro. Proc Natl Acad Sci USA 75(12):5946–9, Dec 78
ANDROGENS, pharmacodynamics/ CELLS, CULTURED/ CORTICOSTERONE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ FEMALE/ KINETICS/ *PITUITARY GLAND, ANTERIOR, metabolism/

PROGESTERONE, pharmacodynamics/ *PROLACTIN, biosynthesis/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2224. **Liebermann D, Sachs L:** Co-regulation of type C RNA virus production and cell differentiation in myeloid leukemic cells. Cell 15(3):823-35, Nov 78
*C-TYPE VIRUSES, growth & development/ *CELL DIFFERENTIATION, drug effects/ CELL LINE/ COLONY-STIMULATING FACTOR, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ INTERFERON, pharmacodynamics/ *LEUKEMIA, EXPERIMENTAL, pathology/ LEUKEMIA, MYELOBLASTIC, pathology/ MURAMIDASE, metabolism/ REVERSE TRANSCRIPTASE, metabolism/ ROSETTE FORMATION/ VIRAL PROTEINS, biosynthesis/ VIRUS REPLICATION, drug effects

2225. **Liebich HM:** Massenspektometrie und kombinierte Techniken in Medizin, Klinischer Chemie und Klinischer Biochemie. J Clin Chem Clin Biochem 16(12):677-86, Dec 78 (Eng. Abstr.) **(Ger)**
BIOCHEMISTRY, methods/ CHEMISTRY, CLINICAL, methods/ ENGLISH ABSTRACT/ HORMONES, analysis/ *MASS FRAGMENTOGRAPHY, methods/ METABOLISM/ PHARMACOLOGY, methods/ *SPECTRUM ANALYSIS, MASS, methods/ TOXICOLOGY, methods

2226. **Lieskovsky G, Bruchovsky N:** Assay of nuclear androgen receptor in human prostate. J Urol 121(1):54-8, Jan 79
AGED/ CELL NUCLEUS, ultrastructure/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ PROSTATE, metabolism/ *PROSTATE, ultrastructure/ *PROSTATIC HYPERTROPHY, metabolism/ *PROSTATIC NEOPLASMS, metabolism/ PROSTATIC NEOPLASMS, ultrastructure/ *RECEPTORS, ANDROGEN, isolation & purification/ *RECEPTORS, STEROID, isolation & purification

2227. **Liggins GC:** Ripening of the cervix. Semin Perinatol 2(3):261-71, Jul 78 (56 ref.)
ANIMAL/ CERVIX UTERI, anatomy & histology/ *CERVIX UTERI, physiology/ ESTROGENS, physiology/ FEMALE/ HUMAN/ LABOR, INDUCED/ *PREGNANCY/ PROSTAGLANDINS E, physiology/ PROSTAGLANDINS F, physiology/ PROSTAGLANDINS, physiology/ PROSTAGLANDINS, therapeutic use/ RELAXIN, physiology/ REVIEW

2228. **Lijnen PJ, Amery AK, Fagard RH, et al:** The effects of beta-adrenoceptor blockade on renin, angiotensin, aldosterone and catecholamines at rest and during exercise. Br J Clin Pharmacol 7(2):175-81, Feb 79
ADULT/ ALDOSTERONE, blood/ ANGIOTENSIN II, blood/ COMPARATIVE STUDY/ EPINEPHRINE, blood/ EXERTION/ FEMALE/ HUMAN/ MALE/ *METOPROLOL, pharmacodynamics/ NOREPINEPHRINE, blood/ PLACEBOS/ *PROPANOLAMINES, pharmacodynamics/ RENIN, blood/ REST

2229. **Lim HW, Bystryn JC:** Evaluation and management of diseases of the vulva: bullous diseases. Clin Obstet Gynecol 21(4):1007-22, Dec 78
DERMATITIS HERPETIFORMIS/ DIAGNOSIS, DIFFERENTIAL/ ERYTHEMA MULTIFORME, diagnosis/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HERPES GESTATIONIS/ HUMAN/ PEMPHIGUS, diagnosis/ PEMPHIGUS, drug therapy/ PEMPHIGUS, pathology/ PREDNISONE/ PREGNANCY/ *SKIN DISEASES, BULLOUS/ SKIN, pathology/ VULVA, pathology/ *VULVAR DISEASES/ VULVAR DISEASES, diagnosis/ VULVAR DISEASES, drug therapy/ VULVAR DISEASES, pathology

2230. **Lim VS, Kathpalia SC, Henriquez C:** Endocrine abnormalities associated with chronic renal failure. Med Clin North Am 62(6):1341-61, Nov 78 (75 ref.)
ADRENAL CORTEX, physiopathology/ *ENDOCRINE DISEASES, etiology/ FEMALE/ FSH, blood/ GALACTORRHEA, etiology/ GYNECOMASTIA, etiology/ HUMAN/ HYPERGLYCEMIA, etiology/ HYPOGLYCEMIA, etiology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ *KIDNEY FAILURE, CHRONIC, complications/ KIDNEY FAILURE, CHRONIC, physiopathology/ LH, blood/ MALE/ MENSTRUATION DISORDERS, etiology/ OVARY, physiopathology/ REVIEW/ SEX MATURATION/ SOMATOTROPIN, metabolism/ STERILITY, MALE, etiology/ TESTIS, physiopathology/ TESTOSTERONE, blood/ THYROID GLAND, physiopathology

2231. **Limas CJ:** Calcium transport ATPase of cardiac sarcoplasmic reticulum in experimental hyperthyroidism. Am J Physiol 235(6):H745-52, Dec 78
*ADENOSINE TRIPHOSPHATASE, CALCIUM, metabolism/ ANIMAL/ CALCIUM, metabolism/ FATTY ACIDS, analysis/ HYPERTHYROIDISM, chemically induced/ *HYPERTHYROIDISM, enzymology/ LIPIDS, analysis/ LIPIDS, metabolism/ MALE/ *MYOCARDIUM, enzymology/ RATS/ *SARCOPLASMIC RETICULUM, enzymology/ THYROXINE, adverse effects

2232. **Limbird TJ, Ruderman RJ:** Fat embolism in children. Clin Orthop (136):267-9, Oct 78
CASE REPORT/ CHILD/ EMBOLISM, FAT, complications/ *EMBOLISM, FAT, etiology/ EMBOLISM, FAT, radiography/ HUMAN/ MALE/ OSTEOPOROSIS, complications/ TIBIAL FRACTURES, complications

2233. **Lin MT, Chern YF, Chern SI:** The effects of brain monoamine depletion on p-chlorophenyl-alanine-induced hypothermia. Experientia 34(12):1595-6, 15 Dec 78
*P-CHLOROPHENYLALANINE, pharmacodynamics/ ANIMAL/ *BODY TEMPERATURE, drug effects/ *BRAIN CHEMISTRY, drug effects/ HYDROXYDOPAMINE, pharmacodynamics/ MALE/ RATS/ SEROTONIN, metabolism/ *SEROTONIN, physiology/ 5,6-DIHYDROXYTRYPTAMINE, pharmacodynamics

2234. **Lin MT, Estergreen VL, Moss GE, et al:** The in vivo metabolites of [14C] progesterone in bovine muscle and adipose tissue. Steroids 32(5):547-61, Dec 78
*ADIPOSE TISSUE, metabolism/ ANIMAL/ *CATTLE, metabolism/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ CRYSTALLIZATION/ FEMALE/ HYDROXYLATION/ MALE/ MEAT, analysis/ *MUSCLES, metabolism/ PREGNANEDIONES, metabolism/ *PROGESTERONE, metabolism/ SPECTRUM ANALYSIS, MASS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2235. **Lin MT, Chow CF, Chern YF:** The effects of a decarboxylase inhibitor, benserazide, on both thermoregulation and chlorpromazine-induced hypothermia in rats. J Pharm Pharmacol 30(12):759-61, Dec 78
ANIMAL/ *BENSERAZIDE, pharmacodynamics/ *BODY TEMPERATURE REGULATION, drug effects/ BODY TEMPERATURE, drug effects/ BRAIN CHEMISTRY, drug effects/ *CHLORPROMAZINE, pharmacodynamics/ *HYDRAZINES, pharmacodynamics/ MALE/ RATS/ SEROTONIN, metabolism/ TIME FACTORS

2236. **Lin MT, Chow CF, Chern YF, et al:** Elevating serotonin levels in brain with 5-hydroxytryptophan produces hypothermia in rats. Pfluegers Arch 377(3):245-9, 30 Nov 78
ANIMAL/ BENSERAZIDE, pharmacodynamics/ *BODY TEMPERATURE REGULATION, drug effects/ BRAIN, drug effects/ *BRAIN, metabolism/ *HYDROXYTRYPTOPHAN, pharmacodynamics/ MALE/ RATS/ SEROTONIN, metabolism/ *SEROTONIN, physiology

2237. **Lin MT:** Effects of brain serotonin alterations on prostaglandin E1-induced bradycardia in rats. J Pharmacol Exp Ther 208(2):232-5, Feb 79
P-CHLOROPHENYLALANINE, pharmacodynamics/ ANIMAL/ BENSERAZIDE, pharmacodynamics/ BLOOD PRESSURE, drug effects/ BRAIN, drug effects/ BRAIN, metabolism/ *BRAIN, physiology/ DRUG INTERACTIONS/ *HEART RATE, drug effects/ HYDROXYTRYPTOPHAN, pharmacodynamics/ MALE/ *PROSTAGLANDINS E, pharmacodynamics/ RATS/ SEROTONIN, metabolism/ *SEROTONIN, physiology/ 5,7-DIHYDROXYTRYPTAMINE, pharmacodynamics

2238. **Lin SR, Bryson MM, Gobien R, et al:** Neuroradiologic study

of hamartomas of the tuber cinereum and hypothalamus. Neuroradiology 16:17–9, 1978
AGE FACTORS/ BRAIN NEOPLASMS, complications/ *BRAIN NEOPLASMS, radiography/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HAMARTOMA, complications/ *HAMARTOMA, radiography/ HUMAN/ *HYPOTHALAMUS, radiography/ MALE/ PUBERTY, PRECOCIOUS, etiology/ TUBER CINEREUM, radiography

2239. **Lin T:** Plasma cyclic nucleotide levels in hyperthyroidism. Acta Endocrinol (Copenh) 90(1):62–8, Jan 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ ADULT/ AGED/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ HUMAN/ *HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, drug therapy/ MALE/ MIDDLE AGE/ POTASSIUM IODIDE, therapeutic use/ PROPYLTHIOURACIL, therapeutic use/ THYROXINE, blood/ TRIIODOTHYRONINE, blood/ UNITED STATES GOV'T SUPPORTED

2240. **Lin YC, Bullock LP, Bardin CW, et al:** Effect of medroxyprogesterone acetate and testosterone on solubilized RNA polymerases and chromatin template activity in kidney from normal and androgen-insensitive (Tfm/Y) mice. Biochemistry 17(22):4833–8, 31 Oct 78
ANIMAL/ CELL NUCLEUS, drug effects/ CELL NUCLEUS, enzymology/ CHROMATIN, drug effects/ *CHROMATIN, metabolism/ COMPARATIVE STUDY/ DRUG RESISTANCE/ ENZYME ACTIVATION/ FEMALE/ *KIDNEY, metabolism/ KINETICS/ *MEDROXYPROGESTERONE, pharmacodynamics/ MICE/ RNA POLYMERASE I, metabolism/ RNA POLYMERASE II, metabolism/ RNA POLYMERASE III, metabolism/ RNA POLYMERASES, isolation & purification/ *RNA POLYMERASES, metabolism/ *TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2241. **Linch DC, Ross EJ:** Thyrotrophin-releasing-hormone test in phaeochromocytoma [letter] Lancet 1(8109):210, 27 Jan 79
*ADRENAL GLAND NEOPLASMS, diagnosis/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ DIAGNOSTIC ERRORS/ FEMALE/ HUMAN/ HYPERTHYROIDISM, diagnosis/ MALE/ MIDDLE AGE/ *PHEOCHROMOCYTOMA, diagnosis/ *THYROTROPIN RELEASING HORMONE, diagnostic use

2242. **Linde A, Granström G:** Odontoblast alkaline phosphatases and Ca2+ transport. J Biol Buccale 6(4):293–308, Dec 78
ADENOSINE TRIPHOSPHATASE, CALCIUM, antagonists & inhibitors/ ADENOSINE TRIPHOSPHATASE, CALCIUM, isolation & purification/ ADENOSINE TRIPHOSPHATASE, CALCIUM, metabolism/ ALKALINE PHOSPHATASE, antagonists & inhibitors/ ALKALINE PHOSPHATASE, isolation & purification/ ALKALINE PHOSPHATASE, metabolism/ *ALKALINE PHOSPHATASE, physiology/ *CALCIFICATION, PHYSIOLOGIC/ *CALCIUM, metabolism/ COMPARATIVE STUDY/ ENAMEL ORGAN, enzymology/ ISOENZYMES, physiology/ MICROSOMES, enzymology/ *ODONTOBLASTS, enzymology/ ODONTOBLASTS, ultrastructure

2243. **Linden RJ:** Neurocirculatory control of sodium and water excretion. pp. 191–203.
In: Dickinson CJ, Marks J, ed. Developments in cardiovascular medicine. Lancaster, Eng., MTP Press, 1978. WG 100.3 D489 1978.
ANESTHESIA/ ANIMAL/ CAROTID SINUS, innervation/ DIURESIS/ DOGS/ *HEART ATRIUM, innervation/ *KIDNEY, innervation/ MONOGRAPH/ NERVE FIBERS, physiology/ NEURAL PATHWAYS/ NEURONS, EFFERENT, physiology/ PRESSORECEPTORS, physiology/ RECEPTORS, SENSORY, physiology/ *SODIUM, urine/ *URINE/ VAGUS NERVE, physiology/ VASOPRESSINS, physiology

2244. **Linder F:** Die Stellung der Chirurgie in der neuzeitlichen Krebs-Therapie. Langenbecks Arch Chir 347:435–48, Nov 78 (Eng. Abstr.) **(Ger)**
ADULT/ BREAST NEOPLASMS, surgery/ CANCER CARE FACILITIES/ CHILD/ COLONIC NEOPLASMS, surgery/ EDUCATION, MEDICAL, CONTINUING/ ENGLISH ABSTRACT/ FEMALE/ GERMANY, WEST/ HUMAN/ KIDNEY NEOPLASMS, surgery/ MEDICAL ONCOLOGY, education/ METHODS/ NEOPLASMS, diagnosis/ *NEOPLASMS, surgery/ NEPHROBLASTOMA, surgery/ PAIN, INTRACTABLE, surgery/ PALLIATIVE TREATMENT/ PRECANCEROUS CONDITIONS, surgery/ RESEARCH/ STOMACH NEOPLASMS, surgery/ SURGERY, education/ THYROID NEOPLASMS, surgery

2245. **Lindergård B, Lindholm T, Sandström S:** The evolution of bone disease in patients on RDT for 10 years or more. Proc Eur Dial Transplant Assoc 15:639–41, 1978
BONE AND BONES, radiography/ *BONE DISEASES, etiology/ BONE DISEASES, radiography/ DENSITOMETRY, X-RAY/ FEMALE/ FOLLOW-UP STUDIES/ *HEMODIALYSIS, adverse effects/ HUMAN/ MALE

2246. **Lindgren U:** alpha25 Dihydroxyvitamin D--a new tool in medicine [editorial] Acta Med Scand 205(1–2):1–2, 1979
*BONE DISEASES, drug therapy/ DIHYDROXYCHOLECALCIFEROLS, biosynthesis/ *DIHYDROXYCHOLECALCIFEROLS, therapeutic use/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, therapeutic use

2247. **Lindholm J, Fabricius-Bjerre N, Bahnsen M, et al:** Sex steroids and sex-hormone binding globulin in males with chronic alcoholism. Eur J Clin Invest 8(5):273–6, Oct 78
ADULT/ *ALCOHOLISM, blood/ ALCOHOLISM, pathology/ ALCOHOLISM, physiopathology/ HUMAN/ LIVER, pathology/ MALE/ MIDDLE AGE/ SEX HORMONE BINDING GLOBULIN, blood/ *SEX HORMONES, blood/ SPERMATOGENESIS/ STANOLONE, blood/ TESTIS, pathology/ TESTIS, physiopathology/ TESTOSTERONE, blood

2248. **Lindholm J, Fabricius-Bjerre N, Bahnsen M, et al:** Pituitary-testicular function in patients with chronic alcoholism. Eur J Clin Invest 8(5):269–72, Oct 78
ALCOHOLISM, blood/ ALCOHOLISM, pathology/ *ALCOHOLISM, physiopathology/ FSH, blood/ HUMAN/ LIVER, pathology/ LH, blood/ MALE/ *PITUITARY GLAND, physiopathology/ PROLACTIN, blood/ SPERMATOGENESIS/ TESTIS, pathology/ *TESTIS, physiopathology/ TESTOSTERONE, blood

2249. **Lindholm TS, Sevastikoglou JA:** The effect of 1alpha-hydroxycholecalciferol on the healing of experimental fractures in adult rats. Acta Orthop Scand 49(6):485–91, Dec 78
ANIMAL/ BODY WEIGHT, drug effects/ CALCIUM, blood/ DRUG SCREENING/ *FRACTURES, drug therapy/ HYDROXYCHOLECALCIFEROLS, administration & dosage/ *HYDROXYCHOLECALCIFEROLS, therapeutic use/ MALE/ ORGAN WEIGHT, drug effects/ RATS/ TIBIA, drug effects/ TIBIAL FRACTURES, drug therapy/ *WOUND HEALING, drug effects

2250. **Lindsay R, Aitken JM, Hart DM, et al:** The effect of ovarian sex steroids on bone mineral status in the oöphorectomized rat and in the human. Postgrad Med J 54(2):50–8, 1978
ANIMAL/ BONE AND BONES, drug effects/ *BONE AND BONES, metabolism/ *CASTRATION/ CASTRATION, adverse effects/ FEMALE/ FEMUR, metabolism/ HUMAN/ LUMBAR VERTEBRAE, metabolism/ MENOPAUSE, drug effects/ *MESTRANOL, pharmacodynamics/ *MINERALS, metabolism/ OSTEOPOROSIS, etiology/ OSTEOPOROSIS, prevention & control/ *PROGESTATIONAL HORMONES, SYNTHETIC, pharmacodynamics/ RATS

2251. **Lindsey GG, Brown G, Purves LR:** Calcium binding to human fibrinogen - localization of two calcium specific sites. Thromb Res 13(3):345–50, Sep 78
BINDING SITES/ *CALCIUM, metabolism/ CHEMISTRY/ FIBRIN FIBRINOGEN DEGRADATION PRODUCTS, metabolism/ *FIBRINOGEN, metabolism/ HUMAN

2252. **Lineberry MD, Waite LC:** Carbonic anhydrase, cyclic AMP, and the phosphaturia of parathyroid hormone. Biochem Med 20(2):208–18, Oct 78
ACETAZOLAMIDE, pharmacodynamics/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,

pharmacodynamics/ ANIMAL/ *CARBONIC ANHYDRASE, metabolism/ COMPARATIVE STUDY/ ERYTHROCYTES, enzymology/ FEMALE/ KIDNEY CORTEX, drug effects/ *KIDNEY CORTEX, enzymology/ ORGAN SPECIFICITY/ *PARATHYROID HORMONE, pharmacodynamics/ *PHOSPHATES, urine/ RATS

2253. **Lingwood B, Hardy KJ, Horacek I, et al:** The effects of antidiuretic hormone on urine flow and composition in the chronically-cannulated ovine fetus. Q J Exp Physiol 63(4):315-30, Oct 78
ANIMAL/ CATHETERIZATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ *FETUS, physiology/ GESTATIONAL AGE/ INFUSIONS, PARENTERAL/ *KIDNEY, physiology/ PREGNANCY/ *SHEEP, physiology/ *URINE, physiology/ *VASOPRESSINS, pharmacodynamics

2254. **Link HB, Rösen R, Schrör K:** Prostacyclin: a potent coronary dilating agent in the rat isolated heart [proceedings] J Physiol (Lond) 284:106P-107P, Nov 78
ANIMAL/ BLOOD PRESSURE, drug effects/ HEART RATE, drug effects/ *HEART, drug effects/ HEART, physiology/ IN VITRO/ MYOCARDIAL CONTRACTION, drug effects/ OXYGEN CONSUMPTION, drug effects/ *PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RATS

2255. **Linkola J:** Alcohol and hypertension [letter] N Engl J Med 300(12):680, 22 Mar 79
*ALCOHOL, ETHYL, pharmacodynamics/ ALCOHOLIC INTOXICATION, physiopathology/ ALCOHOLISM, complications/ *BLOOD PRESSURE, drug effects/ HUMAN/ *HYPERTENSION, etiology/ RENIN, blood

2256. **Linnoila RI, DiAugustine RP, Miller RJ, et al:** An immunohistochemical and radioimmunological study of the distribution of [met5]- and [leu5]-enkephalin in the gastrointestinal tract. Neuroscience 3(12):1187-96, 1978
ANIMAL/ *ENDORPHINS, metabolism/ ENKEPHALINS, analysis/ *ENKEPHALINS, metabolism/ GASTROINTESTINAL SYSTEM, analysis/ *GASTROINTESTINAL SYSTEM, metabolism/ GUINEA PIGS/ HAMSTERS/ IMMUNOENZYME TECHNICS/ MALE/ RADIOIMMUNOASSAY/ RATS

2257. **Linquette M, Lefebvre J, Fourlinnie JC, et al:** Le syndrome de basse triiodothyronine. Recrutement--concentration plasmatique de la T.S.H. Ann Endocrinol (Paris) 39(4):303-12, Jul-Aug 78 (Eng. Abstr.) **(Fre)**
AGED/ ANOREXIA NERVOSA, blood/ ENGLISH ABSTRACT/ FASTING/ HUMAN/ KIDNEY FAILURE, CHRONIC, blood/ LIVER CIRRHOSIS, blood/ NEOPLASMS, blood/ SYNDROME/ *THYROTROPIN, blood/ THYROXINE, blood/ *TRIIODOTHYRONINE, blood

2258. **Liotta AS, Li CH, Schussler GC, et al:** Comparative metabolic clearance rate, volume of distribution and plasma half-life of human beta-lipotropin and ACTH. Life Sci 23(23):2323-30, 4 Dec 78
ADULT/ CHROMATOGRAPHY, GEL/ COMPARATIVE STUDY/ CORTICOTROPIN, blood/ *CORTICOTROPIN, metabolism/ HALF-LIFE/ HUMAN/ KINETICS/ LIPOTROPIN, blood/ *LIPOTROPIN, metabolism/ MALE/ METABOLIC CLEARANCE RATE/ RADIOIMMUNOASSAY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2259. **Lipák J, Kiss J, Kiss K, et al:** Fahr-betegségben észlelt depressio. Orv Hetil 119(52):3195-8, 24 Dec 78 **(Hun)**
CALCINOSIS, complications/ *CALCINOSIS, psychology/ CALCINOSIS, radiography/ CASE REPORT/ CEREBRAL ANGIOGRAPHY/ CEREBROVASCULAR DISORDERS, complications/ *CEREBROVASCULAR DISORDERS, psychology/ CEREBROVASCULAR DISORDERS, radiography/ *DEPRESSION, etiology/ FEMALE/ HUMAN/ HYPERCALCEMIA, complications/ MIDDLE AGE/ PNEUMOENCEPHALOGRAPHY/ SYNDROME

2260. **Lippiello L, Yamamoto K, Robinson D, et al:** Involvement of prostaglandins from rheumatoid synovium in inhibition of articular cartilage metabolism. Arthritis Rheum 21(8):909-17, Nov-Dec 78
ANIMAL/ *ARTHRITIS, RHEUMATOID, metabolism/ *CARTILAGE, ARTICULAR, metabolism/ HUMAN/ INDOMETHACIN, pharmacodynamics/ *PROSTAGLANDINS, physiology/ PROTEOGLYCANS, biosynthesis/ RABBITS/ *SYNOVIAL MEMBRANE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2261. **Lisá L, Spičáková V:** Vzácnější formy syndromu kongenitální hyperplazie kury nadledvin. Cesk Pediatr 33(10):603-5, Oct 78 (Eng. Abstr.) **(Cze)**
*ADRENAL GLAND HYPERFUNCTION, diagnosis/ ADRENOGENITAL SYNDROME, diagnosis/ ADULT/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ STEIN-LEVENTHAL SYNDROME, diagnosis

2262. **Lisker R, Jiménez R, Larrea F, et al:** Cytogenetic and endocrine studies in a 45,X female subject with spontaneous sexual development. Am J Obstet Gynecol 133(2):149-53, 15 Jan 79
ADOLESCENCE/ CASE REPORT/ CHROMOSOME BANDING/ CLOMIPHENE, pharmacodynamics/ FEMALE/ *FSH, blood/ HUMAN/ KARYOTYPING/ *LH, blood/ LH-FSH RELEASING HORMONE, diagnostic use/ OVULATION INDUCTION/ *PITUITARY GLAND, ANTERIOR, physiopathology/ *SEX CHROMOSOMES/ TURNER'S SYNDROME, blood/ *TURNER'S SYNDROME, familial & genetic/ TURNER'S SYNDROME, physiopathology/ *X CHROMOSOME

2263. **Liskova-Kiar M, Proschek L:** Influence of partially purified extracts of Solanum malacoxylon on bone resorption in organ culture. Calcif Tissue Res 26(1):39-45, 10 Nov 78
BONE AND BONES, cytology/ BONE AND BONES, metabolism/ *BONE RESORPTION, drug effects/ CALCIUM, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ MICE/ ORGAN CULTURE/ OSTEOCLASTS, drug effects/ *SOLANACEOUS ALKALOIDS, pharmacodynamics

2264. **Litorowicz A, Malofiejew M:** Kininases and converting enzyme in human placenta. Biochem Pharmacol 27(24):2829-34, 1978
BRADYKININ, metabolism/ *CARBOXYPEPTIDASES, metabolism/ CHROMATOGRAPHY, GEL/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ KININASE I, antagonists & inhibitors/ *KININASE I, metabolism/ *KININASE II, metabolism/ MOLECULAR WEIGHT/ *PLACENTA, enzymology/ PREGNANCY/ SUBCELLULAR FRACTIONS, enzymology

2265. **Litskevich LA, Dokshina GA, Korobeĭnikova AI:** Izmenenie urovnia 11-oksikortikosteroidov i aktivnosti 11 beta-oksisteroiddegidrogenazy u krys pri gamma-neĭtronnom obluchenii. Radiobiologiia 18(6):887-90, Nov-Dec 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ ENGLISH ABSTRACT/ ENZYME ACTIVATION, radiation effects/ GAMMA RAYS/ *HYDROXYSTEROID DEHYDROGENASES, radiation effects/ LIVER, radiation effects/ LYMPH NODES, radiation effects/ MALE/ *NEUTRONS/ RATS/ SPLEEN, radiation effects/ THYMUS GLAND, radiation effects/ TIME FACTORS/ *11-HYDROXYCORTICOSTEROIDS, radiation effects

2266. **Litten RZ 3d, Solaro RJ, Ford GD:** Nature of the calcium regulatory system of bovine arterial actomyosin. Blood Vessels 16(1):26-34, 1979
ACTIN, metabolism/ *ACTOMYOSIN, metabolism/ ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL/ AORTA, THORACIC, metabolism/ *ARTERIES, metabolism/ BINDING, COMPETITIVE/ *CALCIUM, metabolism/ CALCIUM, physiology/ CATTLE/ MICROFILAMENTS, metabolism/ *MUSCLE, SMOOTH, metabolism/ MYOSIN, metabolism/ PROTEIN BINDING/ UNITED STATES GOV'T SUPPORTED

2267. **Little AB:** Endocrinologic aspects of oral contraception. J Reprod Med 21(5 Suppl):247-9, Nov 78
CARBOHYDRATES, metabolism/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ CONTRACEPTIVES, ORAL, COMBINED, adverse

effects/ *CONTRACEPTIVES, ORAL, COMBINED, pharmacodynamics/ FEMALE/ HUMAN/ LIPIDS, blood

2268. **Little HK, Crawford DB, Meister K:** Hematocolpos: diagnosis made by ultrasound. JCU 6(5):341–2, Oct 78
ADOLESCENCE/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ *HEMATOCOLPOS, diagnosis/ HUMAN/ OVARIAN CYSTS, diagnosis/ *ULTRASONICS, diagnostic use

2269. **Litvak AS, Rousseau TG, Wrede LD, et al:** The association of significant renal anomalies with Turner's syndrome. J Urol 120(6):671–2, Dec 78
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ *KIDNEY, abnormalities/ KIDNEY, radiography/ *TURNER'S SYNDROME, complications/ TURNER'S SYNDROME, radiography

2270. **Litwin SD:** Immunodeficiency with thymoma: failure to induce Ig production in immunodeficient lymphocytes cocultured with normal T cells. J Immunol 122(2):728–32, Feb 79
CELLS, CULTURED/ HUMAN/ *IMMUNOGLOBULINS, biosynthesis/ *IMMUNOLOGIC DEFICIENCY SYNDROMES, complications/ *LYMPHOCYTES, immunology/ POKEWEED MITOGENS, pharmacodynamics/ PREDNISOLONE, pharmacodynamics/ RABBITS/ *T-LYMPHOCYTES, immunology/ *THYMOMA, complications/ X-RAYS

2271. **Liukko P, Grönroos M, Satokari K, et al:** Pelvic angiography in the follow-up of chorioadenoma destruens. Ann Chir Gynaecol 67(4):147–9, 1978
ADULT/ ANGIOGRAPHY/ CASE REPORT/ CHORIOADENOMA, blood supply/ *CHORIOADENOMA, radiography/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ *PELVIS, blood supply/ PREGNANCY/ UTERINE NEOPLASMS, blood supply/ *UTERINE NEOPLASMS, radiography/ *UTERUS, blood supply

2272. **Livergant JE, Vladimirova AF, Lozinskaja IN:** Beurteilung der Effektivität der Radiojodtherapie der Thyreotoxikose nach Befunden der radioimmunologischen Bestimmung des thyreotropen Hypophysenhormons. Radiobiol Radiother (Berl) 19(5):632–6, Oct 78 (Eng. Abstr.) **(Ger)**
ENGLISH ABSTRACT/ HUMAN/ HYPERTHYROIDISM, blood/ *HYPERTHYROIDISM, radiotherapy/ *IODINE RADIOISOTOPES, therapeutic use/ *THYROTROPIN, blood

2273. **Livshits MA, Tsyrlina EV, Vasil'eva IA, et al:** Gprmonal'nyĭ status i klinicheskoe techenie raka iaichnikov. Akush Ginekol (Mosk) (12):29–31, Dec 78 (Eng. Abstr.) **(Rus)**
ENGLISH ABSTRACT/ *ESTROGENS, urine/ FEMALE/ FSH, blood/ HUMAN/ LH, blood/ MIDDLE AGE/ NEOPLASM RECURRENCE, LOCAL, urine/ *OVARIAN NEOPLASMS, urine/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine

2274. **Ljunghall S:** Incidence and natural history of renal stone disease and its relationship to calcium metabolism. Eur Urol 4(6):424–30, 1978
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ ADULT/ AGE FACTORS/ *CALCIUM, urine/ FEMALE/ HUMAN/ *KIDNEY CALCULI, occurrence/ KIDNEY CALCULI, urine/ MALE/ MIDDLE AGE/ SWEDEN

2275. **Llamas R:** Cambios en la lipólisis basal y en la lipólisis inducida por la adrenalina en adipocitos aislados del tejido graso epididimal de la rata, por efectos del 3'5' monofosfato ciclico de adenosina, dibutiril 3'5' monofosfato cíclico de adenosina y propranolol. Gac Med Mex 114(12):599–602, Dec 78 **(Spa)**
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ADIPOSE TISSUE, cytology/ *ADIPOSE TISSUE, drug effects/ ANIMAL/ EPIDIDYMIS/ EPINEPHRINE, pharmacodynamics/ *LIPID MOBILIZATION, drug effects/ MALE/ MAST CELLS, drug effects/ *PROPRANOLOL, pharmacodynamics/ RATS

2276. **Lloyd EL:** Treatment of accidental hypothermia [letter] Br Med J 1(6160):413–4, 10 Feb 79
AGED/ HEAT, therapeutic use/ HUMAN/ HYPOTHERMIA, etiology/ *HYPOTHERMIA, therapy/ RESEARCH DESIGN/ SHIVERING/ STEROIDS, therapeutic use

2277. **Locatelli V, Cocchi D, Bajusz S, et al:** Prolactin and growth hormone releasing activity of [D-Met2, Pro5]-enkephalinamide in the rat after systemic administration. Experientia 34(12):1650–1, 15 Dec 78
ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ENDORPHINS, pharmacodynamics/ ENKEPHALINS, administration & dosage/ *ENKEPHALINS, pharmacodynamics/ INJECTIONS, INTRAVENOUS/ MALE/ MORPHINE, pharmacodynamics/ *PROLACTIN, blood/ RATS/ *SOMATOTROPIN, blood

2278. **Lodi A, Monti D, Ravaglia G, et al:** Su di un caso con aspetto non usuale di assenza congenita della vagina (sindrome di Mayer-Rokitansky-Küster-Hauser). G Clin Med 59(9–10):409–13, Sep–Oct 78 **(Ita)**
ADULT/ CASE REPORT/ DWARFISM, familial & genetic/ FEMALE/ HUMAN/ KARYOTYPING/ *MOSAICISM/ SCOLIOSIS, familial & genetic/ SYNDROME/ *VAGINA, abnormalities

2279. **Lodi G, Biciotti M, Sacerdote M:** Osmoregulatory activity of prolactin in the skin of the crested newt. Gen Comp Endocrinol 36(1):7–15, Sep 78
ANIMAL/ CASTRATION/ COMPARATIVE STUDY/ ESTRADIOL, pharmacodynamics/ FEMALE/ HYPOPHYSECTOMY/ *NEWTS, physiology/ *PROLACTIN, pharmacodynamics/ *SALAMANDERS, physiology/ SEASONS/ *SKIN, metabolism/ THYROIDECTOMY/ THYROXINE, pharmacodynamics/ *WATER-ELECTROLYTE BALANCE/ 2-BROMOERGOCRYPTINE, pharmacodynamics

2280. **Loesch A, Danielewicz A, Borowicz JW:** Obraz mikroskopowo-elektronowy układu neurosekrecyjnego w zaburzeniach osmotycznych u szczura. Neuropatol Pol 16(4):473–86, Oct–Dec 78 (Eng. Abstr.) **(Pol)**
ANIMAL/ *DEHYDRATION, physiopathology/ ENGLISH ABSTRACT/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, ultrastructure/ HYPOTHALAMUS, secretion/ MALE/ RATS/ THALAMIC NUCLEI, secretion

2281. **Loewenstein WR:** Junctional intercellular communication and the control of growth. Biochim Biophys Acta 560(1):1–65, 4 Feb 79 (287 ref.)
ANIMAL/ BREAST NEOPLASMS, pathology/ CALCIUM, metabolism/ *CELL COMMUNICATION/ *CELL DIVISION/ CELL LINE/ CELL MEMBRANE PERMEABILITY/ CELL NUMBER/ CELL TRANSFORMATION, NEOPLASTIC/ CHROMOSOMES, HUMAN, physiology/ COMPARATIVE STUDY/ ELECTRIC CONDUCTIVITY/ EMBRYO, cytology/ FLUORESCEINS/ FLUORESCENCE/ HEPATOMA, pathology/ HUMAN/ HYBRID CELLS/ *INTERCELLULAR JUNCTIONS, physiology/ INTERCELLULAR JUNCTIONS, ultrastructure/ ION CHANNELS, physiology/ LIVER, cytology/ MODELS, BIOLOGICAL/ NEOPLASMS/ REVIEW/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2282. **Loewit K, Zambelis N:** Progesterone and 20alpha-hydroxysteroid-dehydrogenase regulation in the corpus luteum of the pregnant rat. Acta Endocrinol (Copenh) 90(1):176–84, Jan 79
ANIMAL/ CORPUS LUTEUM, drug effects/ *CORPUS LUTEUM, enzymology/ FEMALE/ FETAL RESORPTION, chemically induced/ HISTOCYTOCHEMISTRY/ IMMUNE SERUMS, pharmacodynamics/ IMMUNITY, PASSIVE/ LH, immunology/ PREGNANCY/ *PREGNANCY, ANIMAL, drug effects/ *PROGESTERONE, pharmacodynamics/ RATS/ *20-HYDROXYSTEROID DEHYDROGENASES, metabolism

2283. **Loftus MJ, Peterson LJ:** Delayed healing of mandibular fracture in idiopathic myxedema. Oral Surg 47(3):233–7, Mar 79
ANTIBODIES/ CASE REPORT/ *FRACTURES, UNUNITED, physiopathology/ HUMAN/ MALE/

*MANDIBULAR FRACTURES, physiopathology/ MIDDLE AGE/ MYXEDEMA, blood/ *MYXEDEMA, physiopathology/ THYROID GLAND, immunology/ THYROID HORMONES, physiology/ WOUND HEALING

2284. **Loh YP, Gainer H:** The role of glycosylation on the biosynthesis, degradation, and secretion of the ACTH-beta-lipotropin common precursor and its peptide products. FEBS Lett 96(2):269–72, 15 Dec 78
ANIMAL/ *CORTICOTROPIN, biosynthesis/ *GLYCOPROTEINS, metabolism/ HYDROLYSIS/ *LIPOTROPIN, biosynthesis/ PITUITARY GLAND, metabolism/ PROTEIN PRECURSORS, biosynthesis/ *PROTEIN PRECURSORS, metabolism/ PROTEIN PRECURSORS, secretion/ TUNICAMYCIN, pharmacodynamics/ XENOPUS

2285. **Lohmeier TE, Cowley AW Jr:** Hypertensive and renal effects of chronic low level intrarenal angiotensin infusion in the dog. Circ Res 44(2):154–60, Feb 79
*ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ BLOOD PRESSURE, drug effects/ CHRONIC DISEASE/ DOGS/ HEMATOCRIT/ *HYPERTENSION, RENAL, chemically induced/ INFUSIONS, PARENTERAL/ KIDNEY FUNCTION TESTS/ POTASSIUM, urine/ RENIN, blood/ SODIUM, urine/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2286. **Lokhandwala MF, Amelang E, Buckley JP:** Facilitation of cardiac sympathetic function by angiotensin II: role of presynaptic angiotensin receptors. Eur J Pharmacol 52(3–4):405–9, 1 Dec 78
*ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ BLOOD PRESSURE, drug effects/ DOGS/ FEMALE/ HEART RATE, drug effects/ *HEART, innervation/ MALE/ NOREPINEPHRINE, pharmacodynamics/ *RECEPTORS, ANGIOTENSIN, drug effects/ *RECEPTORS, HORMONE, drug effects/ *SYMPATHETIC NERVOUS SYSTEM, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2287. **Lomax MA, Baird GD, Symonds HW, et al:** Differences in the effect of glucose infusion on insulin and glucose production in lactating and non-lactating dairy cows [proceedings] Proc Nutr Soc 37(3):95A, Dec 78
ANIMAL/ *BLOOD SUGAR, metabolism/ CATTLE/ FEMALE/ GLUCOSE, metabolism/ *GLUCOSE, pharmacodynamics/ *INSULIN, blood/ *LACTATION/ LIVER, metabolism

2288. **Looga RIu, Vel'di AT, Iaĭgma MA:** Izmeneniia mestnogo krovotoka i napriazheniia kisloroda v golovnom mozge krolikov pri deĭstvii etilovogo alkogolia. Patol Fiziol Eksp Ter (5):70–1, Sep–Oct 78 (Eng. Abstr.) **(Rus)**
*ALCOHOL, ETHYL, pharmacodynamics/ *AMYGDALOID BODY, physiology/ ANIMAL/ *CEREBROVASCULAR CIRCULATION, drug effects/ ENGLISH ABSTRACT/ *OXYGEN CONSUMPTION, drug effects/ *PARIETAL LOBE, physiology/ RABBITS/ REGIONAL BLOOD FLOW, drug effects

2289. **Lopatkin NA, Gleizer YY, Marinbach AE:** Scintigraphy of the testes: a new method in the diagnosis of undescended testes. Int Urol Nephrol 10(4):305–12, 1978
ADOLESCENCE/ ADULT/ CASE REPORT/ CHILD/ *CRYPTORCHISM, radionuclide imaging/ HUMAN/ MALE/ MIDDLE AGE/ TECHNETIUM, diagnostic use

2290. **Lopez GA, Reid IA, Rose JC, et al:** Effect of norepinephrine on renin release and the cyclic AMP content of rat kidney slices: modification by sodium deficiency and alpha-adrenergic blockade. Neuroendocrinology 27(1–2):63–73, 1978
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ IN VITRO/ KIDNEY, drug effects/ *KIDNEY, metabolism/ KINETICS/ MALE/ *NOREPINEPHRINE, pharmacodynamics/ *PHENTOLAMINE, pharmacodynamics/ RATS/ *RENIN, metabolism/ *SODIUM, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2291. **Lopez-Novoa JM, Rengel MA, Hernando L:** Sodium excretion after bilateral adrenalectomy in rats with experimental cirrhosis. Experientia 34(12):1613–4, 15 Dec 78
*ADRENALECTOMY/ ALDOSTERONE, physiology/ ANIMAL/ *LIVER CIRRHOSIS, EXPERIMENTAL, metabolism/ MALE/ *NATRIURESIS/ RATS

2292. **Lopez-Ovejero JA, Weber MA, Drayer JI, et al:** Effects of indomethacin alone and during diuretic or beta-adrenoreceptor-blockade therapy on blood pressure and the renin system in essential hypertension. Clin Sci Mol Med 55 Suppl 4:203s–205s, Dec 78
ADULT/ BLOOD PRESSURE/ *DIURETICS, THIAZIDE, therapeutic use/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ *HYPERTENSION, drug therapy/ HYPERTENSION, physiopathology/ *INDOMETHACIN, therapeutic use/ MALE/ MIDDLE AGE/ *PROPRANOLOL, therapeutic use/ RENIN, blood

2293. **Lorenz G:** Adenomatoidtumor des Ovars und der Vagina. Zentralbl Gynaekol 100(21):1412–6, 1978 (Eng. Abstr.) **(Ger)**
*ADENOMA, pathology/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ *OVARIAN NEOPLASMS, pathology/ *VAGINAL NEOPLASMS, pathology

2294. **Lorenz R, Sharp R, Burr IM:** Effects of calcium, lanthanum, and bicarbonate ion on epinephrine modification of insulin release in vitro. Diabetes 28(1):52–5, Jan 79
ANIMAL/ *BICARBONATES, pharmacodynamics/ CALCIUM, metabolism/ *CALCIUM, physiology/ CELL MEMBRANE, metabolism/ *EPINEPHRINE, antagonists & inhibitors/ EPINEPHRINE, pharmacodynamics/ IN VITRO/ *INSULIN, secretion/ *ISLANDS OF LANGERHANS, secretion/ *LANTHANUM, pharmacodynamics/ MALE/ RATS

2295. **Lorenz R, Fuhrmann W:** Familial basal cell nevus syndrome. Hum Genet 44(2):153–63, 31 Oct 78
ADULT/ *BONE AND BONES, abnormalities/ *CARCINOMA, BASAL CELL, familial & genetic/ CASE REPORT/ *CYSTS, familial & genetic/ *EXOSTOSES, familial & genetic/ FEMALE/ *GENES, DOMINANT/ HUMAN/ *JAW DISEASES, familial & genetic/ PEDIGREE/ SYNDROME

2296. **Lotti VJ, Clineschmidt BV, Haubrich D, et al:** 6-Chloro-2(1-piperazinyl) quinoxaline (CPQ): action on serotonin-induced behavioral responses and interactions with chloromethamphetamine and dimethyl-meta-tyramine. Arch Int Pharmacodyn Ther 235(1):103–15, Sep 78
ANIMAL/ *BEHAVIOR, ANIMAL, drug effects/ BRAIN CHEMISTRY, drug effects/ *CHLORMETHAMPHETAMINE, pharmacodynamics/ DRUG INTERACTIONS/ FEMALE/ MALE/ *METHAMPHETAMINE, analogs & derivatives/ MOTOR ACTIVITY, drug effects/ MYOCARDIUM, metabolism/ NEURONS, metabolism/ *QUINOXALINES, pharmacodynamics/ RATS/ *SEROTONIN ANTAGONISTS, pharmacodynamics/ *SEROTONIN, pharmacodynamics/ *TYRAMINE, analogs & derivatives/ TYRAMINE, pharmacodynamics

2297. **Lotz W:** Biological activities and receptor affinities of some natural and synthetic oestrogens and their D-homo analogues. Experientia 34(10):1373–4, 15 Oct 78
ANIMAL/ CYTOSOL, metabolism/ ESTROGENS, metabolism/ *ESTROGENS, pharmacodynamics/ ESTROGENS, SYNTHETIC, metabolism/ *ESTROGENS, SYNTHETIC, pharmacodynamics/ FEMALE/ RATS/ *RECEPTORS, ESTROGEN, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ UTERUS, metabolism/ VAGINA, cytology/ *VAGINA, drug effects

2298. **Loveday BJ, Price JL:** Soft tissue radiography of the testes. Clin Radiol 29(6):685–9, Nov 78
ADOLESCENCE/ ADULT/ AGED/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ TESTICULAR DISEASES, radiography/ TESTICULAR NEOPLASMS, radiography/ *TESTIS, radiography

2299. **Lovely JR, Threlfall RJ:** Adenylate cyclase and cyclic AMP phosphodiesterase activity during the mitotic cycle of Physarum polycephalum. Biochem Biophys Res Commun 85(2):579–84, 29 Nov 78
*ADENYL CYCLASE, metabolism/ *MITOSIS/ *PHYSARUM, enzymology/ PHYSARUM, physiology/ SUBCELLULAR FRACTIONS,

enzymology/ *3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism

2300. **Low AW:** The patient's view of osteoporosis. Nurs Times 75(1):38–9, 4 Jan 79
CASE REPORT/ FEMALE/ HUMAN/ *OSTEOPOROSIS, diagnosis/ OSTEOPOROSIS, therapy

2301. **Löw M, Kisfaludy L, Sárközi M:** Zur Synthese von [Trp(1-But)9- und [Trp(2,5,7-But3)9]Corticotropin-(1--19)-nonadecapeptidami Hoppe Seylers Z Physiol Chem 360(1):1–7, Jan 79 (Eng. Abstr.) **(Ger)**
BIOLOGICAL ASSAY/ *CORTICOTROPIN, analogs & derivatives/ CORTICOTROPIN, chemical synthesis/ ENGLISH ABSTRACT/ METHODS/ OPTICAL ROTATION

2302. **Low PS:** Specific cation modulation of anion transport across the human erythrocyte membrane. Biochim Biophys Acta 514(2):264–73, 19 Dec 78
ANIONS/ BIOLOGICAL TRANSPORT, drug effects/ CALCIUM, metabolism/ *CALCIUM, pharmacodynamics/ CATIONS, pharmacodynamics/ *ERYTHROCYTE MEMBRANE, metabolism/ *ERYTHROCYTES, metabolism/ HUMAN/ HYDROGEN-ION CONCENTRATION/ KINETICS/ *MAGNESIUM, pharmacodynamics/ *SULFATES, metabolism/ *TETRACAINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2303. **Low TL, Thurman GB, McAdoo M, et al:** The chemistry and biology of thymosin. I. Isolation, characterization, and biological activities of thymosin alpha1 and polypeptide beta1 from calf thymus. J Biol Chem 254(3):981–6, 10 Feb 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ BIOLOGICAL ASSAY/ CATTLE/ MICE/ MOLECULAR WEIGHT/ *THYMOSIN/ THYMOSIN, isolation & purification/ THYMOSIN, pharmacodynamics/ THYMUS GLAND, analysis/ THYMUS GLAND, drug effects/ THYMUS GLAND, metabolism/ *THYMUS HORMONES/ THYMUS HORMONES, isolation & purification/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2304. **Lown B:** Sudden cardiac death: the major challenge confronting contemporary cardiology. Am J Cardiol 43(2):313–28, Feb 79 (106 ref.)
ADULT/ AGED/ ANIMAL/ ANTI-ARRHYTHMIA AGENTS, therapeutic use/ *ARRHYTHMIA, complications/ ARRHYTHMIA, drug therapy/ ARRHYTHMIA, etiology/ CLINICAL RESEARCH/ *DEATH, SUDDEN, etiology/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ EXERCISE TEST/ EXTRASYSTOLE, complications/ EXTRASYSTOLE, etiology/ *HEART ARREST/ HEART ARREST, prevention & control/ HEART CONDUCTION SYSTEM, physiopathology/ HUMAN/ MALE/ MIDDLE AGE/ *MYOCARDIAL INFARCTION, complications/ MYOCARDIAL INFARCTION, physiopathology/ MYOCARDIAL INFARCTION, psychology/ PARASYMPATHETIC NERVOUS SYSTEM, physiopathology/ REVIEW/ RISK/ SEROTONIN, physiology/ STRESS, PSYCHOLOGICAL, complications/ SYMPATHETIC NERVOUS SYSTEM, physiopathology/ TACHYCARDIA, PAROXYSMAL, complications/ TACHYCARDIA, PAROXYSMAL, etiology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VENTRICULAR FIBRILLATION, complications/ VENTRICULAR FIBRILLATION, etiology/ VENTRICULAR FIBRILLATION, therapy

2305. **Lubbe WF, McFadyen ML, Muller CA, et al:** Protective action of amiodarone against ventricular fibrillation in the isolated perfused rat heart. Am J Cardiol 43(3):533–40, Mar 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ AMIODARONE, pharmacodynamics/ *AMIODARONE, therapeutic use/ ANIMAL/ *BENZOFURANS, therapeutic use/ COMPARATIVE STUDY/ *CORONARY DISEASE, metabolism/ CORONARY VESSELS, surgery/ DEPRESSION, CHEMICAL/ HEART RATE, drug effects/ HEART, drug effects/ IN VITRO/ LIGATION/ MYOCARDIUM, analysis/ MYOCARDIUM, metabolism/ RATS/ *VENTRICULAR FIBRILLATION, drug therapy/ VENTRICULAR FIBRILLATION, prevention & control

2306. **Lucas JJ:** Effect of progesterone, estrogen withdrawal and secondary estrogen treatment of mannosylphosphoryldolichol synthesis in chick oviduct membranes. Biochim Biophys Acta 572(1):153–9, 29 Jan 79
ANIMAL/ CELL MEMBRANE, metabolism/ COMPARATIVE STUDY/ *DIETHYLSTILBESTROL, pharmacodynamics/ *DOLICHOL MONOPHOSPHATE MANNOSE, biosynthesis/ DOLICHOL PHOSPHATES, metabolism/ *DRUG WITHDRAWAL SYMPTOMS, metabolism/ FEMALE/ GUANOSINE DIPHOSPHATE MANNOSE, metabolism/ MANNOSE, metabolism/ MURAMIDASE, metabolism/ ORGAN WEIGHT/ *OVIDUCTS, metabolism/ *POLYISOPRENYL PHOSPHATE SUGARS, biosynthesis/ *PROGESTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2307. **Lucas PL, Rose NR:** Immunological consequences of vasectomy: I. Prospective study through one-year postvasecotomy. Arch Androl 1(3):249–55, May 78
ADULT/ AGE FACTORS/ AGGLUTININS, analysis/ ANTINUCLEAR FACTORS, analysis/ *AUTOANTIBODIES, analysis/ HUMAN/ MALE/ SPERM HEAD, immunology/ *SPERMATOZOA, immunology/ THYROGLOBULIN, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VASECTOMY

2308. **Ludens JH, Vaughn DA, Fanestil DD:** Stimulation of urinary acidification by aldosterone and inhibitors of RNA and protein synthesis. J Membr Biol 40 Spec No:199–211, 1978
ACTINOMYCIN, pharmacodynamics/ *ALDOSTERONE, pharmacodynamics/ ANIMAL/ *ANTIMETABOLITES, pharmacodynamics/ *BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ BUFO MARINUS/ CYCLOHEXIMIDE, pharmacodynamics/ *HYDROGEN, metabolism/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ PUROMYCIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ URINE, metabolism

2309. **Ludwig KS:** Morphologische Veränderungen an Tube und Endometrium unter dem Progestasertsystem. Gynaekol Rundsch 18(3–4):263–5, 1978 **(Ger)**
*ENDOMETRIUM, drug effects/ EPITHELIUM, drug effects/ *FALLOPIAN TUBES, drug effects/ FEMALE/ HUMAN/ *INTRAUTERINE DEVICES, MEDICATED/ *PROGESTERONE, pharmacodynamics

2310. **Lugnier C, Ilien B, Stoclet JC:** Variations in endogenous phosphodiesterase activator content of rat aorta. Eur J Pharmacol 53(1):109–12, 15 Dec 78
ANIMAL/ AORTA, metabolism/ *ARTERIES, metabolism/ BLOOD PRESSURE, drug effects/ CALCIUM, physiology/ DESOXYCORTICOSTERONE, pharmacodynamics/ DNA, metabolism/ ENZYME ACTIVATION/ HYPERTENSION, chemically induced/ HYPERTENSION, metabolism/ KINETICS/ MALE/ RATS/ *3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism/ *3',5'-CYCLIC GMP PHOSPHODIESTERASE, metabolism

2311. **Lundin PM, Hedman LA:** Influence of corticosteroids on lymphocyte recirculation. Lymphology 11(4):216–21, Dec 78
ADRENALECTOMY/ ANIMAL/ *BLOOD CIRCULATION, drug effects/ CELL SURVIVAL/ CORTICOSTERONE, blood/ EXERTION/ GUINEA PIGS/ *LYMPHATIC SYSTEM, physiology/ *LYMPHOCYTES, drug effects/ LYMPHOCYTES, physiology/ *PREDNISOLONE, pharmacodynamics/ RATS/ THYMECTOMY

2312. **Lundkvist O:** Morphological studies of the stromal changes after artificial induction of the decidual reaction in rats. Cell Tissue Res 194(2):287–96, 20 Nov 78
ANIMAL/ CELL DIFFERENTIATION/ ESTRADIOL, pharmacodynamics/ FEMALE/ OILS, pharmacodynamics/ PEANUTS/ RATS/ TIME FACTORS/ *UTERUS, anatomy & histology/ UTERUS, drug effects/ UTERUS, ultrastructure

2313. **Lundkvist O, Nilsson O, Bergström S:** Studies on the trophoblast-epithelial complex during decidual induction in

rats. Am J Anat 154(2):211–29, Feb 79
ANIMAL/ BLASTOCYST, ultrastructure/ *DECIDUA, physiology/ EPITHELIUM, ultrastructure/ ESTRADIOL, pharmacodynamics/ FEMALE/ *NIDATION/ NIDATION, DELAYED, drug effects/ PREGNANCY/ RATS/ *TROPHOBLAST, ultrastructure/ *UTERUS, ultrastructure

2314. **Lupton GP, Goette DK:** Localized eosinophilic fasciitis. Arch Dermatol 115(1):85–7, Jan 79
CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ *EOSINOPHILS/ *FASCIA/ FASCIA, pathology/ FEMALE/ HUMAN/ INFLAMMATION, blood/ INFLAMMATION, drug therapy/ INFLAMMATION, pathology/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use/ SKIN, pathology

2315. **Lustig L, Denduchis B, González NN, et al:** Experimental orchitis induced in rats by passive transfer of an antiserum to seminiferous tubule basement membrane. Arch Androl 1(4):333–43, Sep 78
ANIMAL/ BASEMENT MEMBRANE, immunology/ BASEMENT MEMBRANE, pathology/ FLUORESCENT ANTIBODY TECHNIC/ IGG, analysis/ *IMMUNE SERUMS/ IMMUNOENZYME TECHNICS/ KIDNEY GLOMERULUS, immunology/ KIDNEY, pathology/ MALE/ *ORCHITIS, etiology/ ORCHITIS, pathology/ RATS/ *SEMINIFEROUS TUBULES, immunology/ SEMINIFEROUS TUBULES, pathology/ *TESTIS, immunology/ TESTIS, ultrastructure

2316. **Lustyik G, Szábo J:** Determination of the numerical density of spherical and ellipsoidal particles in the adrenal zona glomerulosa, based on distribution measurements. I. Methods. Exp Pathol (Jena) 15(5):260–70, 1978
*ADRENAL CORTEX, ultrastructure/ ANIMAL/ CELL NUCLEUS, ultrastructure/ HISTOLOGICAL TECHNICS/ LIPIDS/ MITOCHONDRIA, ultrastructure/ *MODELS, BIOLOGICAL/ RATS

2317. **Luthra R, Olson MS:** The effects of chlorotetracycline on calcium movements in isolated rat liver mitochondria. Arch Biochem Biophys 191(2):494–502, Dec 78
ANIMAL/ BIOLOGICAL TRANSPORT, drug effects/ *CALCIUM, metabolism/ *CHLORTETRACYCLINE, pharmacodynamics/ KINETICS/ MAGNESIUM, pharmacodynamics/ MALE/ MITOCHONDRIA, LIVER, drug effects/ *MITOCHONDRIA, LIVER, metabolism/ RATS/ SPECTROMETRY, FLUORESCENCE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2318. **Luton JP, Mahoudeau JA, Bouchard P, et al:** Treatment of Cushing's disease by O,p'DDD. Survey of 62 cases. N Engl J Med 300(9):459–64, 1 Mar 79
ADOLESCENCE/ ADRENAL CORTEX HORMONES, metabolism/ ADULT/ AGED/ CHOLESTEROL, blood/ CORTICOTROPIN, blood/ *CUSHING'S SYNDROME, drug therapy/ CUSHING'S SYNDROME, radiotherapy/ DRUG EVALUATION/ DDD, administration & dosage/ DDD, adverse effects/ *DDD, therapeutic use/ FEMALE/ HUMAN/ HYDROCORTISONE, urine/ MALE/ MIDDLE AGE/ PITUITARY IRRADIATION/ RECURRENCE/ REMISSION/ TIME FACTORS/ 17-HYDROXYCORTICOSTEROIDS, urine

2319. **Luyckx AS, Lefebvre PJ:** Possible role of endogenous prostaglandins in glucagon secretion by isolated guinea-pig islets. Diabetologia 15(5):411–6, Nov 78
ANIMAL/ ARGININE, pharmacodynamics/ *GLUCAGON, secretion/ GUINEA PIGS/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ *ISLANDS OF LANGERHANS, secretion/ MALE/ NOREPINEPHRINE, pharmacodynamics/ *PROSTAGLANDIN ANTAGONISTS, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics

2320. **Lymangrover J, Saffran M, Matthews EK:** Developmental changes in rat adrenocortical cell membrane potential. Mech Ageing Dev 8(6):377–82, Dec 78
ADRENAL CORTEX, cytology/ *ADRENAL CORTEX, growth & development/ ADRENAL CORTEX, physiology/ AGING/ ANIMAL/ ANIMALS, NEWBORN, physiology/ FEMALE/ MALE/ MEMBRANE POTENTIALS/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2321. **Lynch PJ, Rather EP, Rutala PJ:** Pemphigus and coccidioidomycosis. Cutis 22(5):581–3, Nov 78
ADULT/ CASE REPORT/ COCCIDIOIDES, isolation & purification/ *COCCIDIOIDOMYCOSIS, complications/ COCCIDIOIDOMYCOSIS, microbiology/ HUMAN/ MALE/ MIDDLE AGE/ *PEMPHIGUS, complications/ PEMPHIGUS, drug therapy/ PREDNISONE, adverse effects/ PREDNISONE, therapeutic use

2322. **Lyons HJ, Churchill PC:** The effect of papaverine on in vitro renin secretion. Proc Soc Exp Biol Med 160(2):237–40, Feb 79
ANIMAL/ IN VITRO/ *KIDNEY CORTEX, drug effects/ KIDNEY CORTEX, secretion/ PAPAVERINE, administration & dosage/ *PAPAVERINE, pharmacodynamics/ RATS/ *RENIN, secretion/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2323. **Lysz TW, Sze PY:** Activation of brain tryptophan hydroxylase by a phosphorylating system. J Neurosci Res 3(5–6):411–8, 1978
ACID PHOSPHATASE, pharmacodynamics/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ HYDROCORTISONE, pharmacodynamics/ *MAGNESIUM, pharmacodynamics/ *MESENCEPHALON, enzymology/ MICE/ PHOSPHORYLATION/ PROTEIN KINASE, pharmacodynamics/ *TRYPTOPHAN HYDROXYLASE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

M

2324. **McCarthy JA:** Prostaglandins: an overview. Adv Pediatr 25:121–49, 1978
ADULT/ ANAPHYLAXIS, physiopathology/ ANIMAL/ ASTHMA, physiopathology/ AUTONOMIC NERVOUS SYSTEM, drug effects/ BLOOD PLATELETS, drug effects/ CENTRAL NERVOUS SYSTEM, drug effects/ FEMALE/ GENITALIA, FEMALE, drug effects/ GENITALIA, MALE, drug effects/ HUMAN/ LUNG, drug effects/ MALE/ *PROSTAGLANDIN ANTAGONISTS, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, physiology/ PROSTAGLANDINS, therapeutic use

2325. **McCarty R, Kopin IJ:** Sympatho-adrenal medullary activity and behavior during exposure to footshock stress: a comparison of seven rat strains. Physiol Behav 21(4):567–72, Oct 78
*ADRENAL MEDULLA, physiology/ ANIMAL/ *BEHAVIOR, ANIMAL, physiology/ BLOOD PRESSURE/ COMPARATIVE STUDY/ ELECTROSHOCK/ EPINEPHRINE, blood/ HEART RATE/ HYPERTENSION, familial & genetic/ HYPERTENSION, physiopathology/ MALE/ NOREPINEPHRINE, blood/ RATS/ SPECIES SPECIFICITY/ *STRESS, physiopathology/ *SYMPATHETIC NERVOUS SYSTEM, physiology

2326. **McClellan GB, Winegrad S:** The regulation of the calcium sensitivity of the contractile system in mammalian cardiac muscle. J Gen Physiol 72(6):737–64, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ AGING/ ANIMAL/ *CALCIUM, metabolism/ CYTIDINE TRIPHOSPHATE, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *HEART, physiology/ MALE/ MEMBRANE LIPIDS, pharmacodynamics/ *MUSCLE PROTEINS, physiology/ *MYOCARDIAL CONTRACTION/ MYOCARDIAL CONTRACTION, drug effects/ RATS/ *SARCOLEMMA, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2327. **McCook TA, Felman AH:** Retropharyngeal masses in infants and young children. Am J Dis Child 133(1):41–3, Jan 79
ABSCESS, radiography/ CASE REPORT/

DIAGNOSIS, DIFFERENTIAL/ FEMALE/ FISTULA, radiography/ GANGLIONEUROMA, radiography/ GOITER, congenital/ GOITER, radiography/ HUMAN/ HYPOTHYROIDISM, radiography/ INFANT/ INFANT, NEWBORN/ LYMPHANGIOMA, radiography/ MALE/ *PHARYNGEAL DISEASES, radiography/ PHARYNGEAL NEOPLASMS, congenital/ PHARYNGEAL NEOPLASMS, radiography

2328. **McCue RE, Dannenberg AM Jr, Higuchi S, et al:** The effect of cortisone on the accumulation, activation, and necrosis of macrophages in tuberculous lesions. Inflammation 3(2):159–76, Jun 78
ANIMAL/ BETA-GALACTOSIDASES, metabolism/ BCG/ CELL AGGREGATION, drug effects/ *CORTISONE, pharmacodynamics/ *MACROPHAGES, drug effects/ MACROPHAGES, enzymology/ MALE/ NECROSIS/ RABBITS/ TUBERCULOSIS, pathology/ *TUBERCULOSIS, physiopathology/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2329. **MacDessi JJ, Kozlowski K, Posen S:** Spondylo-epiphyseal dysplasia with ocular changes: report of two 'new' variants in two different families. Pediatr Radiol 7(4):220–8, 4 Dec 78
ADOLESCENCE/ ADULT/ BONE AND BONES, radiography/ CASE REPORT/ ECCENTROOSTEOCHONDRODYSPLASIA, complications/ *ECCENTROOSTEOCHONDRODYSPLASIA, familial & genetic/ ECCENTROOSTEOCHONDRODYSPLASIA, radiography/ EYE DISEASES, etiology/ *EYE DISEASES, familial & genetic/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE

2330. **MacDonald GJ:** Maintenance of pregnancy in the rat in the absence of LH. Proc Soc Exp Biol Med 159(3):441–3, Dec 78
ANIMAL/ ANTIBODIES/ ANTIGEN-ANTIBODY REACTIONS/ ESTRADIOL, pharmacodynamics/ FEMALE/ FETAL RESORPTION, etiology/ HYPOPHYSECTOMY/ LH, immunology/ *LH, pharmacodynamics/ NIDATION, drug effects/ PITUITARY GLAND, physiology/ *PREGNANCY MAINTENANCE, drug effects/ *PREGNANCY, drug effects/ RATS

2331. **McDonald JM, Ladenson JH, James T:** Renovascular hypertension and plasma renin activity. Clin Chem 25(2):289–94, Feb 79
ADULT/ ANGIOTENSIN I, metabolism/ BLOOD SPECIMEN COLLECTION/ CASE REPORT/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *HYPERTENSION, RENAL, enzymology/ HYPERTENSION, RENOVASCULAR, diagnosis/ *HYPERTENSION, RENOVASCULAR, enzymology/ MALE/ RENAL VEINS/ *RENIN, blood/ VENA CAVA, INFERIOR

2332. **MacDonald PC, Porter JC, Schwarz BE, et al:** Initiation of parturition in the human female. Semin Perinatol 2(3):273–86, Jul 78
ADRENAL GLANDS, physiology/ ANENCEPHALY/ ANIMAL/ ARACHIDONIC ACIDS, physiology/ CORTICOTROPIN, physiology/ DELIVERY/ FEMALE/ FETAL BLOOD, analysis/ FETAL MEMBRANES, physiology/ FETUS, physiology/ HUMAN/ HYDROCORTISONE, blood/ *LABOR ONSET/ *LABOR/ OXYTOCIN, physiology/ PHOSPHOLIPASE, physiology/ PREGNANCY/ PREGNANCY, PROLONGED/ PROGESTERONE, physiology/ PROSTAGLANDINS, physiology/ SHEEP/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2333. **MacDonnell MF, Stoddard-Apter S:** Effects of medial septal stimulation on hypothalamically-elicited intraspecific attack and associated hissing in cats. Physiol Behav 21(5):679–83, Nov 78
*AGGRESSION, physiology/ ANIMAL/ BRAIN MAPPING/ CATS/ ELECTRIC STIMULATION/ FEMALE/ *HYPOTHALAMUS, physiology/ *HYPOTHALAMUS, MEDIAL, physiology/ PREDATORY BEHAVIOR, physiology/ *SEPTUM PELLUCIDUM, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2334. **McDougal JS, Shen FW, Elster P:** Generation of T helper cells in vitro. V. Antigen-specific Ly1+ T cells mediate the helper effect and induce feedback suppression. J Immunol 122(2):437–42, Feb 79
ANIMAL/ *ANTIGENIC DETERMINANTS/ ANTIGENS/ BACTERIAL VACCINES, pharmacodynamics/ CELL SEPARATION/ CORTISONE, pharmacodynamics/ FEMALE/ HEMOLYTIC PLAQUE TECHNIC/ *IMMUNOSUPPRESSION/ MACROPHAGES, immunology/ MICE/ MICE, INBRED BALB C/ PHENOTYPE/ SPLEEN, immunology/ *T-LYMPHOCYTES, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2335. **McDougall JG, Barnes AM, Coghlan JP, et al:** The effect of corticotrophin (ACTH) administration on the pressor action of angiotensin II, noradrenaline and tyramine in sheep. Clin Exp Pharmacol Physiol 5(5):449–55, Sep-Oct 78
*ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ *BLOOD PRESSURE, drug effects/ *CORTICOTROPIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ HYPERTENSION, chemically induced/ *NOREPINEPHRINE, pharmacodynamics/ SHEEP/ SODIUM, physiology/ TIME FACTORS/ *TYRAMINE, pharmacodynamics

2336. **McEntyre JM:** A successful treatment for aphakic cystoid macular edema. Ann Ophthalmol 10(9):1219–24, Sep 78
*APHAKIA, complications/ CASE REPORT/ HUMAN/ INTRAOCULAR PRESSURE, drug effects/ *MACULAR DEGENERATION, drug therapy/ MALE/ MIDDLE AGE/ OPHTHALMIC SOLUTIONS/ PREDNISOLONE, administration & dosage/ *PREDNISOLONE, therapeutic use/ RECURRENCE/ VISUAL ACUITY, drug effects

2337. **McEwan EH, Whitehead PM:** Influence of weathered crude oil on liver enzyme metabolism of testosterone in gulls. Can J Zool 56(9):1922–4, Sep 78
ANIMAL/ *BIRDS, metabolism/ *FUEL OILS/ *LIVER, enzymology/ *PETROLEUM/ *TESTOSTERONE, metabolism

2338. **Macfarlane JD, Dieppe PA, Rigden BG, et al:** Pulmonary and pleural lesions in rheumatoid disease. Br J Dis Chest 72(4):288–300, Oct 78
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AMYLOIDOSIS, etiology/ *ARTHRITIS, RHEUMATOID, complications/ ARTHRITIS, RHEUMATOID, drug therapy/ CASE REPORT/ COIN LESION, PULMONARY, etiology/ FEMALE/ HUMAN/ LUNG DISEASES, drug therapy/ *LUNG DISEASES, etiology/ MALE/ MIDDLE AGE/ PLEURAL DISEASES, drug therapy/ *PLEURAL DISEASES, etiology/ PLEURAL EFFUSION, etiology/ PULMONARY FIBROSIS, etiology/ SEX FACTORS/ VASCULITIS, etiology

2339. **MacFarlane JD, Filo RS, Brandt KD:** Joint effusions after kidney transplantation. Arthritis Rheum 22(2):164–9, Feb 79
ADOLESCENCE/ ADULT/ CRYSTALLIZATION/ *EXUDATES AND TRANSUDATES/ EXUDATES AND TRANSUDATES, analysis/ EXUDATES AND TRANSUDATES, cytology/ EXUDATES AND TRANSUDATES, immunology/ FEMALE/ GRAFT REJECTION/ HUMAN/ JOINT DISEASES, chemically induced/ *JOINT DISEASES, etiology/ JOINT DISEASES, immunology/ *KIDNEY, transplantation/ *KNEE JOINT/ KNEE JOINT, drug effects/ LEUKOCYTE COUNT/ MALE/ METHYLPREDNISOLONE, administration & dosage/ *METHYLPREDNISOLONE, adverse effects/ METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE/ PAIN/ SYNOVIAL MEMBRANE, pathology/ SYNOVITIS, chemically induced/ SYNOVITIS, etiology/ SYNOVITIS, immunology/ TRANSPLANTATION, ALLOGENEIC/ TRANSPLANTATION, HOMOLOGOUS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2340. **McGaugh JL, Gold PE, Handwerker MJ, et al:** Altering memory by electrical and chemical stimulation of the brain. pp. 151–64.
In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978. (56 ref.)
AMNESIA, chemically induced/ ANIMAL/ AVOIDANCE LEARNING, drug effects/

AVOIDANCE LEARNING, physiology/ BRAIN, drug effects/ *BRAIN, physiology/ *CORTICOTROPIN, pharmacodynamics/ DIETHYLDITHIOCARBAMATE, pharmacodynamics/ DISCRIMINATION LEARNING, drug effects/ DISCRIMINATION LEARNING, physiology/ *ELECTRIC STIMULATION/ ELECTROSHOCK/ *EPINEPHRINE, pharmacodynamics/ MEMORY, drug effects/ *MEMORY, physiology/ MICE/ MODELS, NEUROLOGICAL/ MONOGRAPH/ NOREPINEPHRINE, pharmacodynamics/ RATS/ RECALL, drug effects/ RECALL, physiology/ RETENTION (PSYCHOLOGY), drug effects/ RETENTION (PSYCHOLOGY), physiology/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2341. **McGeown MG, Nevin NC:** Cytogenetic analysis on children born of parents treated with immunosuppressive drugs. Proc Eur Dial Transplant Assoc 15:384–90, 1978
AZATHIOPRINE, pharmacodynamics/ *CHROMOSOMES, HUMAN, drug effects/ CYCLOPHOSPHAMIDE, pharmacodynamics/ DOWN'S SYNDROME, chemically induced/ FEMALE/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ INFANT, NEWBORN/ KIDNEY, transplantation/ MALE/ PREDNISOLONE, adverse effects/ PREDNISOLONE, pharmacodynamics/ PREGNANCY/ TRANSPLANTATION, AUTOLOGOUS/ TWINS

2342. **McGiff JC, Wong PY:** Compartmentalization of prostaglandins and prostacyclin within the kidney: implications for renal function. Fed Proc 38(1):89–93, Jan 79
ANIMAL/ DIURESIS/ DOGS/ KIDNEY MEDULLA, metabolism/ KIDNEY TUBULES, metabolism/ KIDNEY, blood supply/ *KIDNEY, physiology/ PROSTAGLANDIN SYNTHASE, metabolism/ *PROSTAGLANDINS X, physiology/ *PROSTAGLANDINS, physiology/ REGIONAL BLOOD FLOW/ RENAL ARTERY, metabolism/ THROMBOXANES, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ WATER-ELECTROLYTE BALANCE

2343. **McGiff JC:** New developments in prostaglandin and thromboxane research: introduction. Fed Proc 38(1):64–5, Jan 79
ANIMAL/ HUMAN/ *PROSTAGLANDINS, physiology/ *THROMBOXANES, physiology

2344. **McGrath BP, Matthews PG, Walter NM, et al:** Emergency treatment of severe hypertension with intravenous labetalol. Med J Aust 2(9):410–1, 21 Oct 78
ADULT/ AGED/ ANGIOTENSIN II, blood/ *EMERGENCIES/ *ETHANOLAMINES, therapeutic use/ FEMALE/ HUMAN/ HYPERTENSION, blood/ *HYPERTENSION, drug therapy/ INFUSIONS, PARENTERAL/ LABETALOL, administration & dosage/ *LABETALOL, therapeutic use/ MALE/ MIDDLE AGE/ PULSE, drug effects/ RENIN, blood

2345. **McGrath MA, Vanhoutte PM:** Vasodilatation caused by peripheral inhibition of adrenergic neurotransmission. pp. 248–57.
In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977. (46 ref.)
ACETYLCHOLINE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ADENOSINE, pharmacodynamics/ *ADRENERGIC FIBERS, physiology/ ANIMAL/ DOGS/ ELECTRIC STIMULATION/ ENKEPHALINS, pharmacodynamics/ HISTAMINE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ MONOGRAPH/ NEURAL INHIBITION/ *NEURAL TRANSMISSION, drug effects/ NOREPINEPHRINE, pharmacodynamics/ OSMOLAR CONCENTRATION/ POTASSIUM, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ RABBITS/ REVIEW/ SEROTONIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VASODILATION/ VASODILATION, drug effects

2346. **McGregor AM, Scanlon MF, Hall K, et al:** Reduction in size of a pituitary tumor by bromocriptine therapy. N Engl J Med 300(6):291–3, 8 Feb 79
*ADENOMA, drug therapy/ ADENOMA, pathology/ ADENOMA, radiography/ ADENOMA, secretion/ ADULT/ CASE REPORT/ HUMAN/ MALE/ NEOPLASM INVASIVENESS/ *PITUITARY NEOPLASMS, drug therapy/ PITUITARY NEOPLASMS, pathology/ PITUITARY NEOPLASMS, radiography/ PITUITARY NEOPLASMS, secretion/ PROLACTIN, secretion/ TOMOGRAPHY, COMPUTERIZED AXIAL/ *2-BROMOERGOCRYPTINE, therapeutic use

2347. **MacGregor GA, Markandu ND, Roulston JE, et al:** Is 'idiopathic' edema idiopathic? Lancet 1(8113):397–400, 24 Feb 79
ADULT/ ALDOSTERONE, urine/ *BODY WATER, metabolism/ BODY WEIGHT/ *DIURETICS, administration & dosage/ DIURETICS, metabolism/ *DRUG WITHDRAWAL SYMPTOMS, metabolism/ *EDEMA, etiology/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MIDDLE AGE/ POTASSIUM, blood/ RENIN, blood/ *SODIUM, metabolism/ TIME FACTORS/ *WATER-ELECTROLYTE IMBALANCE, complications/ WATER-ELECTROLYTE IMBALANCE, etiology

2348. **McGuire LS, Sorley AK:** Understanding and preventing the menopausal crisis. Nurse Pract 3(4):15–8, Jul–Aug 78
*ADAPTATION, PHYSIOLOGICAL/ *ADAPTATION, PSYCHOLOGICAL/ ATTITUDE/ DEPRESSION, occurrence/ ESTROGENS, adverse effects/ ESTROGENS, therapeutic use/ EVALUATION STUDIES/ FEMALE/ HUMAN/ *MENOPAUSE/ MIDDLE AGE/ SWEATING, drug effects/ UNITED STATES/ UTERINE NEOPLASMS, chemically induced

2349. **McGuire WL:** Hormone receptors: their role in predicting prognosis and response to endocrine therapy. Semin Oncol 5(4):428–33, Dec 78
ADRENALECTOMY/ ADULT/ AGED/ ANTINEOPLASTIC AGENTS, administration & dosage/ *BREAST NEOPLASMS, metabolism/ BREAST NEOPLASMS, therapy/ CASTRATION/ CYTOPLASM, metabolism/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ MENOPAUSE/ MIDDLE AGE/ PROGNOSIS/ *RECEPTORS, ESTROGEN/ *RECEPTORS, PROGESTERONE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2350. **Machin GA:** Urinary tract malformation in the XYY male. Clin Genet 14(6):370–2, Dec 78
ABNORMALITIES, MULTIPLE, familial & genetic/ CASE REPORT/ HUMAN/ INFANT, NEWBORN/ MALE/ *SEX CHROMOSOME ABNORMALITIES, familial & genetic/ *URINARY TRACT, abnormalities/ *XYY KARYOTYPE, familial & genetic

2351. **McIlwain H:** Intracellular synaptic mediators and the endogenous simulation of neural input to the brain. pp. 71–8.
In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978. (34 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ *BRAIN, physiology/ CEREBRAL CORTEX, physiology/ CHILD/ DENDRITES, physiology/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ HUMAN/ MEMORY, physiology/ *MODELS, NEUROLOGICAL/ MONOGRAPH/ NEURAL TRANSMISSION/ *NEUROHUMORS, physiology/ PURKINJE CELLS, physiology/ RATS/ REVIEW/ *SYNAPSES, physiology

2352. **MacKay A, Hosobuchi Y:** Treatment of intracavernous extensions of pituitary adenomas. Surg Neurol 10(6):377–83, Dec 78
*ADENOMA, pathology/ ADENOMA, surgery/ ADULT/ CASE REPORT/ CAVERNOUS SINUS, pathology/ *CAVERNOUS SINUS, surgery/ FEMALE/ HUMAN/ MALE/ NEOPLASM INVASIVENESS/ PITUITARY GLAND, surgery/ *PITUITARY NEOPLASMS, pathology/ PITUITARY NEOPLASMS, surgery

2353. **McKean DJ, Maurer RA:** Complete amino acid sequence of the precursor region of rat prolactin. Biochemistry 17(24):5215–9, 28 Nov 78
AMINO ACID SEQUENCE/ AMINO ACIDS, metabolism/ ANIMAL/ CELL-FREE SYSTEM/

PROLACTIN, analysis/ *PROLACTIN, biosynthesis/ PROTEIN PRECURSORS, analysis/ *PROTEIN PRECURSORS, biosynthesis/ RATS/ RNA, MESSENGER, metabolism/ TRANSLATION, GENETIC/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2354. **McKenna TJ, Island DP, Nicholson WE, et al:** ACTH stimulates late steps in cortisol biosynthesis. Acta Endocrinol (Copenh) 90(1):122–32, Jan 79
ADRENAL GLANDS, cytology/ ADRENAL GLANDS, metabolism/ AMINOGLUTETHIMIDE, metabolism/ ANIMAL/ CATTLE/ *CORTICOTROPIN, pharmacodynamics/ CORTODOXONE, metabolism/ *HYDROCORTISONE, biosynthesis/ HYDROXYPREGNENOLONE, metabolism/ HYDROXYPROGESTERONES, metabolism/ PREGNENOLONE, metabolism/ PROGESTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2355. **McKenzie JK, Reisin E:** Acid-activated renin responses to hydrochlorothiazide, propranol and indomethacin. Clin Sci Mol Med 55 Suppl 4:151s–153s, Dec 78
ADULT/ ALDOSTERONE, blood/ BLOOD PRESSURE, drug effects/ ENZYME ACTIVATION, drug effects/ HUMAN/ *HYDROCHLOROTHIAZIDE, pharmacodynamics/ *HYPERTENSION, enzymology/ *INDOMETHACIN, pharmacodynamics/ MIDDLE AGE/ POTASSIUM, blood/ *PROPRANOLOL, pharmacodynamics/ *RENIN, blood/ SODIUM, blood/ SODIUM, urine

2356. **McKenzie MS, Burckart GJ, Ch'ien LT:** Drug treatment of tuberculous meningitis in childhood. A survey of current practices. Clin Pediatr (Phila) 18(2):75, 78–9, 82–4, Feb 79 (51 ref.)
*ADRENAL CORTEX HORMONES, therapeutic use/ *ANTITUBERCULAR AGENTS, therapeutic use/ CHILD/ ETHAMBUTOL, pharmacodynamics/ ETHAMBUTOL, therapeutic use/ HUMAN/ ISONIAZID, pharmacodynamics/ ISONIAZID, therapeutic use/ REVIEW/ RIFAMPIN, pharmacodynamics/ RIFAMPIN, therapeutic use/ STREPTOMYCIN, pharmacodynamics/ STREPTOMYCIN, therapeutic use/ *TUBERCULOSIS, MENINGEAL, drug therapy

2357. **McKiernan P, Doyle DA, Duffy GJ, et al:** o,p'--DDD and adrenal carcinoma. Ir J Med Sci 147(12):437–40, Dec 78
*ADRENAL CORTEX NEOPLASMS, drug therapy/ ADRENAL CORTEX NEOPLASMS, radionuclide imaging/ CASE REPORT/ FEMALE/ HUMAN/ IODINE RADIOISOTOPES, diagnostic use/ LIVER NEOPLASMS, radionuclide imaging/ LIVER, radionuclide imaging/ MIDDLE AGE/ *MITOTANE, therapeutic use/ NEOPLASM METASTASIS

2358. **McKinley D, Meissner G:** Evidence for a K+, Na+ permeable channel in sarcoplasmic reticulum. J Membr Biol 44(2):159–86, 15 Dec 78
ANIMAL/ CALCIUM, metabolism/ CARBOCYANINES/ CHOLINE, metabolism/ FLUORESCENT DYES/ *ION CHANNELS, metabolism/ MEMBRANE POTENTIALS/ MUSCLES, metabolism/ OSMOTIC PRESSURE/ *POTASSIUM, metabolism/ RABBITS/ RUBIDIUM, metabolism/ *SARCOPLASMIC RETICULUM, metabolism/ *SODIUM, metabolism

2359. **Macknight AD, Leaf A:** Epithelial cell electrolytes in relation to transepithelial sodium transport across toad urinary bladder. J Membr Biol 40 Spec No:247–60, 1978
ALDOSTERONE, pharmacodynamics/ AMILORIDE, pharmacodynamics/ ANIMAL/ ANOXIA/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ *BLADDER, metabolism/ CELL NUMBER/ *CHLORIDES, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPITHELIUM, cytology/ *EPITHELIUM, metabolism/ IN VITRO/ OUABAIN, pharmacodynamics/ *POTASSIUM, metabolism/ *SODIUM, metabolism/ SODIUM, pharmacodynamics/ TOADS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASOPRESSINS, pharmacodynamics

2360. **McLachlan SM, McGregor A, Smith BR, et al:** Thyroid-autoantibody synthesis by Hashimoto thyroid lymphocytes [letter] Lancet 1(8108):162–3, 20 Jan 79
*AUTOANTIBODIES, biosynthesis/ CELLS, CULTURED/ FEMALE/ HUMAN/ *IGG, biosynthesis/ *LYMPHOCYTES, pathology/ *MICROSOMES, immunology/ THYROGLOBULIN, immunology/ *THYROID GLAND, pathology/ *THYROIDITIS, LYMPHOMATOUS, immunology

2361. **MacLennan AH, Green RC:** Cervical ripening and induction of labour with intravaginal prostaglandin F2 alpha. Lancet 1(8108):117–9, 20 Jan 79
CELLULOSE, analogs & derivatives/ CELLULOSE, administration & dosage/ *CERVIX UTERI, drug effects/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ FEMALE/ GELS/ HUMAN/ *LABOR, INDUCED/ OXYTOCIN, therapeutic use/ PLACEBOS/ PREGNANCY/ PREMEDICATION/ *PROSTAGLANDINS F, SYNTHETIC, administration & dosage/ RESEARCH DESIGN/ TIME FACTORS/ VAGINA, drug effects

2362. **McLeod DG, Stutzman RE:** Testicular tumors: the military experience. Milit Med 143(12):837–41, Dec 78
ADOLESCENCE/ ADULT/ HUMAN/ MALE/ *MILITARY MEDICINE/ NEOPLASM STAGING/ PROGNOSIS/ *TESTICULAR NEOPLASMS/ TESTICULAR NEOPLASMS, diagnosis/ TESTICULAR NEOPLASMS, etiology/ TESTICULAR NEOPLASMS, therapy/ UNITED STATES

2363. **McLoughlin MJ, Ho CS, Tao LC:** Percutaneous needle aspiration biopsy. Can Med Assoc J 119(11):1324–8, 9 Dec 78 (59 ref.)
*BIOPSY, NEEDLE/ BIOPSY, NEEDLE, adverse effects/ BIOPSY, NEEDLE, methods/ BONE NEOPLASMS, pathology/ BREAST NEOPLASMS, pathology/ HUMAN/ KIDNEY NEOPLASMS, pathology/ LIVER NEOPLASMS, pathology/ LUNG DISEASES, pathology/ LYMPHATIC DISEASES, pathology/ MALE/ NEEDLES/ PANCREATIC NEOPLASMS, pathology/ PROSTATIC NEOPLASMS, pathology/ REVIEW/ SALIVARY GLAND NEOPLASMS, pathology/ SPLENIC DISEASES, pathology/ THYROID DISEASES, pathology

2364. **McMillen BA, Shore PA:** Comparative effects of clozapine and alpha-adrenoceptor blocking drugs on regional noradrenaline metabolism in rat brain. Eur J Pharmacol 52(2):225–30, 15 Nov 78
*ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL/ BRAIN, drug effects/ *BRAIN, metabolism/ CEREBRAL CORTEX, metabolism/ *CLOZAPINE, pharmacodynamics/ COMPARATIVE STUDY/ *DIBENZAZEPINES, pharmacodynamics/ FEMALE/ HYPOTHALAMUS, metabolism/ METHOXYHYDROXYPHENYLGLYCOL, metabolism/ *NOREPINEPHRINE, metabolism/ PHENOXYBENZAMINE, pharmacodynamics/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2365. **McNatty KP:** Cyclic changes in antral fluid hormone concentrations in humans. Clin Endocrinol Metab 7(3):577–600, Nov 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ADULT/ ANDROSTENEDIONE, physiology/ *BODY FLUIDS, physiology/ CELL NUMBER/ ESTRADIOL, physiology/ ESTRONE, physiology/ FEMALE/ *FSH, physiology/ GRAAFIAN FOLLICLE, growth & development/ *GRAAFIAN FOLLICLE, physiology/ GRANULOSA CELLS, cytology/ HUMAN/ *LH, physiology/ *MENSTRUATION/ MIDDLE AGE/ OVARIAN CYSTS, physiopathology/ PEPTIDE FRAGMENTS, analysis/ PREGNENOLONE, physiology/ PROGESTERONE, physiology/ PROLACTIN, physiology/ PROSTAGLANDINS, physiology/ TESTOSTERONE, physiology

2366. **McNelis B, Cutroneo KR:** A selective decrease of collagen peptide synthesis by dermal polysomes isolated from glucocorticoid-treated newborn rats. Mol Pharmacol 14(6):1167–75, Nov 78
ANIMAL/ ANIMALS, NEWBORN/ *COLLAGEN, biosynthesis/ *GLUCOCORTICOIDS, pharmacodynamics/ IN VITRO/ *PEPTIDES, biosynthesis/ POLYRIBOSOMES, drug effects/ *POLYRIBOSOMES, metabolism/ PROLINE, metabolism/ RATS/ SKIN, drug effects/ *SKIN,

metabolism/ TRIAMCINOLONE, analogs & derivatives/ TRIAMCINOLONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2367. **McNulty JA:** Fine structure of the pineal organ in the troglobytic fish, Typhlichthyes subterraneous (Pisces: Amblyopsidae). Cell Tissue Res 195(3):535–45, 29 Dec 78
ANIMAL/ CYTOPLASM, ultrastructure/ DARKNESS/ *FISHES, physiology/ MITOCHONDRIA, ultrastructure/ NERVE FIBERS, ultrastructure/ *PINEAL BODY, ultrastructure

2368. **McVie DH, Cartwright KA, Milne LJ:** Daktacort in inflammatory skin disease. Br J Clin Pract 32(12):353–7, Dec 78
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ *DERMATOMYCOSES, drug therapy/ DRUG COMBINATIONS/ *ECZEMA, drug therapy/ FEMALE/ HUMAN/ *HYDROCORTISONE, TOPICAL, therapeutic use/ *IMIDAZOLES, therapeutic use/ INFANT/ MALE/ *MICONAZOLE, therapeutic use/ MIDDLE AGE/ OINTMENTS

2369. **Maddison J:** The practical application of oestrogen–progestogen regimens for pre– and post–menopausal women. Postgrad Med J 54(2):91, 1978
DRUG ADMINISTRATION SCHEDULE/ DRUG THERAPY, COMBINATION/ *ESTROGENS, administration & dosage/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ *MENOPAUSE, drug effects/ *PROGESTATIONAL HORMONES, SYNTHETIC, administration & dosage/ PROGESTATIONAL HORMONES, SYNTHETIC, therapeutic use

2370. **Maddock J:** Effects of progestogens on serum lipids in the post–menopause. Postgrad Med J 54(2):38–41, 1978
ADULT/ CASTRATION/ CHOLESTEROL, blood/ CLIMACTERIC, drug effects/ ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ *LIPIDS, blood/ *MENOPAUSE/ MIDDLE AGE/ *NORETHINDRONE, pharmacodynamics/ PHOSPHOLIPIDS, blood/ TRIGLYCERIDES, blood

2371. **Madhok TC, Schnoes HK, DeLuca HF:** Incorportion of oxygen–18 into the 25–position of cholecalciferol by hepatic cholecalciferol 25–hydroxylase. Biochem J 175(2):479–82, 1 Nov 78
ANIMAL/ *CHOLECALCIFEROLS, metabolism/ CHROMATOGRAPHY, HIGH SPEED LIQUID/ FEMALE/ *HYDROXYCHOLECALCIFEROLS, metabolism/ HYDROXYLATION/ *LIVER, enzymology/ MALE/ OXYGEN RADIOISOTOPES/ RATS/ SPECTRUM ANALYSIS, MASS/ *STEROID HYDROXYLASES, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2372. **Mądro A:** Badanie czynności kory nadnerczy u chorych po zawale serca poddanych rehabilitacji sanatoryjnej. Pol Tyg Lek 33(51):1969–71, 18 Dec 78 (Eng. Abstr.) **(Pol)**
ACUTE DISEASE/ *ADRENAL CORTEX, physiopathology/ ADULT/ AGED/ ENGLISH ABSTRACT/ HEALTH RESORTS/ HUMAN/ MALE/ MIDDLE AGE/ MYOCARDIAL INFARCTION, physiopathology/ *MYOCARDIAL INFARCTION, rehabilitation

2373. **Madsen S:** D–vitamin––nye terapeutiske aspekter. Ugeskr Laeger 141(5):315–6, 29 Jan 79 **(Dan)**
HUMAN/ *HYDROXYCHOLECALCIFEROLS, therapeutic use/ *VITAMIN D, therapeutic use

2374. **Madsen S, Olgaard K:** Laegemiddelinformation. Etalpha. Ugeskr Laeger 141(5):310–2, 29 Jan 79 **(Dan)**
BONE DISEASES, drug therapy/ DRUG EVALUATION/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, therapeutic use/ HYPOPARATHYROIDISM, drug therapy

2375. **Madsen S, Olgaard K, Ladefoged J:** Cessation of bone loss in chronic renal failure by 1–alpha–hydroxyvitamin D3: a controlled trial. Proc Eur Dial Transplant Assoc 15:517–23, 1978
ADULT/ AGED/ CROSS SECTIONAL STUDIES/ FEMALE/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, therapeutic use/ *KIDNEY FAILURE, CHRONIC, complications/ LONGITUDINAL STUDIES/ MALE/ MIDDLE AGE/ *RENAL OSTEODYSTROPHY, drug therapy/ RENAL OSTEODYSTROPHY, etiology

2376. **Maeda H:** Effects of septal lesions on electrically elicited hypothalamic rage in cats. Physiol Behav 21(3):339–43, Sep 78
*ANGER, physiology/ ANIMAL/ *BRAIN, physiology/ CATS/ ELECTRIC STIMULATION/ *HYPOTHALAMUS, physiology/ *HYPOTHALAMUS, MEDIAL, physiology/ *RAGE, physiology/ TIME FACTORS

2377. **Maeda H, Hirata K:** Two–stage amygdaloid lesions and hypothalamic rage: a method useful for detecting functional localization. Physiol Behav 21(4):529–30, Oct 78
AMYGDALOID BODY, anatomy & histology/ *AMYGDALOID BODY, physiology/ *ANGER, physiology/ ANIMAL/ CATS/ HYPOTHALAMUS, anatomy & histology/ *HYPOTHALAMUS, physiology/ METHODS/ *RAGE, physiology/ TIME FACTORS

2378. **Maeda M, Tsuji A:** [Fluorophotometric determination of dehydroepiandrosterone sulfate in urine by ion–pair extraction (author's transl)] Yakugaku Zasshi 98(11):1556–60, Nov 78 (Eng. Abstr.) **(Jpn)**
*DEHYDROEPIANDROSTERONE, urine/ ENGLISH ABSTRACT/ IONS/ *SPECTROMETRY, FLUORESCENCE, methods

2379. **Maeda R, Sato K, Okamoto S, et al:** [Effects of 1 alpha–OH–D3 on idiopathic hypoparathyroidism] Horumon To Rinsho 26(10):1097–102, Oct 78 **(Jpn)**
ADULT/ *CHOLECALCIFEROLS, therapeutic use/ DRUG EVALUATION/ FEMALE/ HUMAN/ *HYPOPARATHYROIDISM, drug therapy/ MALE/ MIDDLE AGE

2380. **Maeda T, Ohno M, Takada M, et al:** A cytogenetic survey of consecutive liveborn infants–incidence and type of chromosome abnormalities. Jinrui Idengaku Zasshi 23(3):217–24, Sep 78
*AUTOSOME ABNORMALITIES, occurrence/ FEMALE/ HUMAN/ INFANT, NEWBORN/ JAPAN/ MALE/ *SEX CHROMOSOME ABNORMALITIES, occurrence

2381. **Maeda T:** [Effects of intrarenal arterial administration of beta adrenergic blocking agents on renin release and renal function (author's transl)] Nippon Hinyokika Gakkai Zasshi 69(11):1487–506, Nov 78 (Eng. Abstr.) **(Jpn)**
*ADRENERGIC BETA RECEPTOR BLOCKADERS, administration & dosage/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL/ DIET, SALT–FREE/ DOGS/ ENGLISH ABSTRACT/ FEMALE/ INFUSIONS, INTRA–ARTERIAL/ *KIDNEY, drug effects/ MALE/ PINDOLOL, administration & dosage/ PINDOLOL, pharmacodynamics/ PRACTOLOL, administration & dosage/ PRACTOLOL, pharmacodynamics/ RENAL ARTERY/ *RENIN, secretion

2382. **Magnusson C, Selstam G, Ahrén K:** Lack of specific prostaglandin antagonistic effects of 7–oxa–13–prostynoic acid on ovarian metabolism in vitro. Acta Physiol Scand 105(2):239–47, Feb 79
ADENOSINE CYCLIC–3',5'–MONOPHOSPHATE, biosynthesis/ AMINO ACIDS, metabolism/ ANIMAL/ CARBOHYDRATES, metabolism/ *FATTY ACIDS, UNSATURATED, pharmacodynamics/ FEMALE/ LACTATES, biosynthesis/ *OVARY, metabolism/ *OXAPROSTYNOIC ACIDS, pharmacodynamics/ PROGESTERONE, biosynthesis/ *PROSTAGLANDIN ANTAGONISTS/ PROSTAGLANDINS E, antagonists & inhibitors/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, antagonists & inhibitors/ PROSTAGLANDINS F, pharmacodynamics/ PROTEINS, biosynthesis/ RATS

2383. **Maguire HC Jr:** Drug–induced alopecia. Am Fam Physician 19(1):178–9, Jan 79
*ALOPECIA, chemically induced/ ANDROGENS, adverse effects/ ANTICOAGULANTS, adverse effects/ ANTINEOPLASTIC AGENTS, adverse effects/ HAIR, metabolism/ HUMAN

2384. **el–Mahgoub S:** Galactorrhea and the defective luteal phase of the menstrual cycle. Int J Gynaecol Obstet 16(2):124–7, 1978–79
ADULT/ CLOMIPHENE, therapeutic use/ DRUG

THERAPY, COMBINATION/ FEMALE/ *GALACTORRHEA, complications/ HUMAN/ *LACTATION DISORDERS, complications/ *MENSTRUATION DISORDERS, complications/ MENSTRUATION DISORDERS, drug therapy/ MENSTRUATION, LUTEAL PHASE/ PREGNANCY/ *PROLACTIN, blood/ STERILITY, FEMALE, drug therapy/ *STERILITY, FEMALE, etiology/ 2-BROMOERGOCRYPTINE, therapeutic use

2385. **Maibach HI:** Iodochlorhydroxyquin-hydrocortisone treatment of fungal infections. Double-blind trial. Arch Dermatol 114(12):1773-5, Dec 78
CHILD/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ *DERMATOMYCOSES, drug therapy/ DOUBLE-BLIND METHOD/ DRUG COMBINATIONS/ FEMALE/ HUMAN/ HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, adverse effects/ *HYDROCORTISONE, therapeutic use/ IODOCHLORHYDROXYQUIN, administration & dosage/ IODOCHLORHYDROXYQUIN, adverse effects/ *IODOCHLORHYDROXYQUIN, therapeutic use/ MALE

2386. **Maier BA, Chan JC:** Nephrotic syndrome in childhood: diagnosis and management. Va Med 106(1):33-40, Jan 79
ADOLESCENCE/ ANTIBIOTICS, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ DIURETICS, therapeutic use/ FEMALE/ HUMAN/ HYPOPROTEINEMIA, diagnosis/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ INFANT/ INFANT, NEWBORN/ KIDNEY, pathology/ MALE/ NEPHROTIC SYNDROME, congenital/ NEPHROTIC SYNDROME, diet therapy/ *NEPHROTIC SYNDROME, diagnosis/ NEPHROTIC SYNDROME, drug therapy/ NEPHROTIC SYNDROME, etiology/ NEPHROTIC SYNDROME, pathology/ PREDNISONE, therapeutic use/ PROTEINURIA, diagnosis/ SEX RATIO

2387. **Maillet M, Chiarasini DJ, Cava E, et al:** Significant hormonal changes in patterns of lipid granules in vaginal exfoliated cells. Acta Cytol (Baltimore) 22(6):479-82, Nov-Dec 78
ANIMAL/ CONTRACEPTIVES, ORAL, pharmacodynamics/ *CYTOPLASMIC GRANULES, analysis/ *ESTRUS/ FEMALE/ HUMAN/ *LIPIDS/ *MENSTRUATION/ PREGNANCY/ RATS/ STEIN-LEVENTHAL SYNDROME, pathology/ *VAGINA, ultrastructure

2388. **Mailman RB, Frye GD, Mueller RA, et al:** Change in brain guanosine 3',5'-monophosphate (cGMP) content by thyrotropin-releasing hormone. J Pharmacol Exp Ther 208(2):169-75, Feb 79
ANIMAL/ *BRAIN, drug effects/ BRAIN, metabolism/ CEREBELLUM, drug effects/ CEREBELLUM, metabolism/ DRUG INTERACTIONS/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ GUANYL CYCLASE, metabolism/ HYPOPHYSECTOMY/ INJECTIONS, INTRAVENTRICULAR/ MALE/ OLIGOPEPTIDES, pharmacodynamics/ PYRIDINES, pharmacodynamics/ RATS/ THYROTROPIN RELEASING HORMONE, administration & dosage/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2389. **Main SJ, Setchell BP:** The facilitated diffusion of testosterone into the rete testis of the ram [proceedings] J Physiol (Lond) 284:17P-18P, Nov 78
ANIMAL/ BODY FLUIDS, metabolism/ DIFFUSION/ MALE/ *RETE TESTIS, metabolism/ SHEEP/ *TESTIS, metabolism/ *TESTOSTERONE, metabolism

2390. **Maine D:** Depo: the debate continues. Fam Plann Perspect 10(6):342-5, Nov-Dec 78
ABNORMALITIES, DRUG-INDUCED, etiology/ ANIMAL/ BREAST NEOPLASMS, chemically induced/ DELAYED-ACTION PREPARATIONS/ DEVELOPING COUNTRIES/ DOGS/ FEMALE/ HUMAN/ INJECTIONS/ *MEDROXYPROGESTERONE, analogs & derivatives/ MEDROXYPROGESTERONE, administration & dosage/ MEDROXYPROGESTERONE, adverse effects/ PREGNANCY/ UNITED STATES FOOD AND DRUG ADMINISTRATION/ UNITED STATES

2391. **Maj J, Palider W, Rawłów A:** The effect of haloperidol, spiperone and pimozide on the flexor reflex of the hind limb of the spinal rat. J Neural Transm 43(2):113-20, 1978
ANIMAL/ *BUTYROPHENONES, pharmacodynamics/ CLONIDINE, pharmacodynamics/ DENERVATION/ FENFLURAMINE, pharmacodynamics/ *HALOPERIDOL, pharmacodynamics/ *HINDLIMB, innervation/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ MALE/ *MUSCLE CONTRACTION, drug effects/ NOREPINEPHRINE, pharmacodynamics/ *PIMOZIDE, pharmacodynamics/ RATS/ RECEPTORS, ADRENERGIC, drug effects/ RECEPTORS, SEROTONIN, drug effects/ *REFLEX, drug effects/ SEROTONIN, metabolism/ *SPINAL CORD, physiology/ *SPIPERONE, pharmacodynamics

2392. **Majmudar B, Kapernick PS, Phillips RS:** Ovarian myxoma. Hum Pathol 9(6):723-5, Nov 78
ADULT/ CASE REPORT/ CELL NUCLEUS, ultrastructure/ FALLOPIAN TUBES, ultrastructure/ FEMALE/ HUMAN/ MYXOMA, diagnosis/ *MYXOMA, pathology/ OVARIAN NEOPLASMS, diagnosis/ *OVARIAN NEOPLASMS, pathology/ OVARY, pathology

2393. **Major LJ, Murphy DL, Lipper S, et al:** Effects of clorgyline and pargyline on deaminated metabolites of norepinephrine, dopamine and serotonin in human cerebrospinal fluid. J Neurochem 32(1):229-31, Jan 79
*CLORGYLINE, diagnostic use/ CLORGYLINE, therapeutic use/ DEPRESSION, drug therapy/ *DOPAMINE, cerebrospinal fluid/ HOMOVANILLIC ACID, cerebrospinal fluid/ HUMAN/ *NOREPINEPHRINE, cerebrospinal fluid/ *PARGYLINE, diagnostic use/ PARGYLINE, therapeutic use/ *PROPYLAMINES, diagnostic use/ *SEROTONIN, cerebrospinal fluid

2394. **Májský A, Feix C, Němec J:** Schilddrüsenkarzinom und HLA-System. Z Gesamte Inn Med 33(21):797-8, 1 Nov 78 (Eng. Abstr.) **(Ger)**
CYTOTOXICITY, IMMUNOLOGIC/ ENGLISH ABSTRACT/ HUMAN/ *HL-A ANTIGENS, analysis/ LYMPHOCYTES, immunology/ *THYROID NEOPLASMS, immunology

2395. **Makara GB, Stark E, Palkovits M:** ACTH release after tuberal electrical stimulation in rats with various cuts around the medial basal hypothalamus. Neuroendocrinology 27(3-4):109-18, 1978
ANIMAL/ BRAIN MAPPING/ CORTICOSTERONE, blood/ *CORTICOTROPIN RELEASING HORMONE, secretion/ *CORTICOTROPIN, secretion/ ELECTRIC STIMULATION/ *HYPOTHALAMUS, physiology/ *HYPOTHALAMUS, MEDIAL, physiology/ MALE/ NEURAL PATHWAYS, physiology/ RATS/ TUBER CINEREUM, secretion

2396. **Makino E, Matsushima Y, Kanezuka H, et al:** [Evaluation of TSH 'Eiken'] Horumon To Rinsho 26(10):1067-70, Oct 78 **(Jpn)**
HUMAN/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC/ THYROID DISEASES, blood/ *THYROTROPIN, blood

2397. **Maksimenko AN:** K voprosu etiologii ekzoftal'ma. Oftalmol Zh 33(7):547-8, 1978 **(Rus)**
ADOLESCENCE/ ADULT/ AGED/ CHILD/ DERMOID, complications/ *EXOPHTHALMOS, etiology/ EYE NEOPLASMS, complications/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ ORBITAL NEOPLASMS, complications/ SARCOMA, complications

2398. **Maksimova TV, Bobylev RV:** Vydelenie arakhidonovoĭ kisloty metodom tonkosloĭnoĭ khromatografii. Farmatsiia 28(1):235, Jan-Feb 79 (Eng. Abstr.) **(Rus)**
ANIMAL/ *ARACHIDONIC ACIDS, isolation & purification/ CATTLE/ *CHROMATOGRAPHY, THIN LAYER, methods/ ENGLISH ABSTRACT/ LIPIDS, isolation & purification/ MALE/ PANCREAS/ SWINE/ TESTIS

2399. **Maleeva A:** Dinamichno izsledvane na khipotalamo-khipofizo-gonadnata os pri bolni s Klainfeltur sindrom. Vutr Boles 17(6):56-62, 1978 (Eng. Abstr.) **(Bul)**

ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ FSH, blood/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ KARYOTYPING/ *KLINEFELTER'S SYNDROME, physiopathology/ LH, blood/ LH-FSH RELEASING HORMONE, diagnostic use/ *TESTIS, physiopathology/ TESTOSTERONE, blood

2400. **Malkasian GD Jr, Decker DG:** Adjuvant progesterone therapy for stage I endometrial carcinoma. Int J Gynaecol Obstet 16(1):48–9, 1978
*ADENOCARCINOMA, drug therapy/ ADENOCARCINOMA, mortality/ ADENOCARCINOMA, surgery/ ADULT/ AGED/ CLINICAL RESEARCH/ FEMALE/ HUMAN/ HYSTERECTOMY/ *MEDROXYPROGESTERONE, therapeutic use/ MIDDLE AGE/ NEOPLASM RECURRENCE, LOCAL/ PLACEBOS/ *UTERINE NEOPLASMS, drug therapy/ UTERINE NEOPLASMS, mortality/ UTERINE NEOPLASMS, surgery

2401. **Malkinson AM, Gharrett AJ, Hogy L:** Microheterogeneity of adenosine cyclic monophosphate-dependent protein kinases from mouse brain and heart. Biochem J 175(2):367–75, 1 Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *BRAIN, enzymology/ CHEMISTRY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CYTOSOL, enzymology/ IN VITRO/ *ISOENZYMES, metabolism/ KINETICS/ MICE/ *MYOCARDIUM, enzymology/ *PROTEIN KINASE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2402. **Mall-Haefeli M:** Das Progestasert-System. Gynaekol Rundsch 18(3–4):253–62, 1978 **(Ger)**
*ENDOMETRIUM, drug effects/ FEMALE/ GONADOTROPINS, PITUITARY, blood/ HUMAN/ *INTRAUTERINE DEVICES, MEDICATED/ INTRAUTERINE DEVICES, MEDICATED, adverse effects/ MENSTRUATION DISORDERS, chemically induced/ PROGESTERONE, blood/ *PROGESTERONE, pharmacodynamics

2403. **Maller JL, Butcher FR, Krebs EG:** Early effect of progesterone on levels of cyclic adenosine 3':5'-monophosphate in Xenopus oocytes. J Biol Chem 254(3):579–82, 10 Feb 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ CHOLERA TOXIN, pharmacodynamics/ FEMALE/ KINETICS/ OOCYTES, drug effects/ *OOCYTES, metabolism/ *OVUM, metabolism/ *PROGESTERONE, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ XENOPUS

2404. **Malluche HH, Ritz E, Werner E, et al:** Long-term administration of vitamin D steroles in incipient and advanced renal failure: effect on bone histology. Clin Nephrol 10(6):219–28, Dec 78
ADOLESCENCE/ ADULT/ *BONE AND BONES, pathology/ CALCIUM, metabolism/ *CHOLECALCIFEROLS, therapeutic use/ FEMALE/ HUMAN/ INTESTINAL ABSORPTION/ *KIDNEY DISEASES, drug therapy/ KIDNEY DISEASES, metabolism/ KIDNEY DISEASES, pathology/ MALE/ MIDDLE AGE

2405. **Mallya RK, Isaacs AJ, Bayliss R:** Hashimoto's thyroiditis presenting as T3 toxicosis. Br Med J 2(6151):1535–6, 2 Dec 78
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, etiology/ HYPOTHYROIDISM, etiology/ *THYROIDITIS, LYMPHOMATOUS, diagnosis/ THYROIDITIS, LYMPHOMATOUS, physiopathology/ *TRIIODOTHYRONINE, secretion

2406. **Malsbury CW, Daood JT:** Sexual receptivity: critical importance of supraoptic connections of the ventromedial hypothalamus. Brain Res 159(2):451–7, 29 Dec 78
ANIMAL/ BRAIN MAPPING/ BRAIN STEM, physiology/ EFFERENT PATHWAYS, physiology/ FEMALE/ HAMSTERS/ *HYPOTHALAMUS, physiology/ *HYPOTHALAMUS, MEDIAL, physiology/ MALE/ MESOCRICETUS/ PREOPTIC AREA, physiology/ *SEX BEHAVIOR, ANIMAL, physiology/ SUPRAOPTIC NUCLEUS, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2407. **Malsky ML, Bullock DW, Willard JJ, et al:** Progesterone-induced secretory protein. NH2-Terminal sequence of pre-uteroglobin. J Biol Chem 254(5):1580–5, 10 Mar 79
AMINO ACID SEQUENCE/ ANIMAL/ FEMALE/ *GLYCOPROTEINS, biosynthesis/ PLANTS, metabolism/ *PROGESTERONE, pharmacodynamics/ *PROTEIN PRECURSORS, biosynthesis/ RABBITS/ TRANSLATION, GENETIC, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UTEROGLOBIN, biosynthesis/ UTERUS, drug effects/ *UTERUS, metabolism/ WHEAT, metabolism

2408. **Malven PV, Mollett TA:** Relationship between tachycardia, prolactin and growth hormone in conscious ewes. Neuroendocrinology 27(3–4):160–74, 1978
ANIMAL/ COMPARATIVE STUDY/ FEMALE/ *PROLACTIN, blood/ SHEEP DISEASES, blood/ *SHEEP, blood/ *SOMATOTROPIN, blood/ *TACHYCARDIA, blood/ TACHYCARDIA, veterinary/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2409. **Malyshev VV, Treshchuk LI, Popova NS:** Izmenenie soderzhaniia éozinofilov, kortikosterona i katekholaminov v protsesse vosstanovleniia pecheni posle ee rezektsii. Biull Eksp Biol Med 86(12):663–4, Dec 78 (Eng. Abstr.) **(Rus)**
ADRENAL GLANDS, analysis/ ANIMAL/ *CATECHOLAMINES, blood/ CELL NUMBER/ COMPARATIVE STUDY/ *CORTICOSTERONE, blood/ DOPA, blood/ DOPAMINE, blood/ ENGLISH ABSTRACT/ *EOSINOPHILS/ EPINEPHRINE, blood/ HEPATECTOMY/ *LIVER REGENERATION/ MALE/ MYOCARDIUM, analysis/ NOREPINEPHRINE, blood/ RATS/ TIME FACTORS

2410. **Mamakeev MM, Akramov EKh:** Gigantskaia kistoma iaichnika (sluchaĭ iz praktiki). Zdravookhr Kirg (6):50–1, Nov-Dec 78 **(Rus)**
CASE REPORT/ CYSTADENOMA, diagnosis/ *CYSTADENOMA, pathology/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MIDDLE AGE/ OVARIAN NEOPLASMS, diagnosis/ *OVARIAN NEOPLASMS, pathology

2411. **Mangeat PH, Chahinian H, Marchis-Mouren GJ:** Characterization of the cyclic AMP-dependent protein kinase from rat pancreas, further purification of the catalytic subunit, substrate specificity, effect of the pancreatic heat stable inhibitor. Biochimie 60(8):777–85, 1978
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ CHROMATOGRAPHY, DEAE-CELLULOSE, methods/ IN VITRO/ MOLECULAR WEIGHT/ *PANCREAS, enzymology/ PANCREATIC EXTRACTS, pharmacodynamics/ PHOSPHORYLATION/ PROTEIN KINASE, antagonists & inhibitors/ PROTEIN KINASE, isolation & purification/ *PROTEIN KINASE, metabolism/ RATS/ SUBSTRATE SPECIFICITY

2412. **Mankin HJ:** Advances in diagnosis and treatment of bone tumors. N Engl J Med 300(10):543–5, 8 Mar 79 (49 ref.)
BONE AND BONES, pathology/ *BONE NEOPLASMS, diagnosis/ BONE NEOPLASMS, drug therapy/ BONE NEOPLASMS, mortality/ BONE NEOPLASMS, pathology/ BONE NEOPLASMS, radiography/ BONE NEOPLASMS, radionuclide imaging/ BONE NEOPLASMS, surgery/ *BONE NEOPLASMS, therapy/ HUMAN/ NEOPLASM METASTASIS/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2413. **Mann JF, Rascher W, Schömig A, et al:** Inhibition of the renin-angiotensin-system in Brattleboro rats with hereditary hypothalamic diabetes insipidus. Klin Wochenschr 56 Suppl 1:67–70, 1978
*ANGIOTENSIN II, physiology/ ANIMAL/ *DIABETES INSIPIDUS, physiopathology/ DIURESIS, drug effects/ FUROSEMIDE, pharmacodynamics/ KININASE II, antagonists & inhibitors/ MALE/ PROLINE, pharmacodynamics/ RATS/ *RENIN, physiology

2414. **Mann SK, Mann NS:** Effect of chlorophyll-a, fluorouracil, and pituitrin on experimental acute pancreatitis. Arch Pathol Lab Med 103(2):79–81, Feb 79
ACUTE DISEASE/ AMYLASES, blood/ ANIMAL/ *CHLOROPHYLL, therapeutic use/

ENTEROPEPTIDASE/ *FLUOROURACIL, therapeutic use/ MALE/ PANCREAS, pathology/ PANCREATITIS, chemically induced/ PANCREATITIS, pathology/ *PANCREATITIS, prevention & control/ *PITUITARY HORMONES, POSTERIOR, therapeutic use/ *PITUITRIN, therapeutic use/ RATS/ UNITED STATES GOV'T SUPPORTED

2415. **Manning RD Jr, Guyton AC, Coleman TG, et al:** Hypertension in dogs during antidiuretic hormone and hypotonic saline infusion. Am J Physiol 236(2):H314–22, Feb 79
ANIMAL/ *BLOOD PRESSURE/ BODY WATER, physiology/ DOGS/ EXTRACELLULAR SPACE, physiology/ INFUSIONS, PARENTERAL/ KIDNEY, physiology/ *SODIUM CHLORIDE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VASOPRESSINS, pharmacodynamics

2416. **Männistö, Ranta T, Tuomisto J:** Dual action of adrenergic system on the regulation of thyrotrophin secretion in the male rat. Acta Endocrinol (Copenh) 90(2):249–58, Feb 79
ANIMAL/ CLONIDINE, pharmacodynamics/ COLD/ DOPAMINE, pharmacodynamics/ FUSARIC ACID, pharmacodynamics/ LEVODOPA, pharmacodynamics/ MALE/ METHYLTYROSINES, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ *NOREPINEPHRINE, physiology/ PHENOXYBENZAMINE, pharmacodynamics/ RATS/ *RECEPTORS, ADRENERGIC, physiology/ THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, blood/ *THYROTROPIN, secretion/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

2417. **Manny EF, Brown RF, Shaver JW:** Gonad shielding in diagnostic radiology. Recommendation of the FDA and ACR. Postgrad Med 65(3):207–11, Mar 79
COST BENEFIT ANALYSIS/ FEMALE/ HUMAN/ MALE/ MARYLAND/ OVARY/ RADIATION PROTECTION, instrumentation/ *RADIATION PROTECTION, methods/ *RADIOGRAPHY/ RADIOGRAPHY, economics/ RADIOGRAPHY, instrumentation/ *TESTIS, radiation effects

2418. **Manny EF, Brown RF, Shaver JW:** FDA and ACR recommend gonad shielding [editorial] Postgrad Med 65(3):20–1, Mar 79
*GONADS/ HUMAN/ *RADIATION PROTECTION/ RADIOLOGY/ SOCIETIES, MEDICAL/ UNITED STATES FOOD AND DRUG ADMINISTRATION/ UNITED STATES

2419. **Manolagas SC, Anderson DC, Lumb GA:** Glucocorticoids regulate the concentration of 1,25-dihydroxycholecalciferol receptors in bone. Nature 277(5694):314–5, 22 Jan 79
*BONE AND BONES, metabolism/ CYTOSOL, metabolism/ *DIHYDROXYCHOLECALCIFEROLS, metabolism/ *GLUCOCORTICOIDS, pharmacodynamics/ *HYDROXYCHOLECALCIFEROLS, metabolism/ ORGAN CULTURE/ RATS/ *RECEPTORS, DRUG, drug effects/ RECEPTORS, GLUCOCORTICOID, drug effects/ RECEPTORS, GLUCOCORTICOID, metabolism/ SEX HORMONES, pharmacodynamics

2420. **Mantovani A, Peri G, Polentarutti N, et al:** Effects on in vitro tumor growth of macrophages isolated from human ascitic ovarian tumors. Int J Cancer 23(2):157–64, Feb 79
ANIMAL/ *ANTIBODY-DEPENDENT CELL CYTOTOXICITY/ CELL DIVISION/ CELL LINE/ CELL SEPARATION/ FEMALE/ HUMAN/ *MACROPHAGES, immunology/ MONOCYTES, immunology/ NEOPLASM METASTASIS/ NEOPLASMS, EXPERIMENTAL, immunology/ *OVARIAN NEOPLASMS, immunology

2421. **Manzanilla-Sevilla R, González-Iñiguez R, Casanova-Alvarez N, et al:** Tubal sterilization and ovarian perfusion: selective arteriography in vivo and in vitro. Int J Gynaecol Obstet 16(2):137–43, 1978–79
*ADNEXA UTERI, radiography/ ADULT/ FEMALE/ HUMAN/ HYSTEROSALPINGOGRAPHY/ IN VITRO/ *OVARY, blood supply/ OVARY, radiography/ PREGNANCY/ PUERPERIUM/ REGIONAL BLOOD FLOW/ *STERILIZATION, TUBAL/ STERILIZATION, TUBAL, methods

2422. **Maraud R, Vergnaud O, Stoll R:** Action du testicule de poulet traité par la testostérone sur la régression des canaxu de Müller. C R Soc Biol (Paris) 172(3):446–9, 1978 (Eng. Abstr.) **(Fre)**
ANIMAL/ CELL DIFFERENTIATION/ CHICK EMBRYO/ CHICKENS/ ENGLISH ABSTRACT/ FEMALE/ MALE/ MULLERIAN DUCTS, growth & development/ *MULLERIAN DUCTS, physiology/ TESTIS, growth & development/ *TESTIS, physiology/ *TESTOSTERONE, pharmacodynamics

2423. **Marcelo CL, Duell EA, Stawiski MA, et al:** Cyclic nucleotide levels in psoriatic and normal keratomed epidermis. J Invest Dermatol 72(1):20–4, Jan 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ COMPARATIVE STUDY/ *EPIDERMIS, analysis/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ HUMAN/ PROTEIN BINDING/ *PSORIASIS, metabolism/ RADIOIMMUNOASSAY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2424. **March CM, Davajan V, Mishell DR Jr:** Ovulation induction in amenorrheic women. Obstet Gynecol 53(1):8–11, Jan 79
*AMENORRHEA, therapy/ CLOMIPHENE, administration & dosage/ CLOMIPHENE, therapeutic use/ DRUG WITHDRAWAL SYMPTOMS/ FEMALE/ GALACTORRHEA, complications/ HUMAN/ MENOTROPINS, therapeutic use/ *OVULATION INDUCTION/ PROGESTERONE, administration & dosage/ UTERINE HEMORRHAGE/ 2-BROMOERGOCRYPTINE, therapeutic use

2425. **Marche P, Delorme A, Cuisinier-Gleizes P:** Intestinal and placental calcium-binding proteins in vitamin D-deprived or -supplemented rats. Life Sci 23(26):2555–61, 25 Dec 78
ANIMAL/ CALCIUM, blood/ *CALCIUM-BINDING PROTEIN, VITAMIN D-DEPENDENT, metabolism/ *CARRIER PROTEINS, metabolism/ DUODENUM, metabolism/ FEMALE/ FETUS, metabolism/ INTESTINAL MUCOSA, metabolism/ *INTESTINES, metabolism/ PHOSPHATES, blood/ *PLACENTA, metabolism/ PREGNANCY/ RADIOIMMUNOASSAY/ RATS/ *VITAMIN D DEFICIENCY, metabolism/ *VITAMIN D, pharmacodynamics

2426. **Marchiori PE, Scaff M, de Serro Azul LG, et al:** Síndrome de secreção inadequada de hormônio antidiurético tratada com carbonato de lítio. Rev Hosp Clin Fac Med Sao Paulo 33(5):248–53, Oct 78 (Eng. Abstr.) **(Por)**
BRONCHOPNEUMONIA, complications/ CASE REPORT/ CEREBROVASCULAR DISORDERS, complications/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ *INAPPROPRIATE ADH SYNDROME, drug therapy/ INAPPROPRIATE ADH SYNDROME, etiology/ LITHIUM, adverse effects/ *LITHIUM, therapeutic use/ MALE/ MIDDLE AGE/ VASOPRESSINS, secretion

2427. **Marchlewska-Koj A, Bialy E:** Modification of the oestrous cycle by urinary proteins of male mice. Folia Biol (Krakow) 26(4):311–4, 1978
ANIMAL/ *ESTRUS/ HUMAN/ MALE/ MICE/ MICE, INBRED C57BL/ *PHEROMONES, physiology/ *URINE

2428. **Marcucci M:** Meccanismi di ossificazione in condizioni normali e patologiche. Riv Ital Stomatol 47(7–8):26–37, 44, Jul-Aug 78 (33 ref.) **(Ita)**
BONE MATRIX, physiology/ CALCIFICATION, PHYSIOLOGIC/ HISTOCYTOCHEMISTRY/ HUMAN/ *OSSIFICATION, PATHOLOGIC/ *OSSIFICATION, PHYSIOLOGIC/ OSTEOBLASTS, physiology/ REVIEW/ *TOOTH CALCIFICATION

2429. **Marek J, Kopecký A, Schüllerová M, et al:** Somatomedin po podání rustového hormonu u hypofyzárního nanismu. Cesk Pediatr 33(10):582–6, Oct 78 (Eng. Abstr.) **(Cze)**
ADOLESCENCE/ ADULT/ CHILD/ DWARFISM, PITUITARY, blood/ *DWARFISM, PITUITARY, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *SOMATOMEDIN, blood/ *SOMATOTROPIN, administration & dosage/ SOMATOTROPIN, blood

2430. **Marek J, Loutocký A, Pacovský V, et al:** Ten-year experience with DDAVP in treatment of diabetes insipidus. Endokrinologie 72(2):188–94, May 78
ADULT/ AGED/ *ARGIPRESSIN, therapeutic use/ DESMOPRESSIN, administration & dosage/

*DESMOPRESSIN, therapeutic use/ *DIABETES INSIPIDUS, drug therapy/ DIURESIS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HEMATOCRIT/ HEMOGLOBINS, analysis/ HUMAN/ KIDNEY FUNCTION TESTS/ LEUKOCYTE COUNT/ MALE/ MIDDLE AGE

2431. **Margreiter R:** Die Epidemiologie des Mammakarzinoms. Wien Med Wochenschr 128(24):747–52, 30 Dec 78 (87 ref.) **(Ger)**
ADULT/ AGE FACTORS/ BREAST NEOPLASMS, chemically induced/ BREAST NEOPLASMS, familial & genetic/ *BREAST NEOPLASMS, occurrence/ ESTROGENS, adverse effects/ FEMALE/ GEOGRAPHY/ HUMAN/ LACTATION/ MALE/ MIDDLE AGE/ NEOPLASMS, RADIATION-INDUCED/ NUTRITION/ PREGNANCY COMPLICATIONS/ RACIAL STOCKS/ RESERPINE, adverse effects/ REVIEW/ SEX FACTORS/ SEX HORMONES, physiology/ SOCIOECONOMIC FACTORS/ VIRUS DISEASES, complications

2432. **Mariani G, Levorato D, Tuoni M, et al:** Incidental imaging of the large bowel in patients with uretero–sigmoidostomy during bone scintigraphy with 99mTc–pyrophosphate. J Nucl Med Allied Sci 22(3):153–7, Jul–Sep 78
*BONE AND BONES, radionuclide imaging/ CASE REPORT/ FEMALE/ HUMAN/ *INTESTINE, LARGE, radionuclide imaging/ *KIDNEY, radionuclide imaging/ MIDDLE AGE/ SIGMOID, surgery/ *TECHNETIUM, diagnostic use/ URETER, surgery/ *URINARY DIVERSION

2433. **Marietta MP, Vesell ES, Hartman RD, et al:** Characterization of cytochrome P–450–dependent aminopyrine N–demethylase in rat brain: comparison with hepatic aminopyrine N–demethylation. J Pharmacol Exp Ther 208(2):271–9, Feb 79
*AMINOPYRINE N–DEMETHYLASE, metabolism/ ANDROSTENEDIONE, metabolism/ ANILINE COMPOUNDS, metabolism/ ANIMAL/ BENZOPYRENES, metabolism/ *BRAIN, enzymology/ CARBON MONOXIDE, pharmacodynamics/ COMPARATIVE STUDY/ *CYTOCHROME P–450, metabolism/ HEXOBARBITAL, metabolism/ IN VITRO/ KINETICS/ MALE/ MEPERIDINE, metabolism/ MICROSOMES, enzymology/ *MICROSOMES, LIVER, enzymology/ NAD, metabolism/ NADP, metabolism/ PROADIFEN, pharmacodynamics/ PROTEINS, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2434. **Marinari KT, Moltz H:** Serum prolactin levels and vaginal cyclicity in concaveated and lactating female rats. Physiol Behav 21(4):525–8, Oct 78
ANIMAL/ ESTRUS/ FEMALE/ *LACTATION/ *MATERNAL BEHAVIOR/ *OVARY, physiology/ *PHEROMONES, secretion/ PREGNANCY/ *PROLACTIN, blood/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VAGINAL SMEARS

2435. **Marinkovic M, Vrhovac B, Kuzmanic D, et al:** Comparative study with prazosin, methyldopa and polythiazide in arterial hypertension. Int J Clin Pharmacol Biopharm 17(1):38–47, Jan 79
ADULT/ AGED/ BLOOD PRESSURE, drug effects/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ *HYPERTENSION, drug therapy/ HYPERTENSION, physiopathology/ MALE/ METHYLDOPA, adverse effects/ *METHYLDOPA, therapeutic use/ MIDDLE AGE/ POLYTHIAZIDE, adverse effects/ *POLYTHIAZIDE, therapeutic use/ PRAZOSIN, adverse effects/ *PRAZOSIN, therapeutic use/ PULSE, drug effects/ *QUINAZOLINES, therapeutic use/ RENIN, blood

2436. **Markiewicz C, Mazurkiewicz I, Marcinkowski T:** Wczesne, późne i odległe wyniki operacyjnego leczenia jąder niezstąpionych. Ann Acad Med Stetin 24:361–72, 1978 (Eng. Abstr.) **(Pol)**
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ *CRYPTORCHISM, surgery/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ HUMAN/ INFANT/ MALE/ TIME FACTORS

2437. **Markle HV, Warr JL, Branda LA:** Oxytocin binding sites in lactating rabbit mammary gland. Can J Biochem 56(10):968–76, Oct 78
ANIMAL/ CELL MEMBRANE, metabolism/ CHOLESTEROL, analysis/ FEMALE/ *LACTATION/ LIVER, metabolism/ *MAMMAE, metabolism/ MUSCLES, metabolism/ OXYTOCIN, analogs & derivatives/ *OXYTOCIN, metabolism/ PHOSPHOLIPIDS, analysis/ PROTEIN DISULFIDE REDUCTASE (GLUTATHIONE), metabolism/ *RECEPTORS, HORMONE, metabolism/ TRITONS, pharmacodynamics

2438. **Markov CM:** The role of prostaglandins in the pathogenesis of hypertension. Clin Sci Mol Med 55 Suppl 4:207s–210s, Dec 78
AGING/ ANIMAL/ AORTA, metabolism/ *HYPERTENSION, metabolism/ *KIDNEY, metabolism/ *LUNG, metabolism/ MALE/ PROSTAGLANDINS X, metabolism/ *PROSTAGLANDINS, metabolism/ RATS/ STRESS, PSYCHOLOGICAL

2439. **Markovski N, Spasov S, Trepachov S, et al:** Prouchvane na polovite khormoni pri prezhdevremenno razhdane. Akush Ginekol (Sofiia) 17(6):423–8, 1978 (Eng. Abstr.) **(Bul)**
ADULT/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LABOR, PREMATURE, metabolism/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ PROGNOSIS/ *SEX HORMONES, analysis

2440. **Markovski N, Spasov S, Trepechov S, et al:** Nadbubrechnokorova deinost pri prezhdevremenno razhdane. Akush Ginekol (Sofiia) 17(6):391–6, 1978 (Eng. Abstr.) **(Bul)**
ADAPTATION, PHYSIOLOGICAL/ ADOLESCENCE/ ADRENAL CORTEX FUNCTION TESTS/ *ADRENAL CORTEX, physiopathology/ ADULT/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LABOR, PREMATURE, physiopathology/ PREGNANCY

2441. **Marley PB, Brown–Woodman PD, White IG, et al:** Effect of various prostaglandins on the metabolism of fructose by epididymal and ejaculated ram spermatozoa in vitro. Andrologia 10(6):453–63, Nov–Dec 78
ANIMAL/ CARBON DIOXIDE, metabolism/ EJACULATION/ EPIDIDYMIS/ *FRUCTOSE, metabolism/ LACTATES, metabolism/ MALE/ OXYGEN CONSUMPTION, drug effects/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ SHEEP/ *SPERMATOZOA, metabolism

2442. **Marossero F, Ettorre G, Franzini A, et al:** Chronic depth electrodes study of one case of bitemporal epilepsy due to glial tumour. Some physiopathological considerations. Acta Neurochir (Wien) 45(1–2):123–31, 1978
ADOLESCENCE/ AMYGDALOID BODY, surgery/ *BRAIN NEOPLASMS, complications/ CASE REPORT/ ELECTRODES, IMPLANTED/ ELECTROENCEPHALOGRAPHY/ *EPILEPSY, TEMPORAL LOBE, diagnosis/ EPILEPSY, TEMPORAL LOBE, etiology/ EPILEPSY, TEMPORAL LOBE, physiopathology/ EPILEPSY, TEMPORAL LOBE, surgery/ FEMALE/ *GLIOMA, complications/ HIPPOCAMPUS, surgery/ HUMAN/ LIMBIC SYSTEM, physiopathology

2443. **Maroy P, Dennis R, Beckers C, et al:** Demonstration of an ecdysteroid receptor in a cultured cell line of Drosophila melanogaster. Proc Natl Acad Sci USA 75(12):6035–8, Dec 78
BINDING, COMPETITIVE/ CELL LINE/ CELL NUCLEUS, metabolism/ CYTOPLASM, metabolism/ *DROSOPHILA MELANOGASTER, metabolism/ ECDYSONE, metabolism/ ECDYSTERONE, metabolism/ *INSECT HORMONES, metabolism/ *RECEPTORS, HORMONE, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2444. **Marsh WL:** Chronic granulomatous disease, the McLeod syndrome, and the Kell blood groups. Birth Defects 14(6A):9–25, 1978 (42 ref.)
*BLOOD GROUPS, genetics/ ERYTHROCYTES, immunology/ ERYTHROCYTES, pathology/ FEMALE/ GENE FREQUENCY/

*GRANULOMATOUS DISEASE, CHRONIC, familial & genetic/ HUMAN/ *KELL BLOOD-GROUP SYSTEM, genetics/ MALE/ MOSAICISM/ PEDIGREE/ PHENOTYPE/ REVIEW/ SEX CHROMOSOME ABNORMALITIES, familial & genetic/ SYNDROME/ X CHROMOSOME

2445. **Marshall A, Smallwood R:** Oral contraceptives and liver tumours [editorial] Med J Aust 2(6):240–1, 9 Sep 78
*CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HEPATOMA, chemically induced/ HUMAN/ *LIVER NEOPLASMS, chemically induced/ LIVER NEOPLASMS, diagnosis/ LIVER NEOPLASMS, occurrence/ TIME FACTORS

2446. **Marshall GD Jr, Low TL, Thurman GB, et al:** Overview of thymosin activity. Cancer Treat Rep 62(11):1731–7, Nov 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *AUTOIMMUNE DISEASES, drug therapy/ CHEMISTRY/ DRUG EVALUATION/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ GUINEA PIGS/ HUMAN/ *IMMUNOLOGIC DEFICIENCY SYNDROMES, drug therapy/ IN VITRO/ LYMPHOCYTES, immunology/ LYMPHOCYTES, metabolism/ *NEOPLASMS, drug therapy/ *T-LYMPHOCYTES, drug effects/ THYMOSIN, isolation & purification/ *THYMOSIN, pharmacodynamics/ *THYMUS HORMONES, pharmacodynamics

2447. **Mårtensson L, Sjöquist PO, Bjellin L, et al:** Effect of terbutaline sulphate on ovarian, uterine and maternal placental blood flow in the anesthetized guinea pig. Eur J Pharmacol 53(1):57–62, 15 Dec 78
ANESTHESIA/ ANIMAL/ CARDIAC OUTPUT, drug effects/ FEMALE/ GUINEA PIGS/ *OVARY, blood supply/ *PLACENTA, blood supply/ PREGNANCY/ REGIONAL BLOOD FLOW, drug effects/ *TERBUTALINE, pharmacodynamics/ *UTERUS, blood supply

2448. **Martin BR, Voorheis HP, Kennedy EL:** Adenylate cyclase in bloodstream forms of Trypanosoma (Trypanozoon) brucei sp. Biochem J 175(1):207–12, 1 Oct 78
ADENOSINE TRIPHOSPHATE, metabolism/ ADENYL CYCLASE, antagonists & inhibitors/ *ADENYL CYCLASE, metabolism/ ANIMAL/ ENZYME ACTIVATION, drug effects/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MAGNESIUM, pharmacodynamics/ RATS/ SUBCELLULAR FRACTIONS, enzymology/ *TRYPANOSOMA BRUCEI, enzymology

2449. **Martin GP, Marriott C, Kellaway IW:** The interaction of steroidal hormones with mucus glycoproteins [proceedings] J Pharm Pharmacol 30 Suppl:10P, Dec 78
*ETHINYL ESTRADIOL, pharmacodynamics/ *GLYCOPROTEINS, metabolism/ *MUCUS, drug effects/ *PROGESTERONE, pharmacodynamics/ SOLUBILITY/ VISCOSITY

2450. **Martin JB, Terry LC:** Neurobiology of centrally-acting peptides. pp. 209–28.
In: den Hartog Jager, WA, et al., ed. Neurology. Amsterdam, Excerpta Medica, 1978. W3 EX89 no.434 1978. (81 ref.)
ANIMAL/ BRAIN CHEMISTRY/ BRAIN, drug effects/ *BRAIN, physiology/ HUMAN/ LH-FSH RELEASING HORMONE, analysis/ LH-FSH RELEASING HORMONE, pharmacodynamics/ MSH, antagonists & inhibitors/ PEPTIDES, analysis/ *PEPTIDES, physiology/ REVIEW/ SOMATOTROPIN RELEASE INHIBITING HORMONE, analysis/ SOMATOTROPIN RELEASE INHIBITING HORMONE, pharmacodynamics/ SUBCELLULAR FRACTIONS, analysis/ THYROTROPIN RELEASING HORMONE, analysis/ THYROTROPIN RELEASING HORMONE, pharmacodynamics/ THYROTROPIN RELEASING HORMONE, secretion/ TISSUE DISTRIBUTION

2451. **Martin MA, Phillips FC, Tucker GT, et al:** Acebutolol in hypertension: relationships between drug concentration and effects. Eur J Clin Pharmacol 14(6):383–90, 18 Dec 78
ACEBUTOLOL, blood/ ACEBUTOLOL, metabolism/ *ACEBUTOLOL, therapeutic use/ ACETYLATION/ ADULT/ BLOOD PRESSURE, drug effects/ CLINICAL RESEARCH/ DOUBLE-BLIND METHOD/ FEMALE/ HUMAN/ *HYPERTENSION, drug therapy/ MALE/ MIDDLE AGE/ PLACEBOS/ PULSE, drug effects/ RENIN, blood/ TIME FACTORS

2452. **Martin ND:** Endogenous serum TSH levels and metastatic survey scans in thyroid cancer patients using triiodothyronine withdrawal. Clin Nucl Med 3(10):401–3, Oct 78
ADULT/ AGED/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ IODINE RADIOISOTOPES, diagnostic use/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ THYROID NEOPLASMS, blood/ *THYROID NEOPLASMS, radionuclide imaging/ THYROIDECTOMY/ THYROTROPIN, administration & dosage/ *THYROTROPIN, blood/ THYROXINE, blood/ *TRIIODOTHYRONINE, administration & dosage

2453. **Martin RB:** Theoretical analysis of the piezoelectric effect in bone. J Biomech 12(1):55–63, 1979
*BONE AND BONES, physiology/ BONE AND BONES, ultrastructure/ *COLLAGEN, physiology/ CONNECTIVE TISSUE, ultrastructure/ ELECTROPHYSIOLOGY/ MATHEMATICS/ *MODELS, BIOLOGICAL/ PRESSURE/ STRESS, MECHANICAL/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2454. **Martin Rodríguez M, García-Talavera Fernández JR, González Macías J, et al:** Conservación de muestras y reproducibilidad en la determinación de AMPc urinario mediante análisis de competición protéica. Rev Clin Esp 151(1):15–8, 15 Oct 78 (Eng. Abstr.) **(Spa)**
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ ADULT/ ENGLISH ABSTRACT/ HUMAN/ METHODS/ NORMAL VALUES/ *REFRIGERATION/ SPECIMEN HANDLING

2455. **Martinez-Sierra R, Andres-Trelles F, Herrero CV:** Close relation between hypothalamic and cardiac norepinephrine during stress and its role in acute myocardial infarction disrhythmias. Experientia 34(12):1611–3, 15 Dec 78
ADRENAL GLANDS, metabolism/ ANIMAL/ *ARRHYTHMIA, etiology/ *HYPOTHALAMUS, metabolism/ MALE/ MYOCARDIAL INFARCTION, complications/ *MYOCARDIAL INFARCTION, metabolism/ *MYOCARDIUM, metabolism/ *NOREPINEPHRINE, metabolism/ NOREPINEPHRINE, physiology/ PSYCHOTROPIC DRUGS, pharmacodynamics/ RATS/ RESTRAINT, PHYSICAL/ SPLEEN, metabolism/ *STRESS, metabolism

2456. **Martz BL:** Drug management of hypercholesterolemia. Am Heart J 97(3):389–98, Mar 79
CHOLESTYRAMINE, therapeutic use/ CLOFIBRATE, therapeutic use/ COLESTIPOL, therapeutic use/ DEXTROTHYROXINE, therapeutic use/ HUMAN/ *HYPERCHOLESTEREMIA, drug therapy/ NICOTINIC ACIDS, therapeutic use/ PROBUCOL, therapeutic use/ SITOSTEROLS, therapeutic use

2457. **Mascres C, Lepp FH, Lodter JP, et al:** Contribution a l'étude histologique des structures 'faciales' rencontrées dans les embryomes ovariens. Rev Odontostomatol Midi Fr 34(1):3–18, 1976 **(Fre)**
HUMAN/ *OVARIAN NEOPLASMS, pathology/ PERIODONTIUM, pathology/ SALIVARY GLANDS, pathology/ *TERATOID TUMOR, pathology/ TOOTH, pathology

2458. **Mashiter K, Van Noorden S, De Marco L, et al:** Evidence from culture techniques that human pituitary adenomas secrete both growth hormone and prolactin [proceedings] J Endocrinol 79(2):46P–57P, Nov 78
*ADENOMA, secretion/ CELLS, CULTURED/ FEMALE/ HUMAN/ *PITUITARY NEOPLASMS, secretion/ *PROLACTIN, secretion/ *SOMATOTROPIN, secretion

2459. **Masi AT, Kaslow RA:** Sex effects in systemic lupus erythematosus: a clue to pathogenesis. Arthritis Rheum 21(4):480–4, May 78
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ KLINEFELTER'S SYNDROME, occurrence/ LUPUS ERYTHEMATOSUS, SYSTEMIC, etiology/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, occurrence/ MALE/ MIDDLE AGE/ SEX FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UNITED

STATES

2460. **Mason JI, Robidoux WF:** Pregnenolone biosynthesis in isolated cells of Snell rat adrenocortical carcinoma 494.
Mol Cell Endocrinol 12(3):299-308, Dec 78
ADRENAL CORTEX, metabolism/ ANIMAL/ *CARCINOMA, metabolism/ CHOLESTEROL, metabolism/ *CORTICOTROPIN, pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ CYTOCHALASIN B, pharmacodynamics/ CYTOCHROME P-450, metabolism/ HYDROXYCHOLESTEROLS, pharmacodynamics/ MALE/ NEOPLASMS, EXPERIMENTAL, metabolism/ *PREGNENOLONE, biosynthesis/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2461. **Mason ST, Roberts DC, Fibiger HC:** Noradrenaline and neophobia. Physiol Behav 21(3):353-61, Sep 78
ANIMAL/ *ANXIETY, physiopathology/ CEREBRAL CORTEX, physiology/ DRINKING BEHAVIOR, physiology/ EXPLORATORY BEHAVIOR, physiology/ *FEAR, physiology/ HIPPOCAMPUS, physiology/ HYDROXYDOPAMINE, pharmacodynamics/ HYPOTHALAMUS, physiology/ LOCUS COERULEUS, physiology/ MALE/ MOTOR ACTIVITY, physiology/ *NOREPINEPHRINE, physiology/ RATS/ TIME FACTORS

2462. **Massari VJ, Tizabi Y, Jacobowitz DM:** Potential noradrenergic regulation of serotonergic neurons in the median raphe nucleus. Exp Brain Res 34(1):177-82, 2 Jan 79
ANIMAL/ *BRAIN STEM, metabolism/ LOCUS COERULEUS, metabolism/ MALE/ NEURAL PATHWAYS, physiology/ NEURONS, metabolism/ NOREPINEPHRINE, metabolism/ *NOREPINEPHRINE, physiology/ *RAPHE NUCLEI, metabolism/ RATS/ *RECEPTORS, SEROTONIN, metabolism/ *SEROTONIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2463. **Massaro AR:** Modifications of the cerebrospinal fluid IgG concentrations in patients with multiple sclerosis treated with intrathecal steroids. J Neurol 219(4):221-6, 22 Dec 78
ADULT/ FEMALE/ HUMAN/ *IGG, cerebrospinal fluid/ INJECTIONS, INTRATHECAL/ MALE/ MULTIPLE SCLEROSIS, cerebrospinal fluid/ *MULTIPLE SCLEROSIS, drug therapy/ *TRIAMCINOLONE, adrainistration & dosage/ TRIAMCINOLONE, therapeutic use

2464. **Massey LK, Davison MA:** Effects of oral contraceptives on nutritional status. Am Fam Physician 19(1):119-23, Jan 79
BLOOD SUGAR, metabolism/ CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ FEMALE/ FOLIC ACID, metabolism/ HUMAN/ LIPIDS, blood/ MINERALS, metabolism/ NUTRITION DISORDERS, chemically induced/ *NUTRITION, drug effects/ PROTEINS, metabolism/ PYRIDOXINE, metabolism

2465. **Massini P, Käser-Glanzmann R, Lüscher EF:** Movement of calcium ions and their role in the activation of platelets. Thromb Haemost 40(2):212-8, 31 Oct 78 (38 ref.)
BIOLOGICAL TRANSPORT/ *BLOOD PLATELETS, metabolism/ *CALCIUM, metabolism/ CELL MEMBRANE PERMEABILITY/ CELL MEMBRANE, metabolism/ CYTOPLASM, metabolism/ REVIEW

2466. **Massler M:** Oral problems in the aging patient. CAL 41(6):20-3, Dec 77
AGED/ *AGING/ AVITAMINOSIS, complications/ GERIATRIC DENTISTRY, methods/ HORMONES, deficiency/ HUMAN/ *MOUTH DISEASES, etiology/ *MOUTH MUCOSA, physiopathology/ *PERIODONTIUM, physiopathology

2467. **Masuyama Y:** [Ultrastructual changes in the extraocular muscles of thymoma-prone Buffalo/Mna strain rats (author's transl)] Nippon Ganka Gakkai Zasshi 82(11):843-53, 1978 (Eng. Abstr.) **(Jpn)**
ANIMAL/ ENGLISH ABSTRACT/ MALE/ *OCULOMOTOR MUSCLES, ultrastructure/ RATS/ RATS, INBRED STRAINS/ *THYMOMA, ultrastructure/ *THYMUS NEOPLASMS, ultrastructure

2468. **Maternowska W, Zawadzki J:** Diagnostyka i postepowanie w prawdziwym zespole Meigsa. Przegl Lek 35(12):899-900, 1978 **(Pol)**
AGED/ CASE REPORT/ FEMALE/ HUMAN/ *MEIGS' SYNDROME, diagnosis/ MEIGS' SYNDROME, surgery

2469. **Matevosian EG, Tashchian DA, Galstian TV:** Soderzhanie serotonina i gistamina v krovi pri gemorragicheskom vaskulite. Pediatriia (12):27, Dec 78 **(Rus)**
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ CONVALESCENCE/ FEMALE/ *HISTAMINE, blood/ HUMAN/ MALE/ *PURPURA, SCHOENLEIN-HENOCH, blood/ *SEROTONIN, blood

2470. **Matheus M, Sala MA:** Crescimento intra-uterino. Evolução da altura fetal, peso do feto, da placenta e do índice placentário, na segunda metade da gestação. AMB 23(3):88-90, May 77 (Eng. Abstr.) **(Por)**
BODY HEIGHT/ BODY WEIGHT/ ENGLISH ABSTRACT/ FEMALE/ FETAL MONITORING/ *FETUS, physiology/ GESTATIONAL AGE/ HUMAN/ *PLACENTA, physiology/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY

2471. **Mathias CG, Maibach HI, Ostler HB, et al:** Delayed hypersensitivity to retrobulbar injections of methylprednisolone acetate. Am J Ophthalmol 86(6):816-9, Dec 78
ADULT/ BIOPSY/ CASE REPORT/ *DRUG HYPERSENSITIVITY, etiology/ DRUG HYPERSENSITIVITY, pathology/ HUMAN/ *HYPERSENSITIVITY, DELAYED, etiology/ HYPERSENSITIVITY, DELAYED, pathology/ INJECTIONS/ INJECTIONS, INTRADERMAL/ INTRADERMAL TESTS/ IRIDOCYCLITIS, drug therapy/ MALE/ METHYLPREDNISOLONE, administration & dosage/ *METHYLPREDNISOLONE, adverse effects/ METHYLPREDNISOLONE, therapeutic use

2472. **Mathieson BJ, Sharrow SO, Campbell PS, et al:** An Lyt differentiated thymocyte subpopulation detected by flow microfluorometry. Nature 277(5696):478-80, 8 Feb 79
ALLELES/ ANIMAL/ CELL DIFFERENTIATION/ CORTISONE, pharmacodynamics/ DRUG RESISTANCE/ *ISOANTIGENS, analysis/ ISOANTIGENS, genetics/ MICE/ T-LYMPHOCYTES, cytology/ T-LYMPHOCYTES, drug effects/ *T-LYMPHOCYTES, immunology/ THYMUS GLAND, cytology/ *THYMUS GLAND, immunology

2473. **Mathur H, Ekins RP, Brown BL, et al:** Correction for the presence of cross-reactants in saturation assays: application to thyroxine cross-reactivity in 3,3',5'-(reverse)-triiodothyronine radioimmunoassay.
Clin Chim Acta 91(3):317-27, 1 Feb 79
BINDING SITES, ANTIBODY/ CROSS REACTIONS/ HUMAN/ IMMUNE SERUMS, standards/ METHODS/ MODELS, BIOLOGICAL/ RADIOIMMUNOASSAY/ *THYROXINE, blood/ THYROXINE, immunology/ *TRIIODOTHYRONINE, blood/ *TRIIODOTHYRONINE, REVERSE, blood/ TRIIODOTHYRONINE, REVERSE, immunology

2474. **Matkovic V, Kostial K, Simonovic I, et al:** Bone status and fracture rates in two regions of Yugoslavia.
Am J Clin Nutr 32(3):540-9, Mar 79
ADULT/ AGED/ *BONE AND BONES, anatomy & histology/ *CALCIUM, DIETARY, administration & dosage/ FEMALE/ FEMORAL FRACTURES, occurrence/ *FRACTURES, occurrence/ HUMAN/ MALE/ METACARPUS, anatomy & histology/ RADIUS FRACTURES, occurrence/ ULNA FRACTURES, occurrence/ UNITED STATES GOV'T SUPPORTED/ YUGOSLAVIA

2475. **Mato JM, Woelders H, Konijn TM:** Intracellular cyclic GMP-binding proteins in cellular slime molds. J Bacteriol 137(1):169-72, Jan 79
*CARRIER PROTEINS, analysis/ CARRIER PROTEINS, metabolism/ *DICTYOSTELIUM, analysis/ *FUNGAL PROTEINS, analysis/ FUNGAL PROTEINS, metabolism/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *MYXOMYCETES, analysis/ PROTEIN KINASE, metabolism

2476. **Matsuda T, Yamagami S, Mizui T, et al:** Increase of cardiac taurine by glucocorticoids. Biochem Pharmacol 27(24):2973–5, 1978
ANIMAL/ BLOOD PRESSURE, drug effects/ BODY WEIGHT, drug effects/ *GLUCOCORTICOIDS, pharmacodynamics/ MALE/ *MYOCARDIUM, metabolism/ RATS/ STEROIDS, pharmacodynamics/ *TAURINE, metabolism/ TIME FACTORS

2477. **Matsukura S, Yoshimi H, Sueoka S, et al:** The regional distribution of immunoreactive beta-endorphin in the monkey brain. Brain Res 159(1):228–33, 22 Dec 78
ANIMAL/ *BRAIN, metabolism/ CAUDATE NUCLEUS, metabolism/ CEREBRAL CORTEX, metabolism/ CHROMATOGRAPHY, GEL/ *ENDORPHINS, metabolism/ FEMALE/ HYPOTHALAMUS, metabolism/ MACACA/ MALE/ OLFACTORY PATHWAYS, metabolism/ *RADIOIMMUNOASSAY

2478. **Matsumoto T, Kaibara N, Sugimachi K, et al:** Pathophysiology and management of acute gastric mucosal hemorrhage. Jpn J Surg 8(4):261–9, Dec 78
ACUTE DISEASE/ ANIMAL/ CIMETIDINE, therapeutic use/ DOGS/ GASTRIC MUCOSA/ HUMAN/ PEPTIC ULCER HEMORRHAGE, prevention & control/ PEPTIC ULCER HEMORRHAGE, physiopathology/ *PEPTIC ULCER HEMORRHAGE, therapy/ PEPTIC ULCER, prevention & control/ PROSTAGLANDINS E, therapeutic use/ RATS/ SHOCK, TRAUMATIC, therapy/ STEROIDS, therapeutic use/ STRESS, drug therapy

2479. **Matsumura T, Kishimoto T, Maeda T, et al:** Effects of prostaglandin A2 and E2 on renal function and renin release. Jpn Circ J 42(8):927–38, Aug 78
ANIMAL/ BLOOD PRESSURE, drug effects/ DOGS/ *HEMODYNAMICS, drug effects/ INJECTIONS, INTRA-ARTERIAL/ INJECTIONS, INTRAVENOUS/ KIDNEY, blood supply/ *KIDNEY, drug effects/ NATRIURESIS, drug effects/ PROSTAGLANDINS A, administration & dosage/ *PROSTAGLANDINS A, pharmacodynamics/ PROSTAGLANDINS E, administration & dosage/ *PROSTAGLANDINS E, pharmacodynamics/ *RENIN, secretion

2480. **Matsushima S, Morisawa Y:** Effects of acute cold exposure on the ultrastructure of the mouse pinealocyte. Cell Tissue Res 195(3):461–9, 29 Dec 78
ANIMAL/ CELL MEMBRANE, ultrastructure/ *COLD/ CYTOPLASM, ultrastructure/ LYSOSOMES, ultrastructure/ MALE/ MICE/ *PINEAL BODY, ultrastructure

2481. **Matsuura H, Shizume K:** [Serum growth hormone determination with Phadebas hGH PRIST---experimental and clinical studies] Horumon To Rinsho 26(10):1055–8, Oct 78 **(Jpn)**
ACROMEGALY, blood/ DWARFISM, PITUITARY, blood/ FEMALE/ HUMAN/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC/ *SOMATOTROPIN, blood

2482. **Matthews JI, Hooper RG:** Idiopathic bronchial stenosis in a young woman. Chest 74(6):690–1, Dec 78
ADOLESCENCE/ BECLOMETHASONE, therapeutic use/ *BRONCHIAL DISEASES, drug therapy/ CASE REPORT/ CONSTRICTION, PATHOLOGIC, drug therapy/ FEMALE/ HUMAN/ PREDNISONE, therapeutic use

2483. **Máttyus A, Bombitz G, Gergely A, et al:** Antikonvulsivbehandlung und Kalkstoffwechsel. Psychiatr Neurol Med Psychol (Leipz) 30(9):533–44, Sep 78 (Eng. Abstr.) **(Ger)**
ADOLESCENCE/ ALKALINE PHOSPHATASE, blood/ ANTICONVULSANTS, administration & dosage/ *ANTICONVULSANTS, adverse effects/ BONE DISEASES, chemically induced/ BONE DISEASES, radiography/ CALCIUM METABOLISM DISORDERS, blood/ *CALCIUM METABOLISM DISORDERS, chemically induced/ CALCIUM, blood/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ EPILEPSY, drug therapy/ FEMALE/ HUMAN/ MALE/ VITAMIN D, administration & dosage

2484. **Matyushkin DP, Shabunova IA, Sharovarova GM, et al:** On potassium functional feedback in neuromuscular junction. J Neurosci Res 3(5-6):441–50, 1978
ANIMAL/ CALCIUM, metabolism/ ELECTRIC STIMULATION/ EVOKED POTENTIALS, drug effects/ FEEDBACK/ FROGS/ NEURAL TRANSMISSION, drug effects/ *NEUROMUSCULAR JUNCTION, physiology/ POTASSIUM, pharmacodynamics/ *POTASSIUM, physiology/ SYNAPSES, physiology

2485. **Matz DR, Rolf LH, Brune GG:** Serotonin metabolism with idiopathic grand mal seizures. J Neurol 219(4):283–7, 22 Dec 78
*BLOOD PLATELETS, analysis/ CALCIUM, therapeutic use/ COMPARATIVE STUDY/ DRUG THERAPY, COMBINATION/ *EPILEPSY, GRAND MAL, blood/ EPILEPSY, GRAND MAL, drug therapy/ HUMAN/ PHENYTOIN, therapeutic use/ PRIMIDONE, therapeutic use/ *SEROTONIN, blood

2486. **Maudlin I:** Chromosome polymorphism and sex determination in a wild population of tsetse. Nature 277(5694):300–1, 22 Jan 79
ANEUPLOIDY/ ANIMAL/ POLYMORPHISM (GENETICS)/ SEX CHROMOSOMES, physiology/ SEX CHROMOSOMES, ultrastructure/ SEX DETERMINATION/ SEX RATIO/ *TSETSE FLIES, genetics

2487. **Mauli KI, van Nagell JR, Greenfield LJ:** Surgical implications of ovarian vein thrombosis. Am Surg 44(11):727–33, Nov 78
ADOLESCENCE/ ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *OVARY, blood supply/ PREGNANCY/ PUERPERAL DISORDERS, classification/ PULMONARY EMBOLISM, etiology/ THROMBOPHLEBITIS, classification/ THROMBOPHLEBITIS, physiopathology/ *THROMBOPHLEBITIS, surgery

2488. **Maung SL, Follett BK:** The endocrine control by luteinizing hormone of testosterone secretion from the testis of the Japanese quail. Gen Comp Endocrinol 36(1):79–89, Sep 78
ANIMAL/ CASTRATION/ CHICKENS/ *COTURNIX, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FSH, pharmacodynamics/ LH, immunology/ *LH, pharmacodynamics/ MALE/ *QUAIL, metabolism/ SEX MATURATION/ SHEEP/ *TESTIS, secretion/ *TESTOSTERONE, blood/ TIME FACTORS

2489. **Maurer R, Hedinger C:** Primärer Hyperparathyreoidismus. Zur Wertigkeit der histologischen Untersuchung bei konservativer Operationstechnik. Schweiz Med Wochenschr 109(1):6–13, 6 Jan 79 (Eng. Abstr.) **(Ger)**
ENGLISH ABSTRACT/ HUMAN/ *HYPERPARATHYROIDISM, pathology/ HYPERPARATHYROIDISM, surgery/ PARATHYROID GLANDS, pathology/ PARATHYROID GLANDS, surgery

2490. **Mäurer W, Schömig A, Kaden F, et al:** Einfluss von Propranolol und Bunitrolol auf die sympatho-adrenale Aktivität. Verh Dtsch Ges Inn Med (84):1473–7, 1978 **(Ger)**
ADRENAL GLANDS, drug effects/ ADULT/ *BUNITROLOL, pharmacodynamics/ *CATECHOLAMINES, blood/ EXERTION/ HUMAN/ *PROPANOLAMINES, pharmacodynamics/ *PROPRANOLOL, pharmacodynamics

2491. **Mautalen CA, Kvicala R, Perriard D, et al:** Case report: hypoparathyroidism and iron storage disease. Treatment with 25-hydroxy-vitamin D3. Am J Med Sci 276(3):363–8, Nov-Dec 78
ADULT/ BLOOD TRANSFUSION, adverse effects/ CALCIUM, metabolism/ CASE REPORT/ FEMALE/ *HEMOCHROMATOSIS, drug therapy/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, therapeutic use/ HYPOCALCEMIA, drug therapy/ HYPOCALCEMIA, etiology/ HYPOPARATHYROIDISM, drug therapy/ *HYPOPARATHYROIDISM, etiology/ HYPOPARATHYROIDISM, metabolism/ PARATHYROID HORMONE, blood/ THALASSEMIA, complications/ THALASSEMIA, therapy

2492. **Max SR, Schwab M, Dumas M, et al:** Retrograde axonal transport of nerve growth factor in the ciliary ganglion of the chick and the rat. Brain Res 159(2):411–5, 29 Dec 78

ANIMAL/ AUTORADIOGRAPHY/ *AXOPLASMIC FLOW/ CHICKENS/ *CILIARY BODY, innervation/ CYTOCHROME C, metabolism/ *GANGLIA, metabolism/ LECTINS, metabolism/ *NERVE GROWTH FACTOR, metabolism/ NEURONS, metabolism/ PARASYMPATHETIC NERVOUS SYSTEM, metabolism/ RATS/ SUBMANDIBULAR GLAND, innervation/ TETANUS TOXIN, metabolism

2493. **Maxild J:** Effect of externally added ATP and related compounds on active transport of p-aminohippurate and metabolism in cortical slices of the rabbit kidney. Arch Int Physiol Biochim 86(3):509–30, Aug 78
*P-AMINOHIPPURIC ACID, metabolism/ ACETATES, metabolism/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE TRIPHOSPHATE, pharmacodynamics/ *AMINOHIPPURIC ACIDS, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ FEMALE/ GLUCOSE, metabolism/ GLYCOLYSIS, drug effects/ IN VITRO/ KIDNEY CORTEX, drug effects/ *KIDNEY CORTEX, metabolism/ KINETICS/ MALE/ ORGANOPHOSPHORUS COMPOUNDS, pharmacodynamics/ RABBITS/ RIBONUCLEOTIDES, pharmacodynamics

2494. **Maxl F, Krummen K:** Dilution control of aseptically filled oxytocin ampoules, using high-performance liquid chromatography. Pharm Acta Helv 53(7):207–10, 1978
CHROMATOGRAPHY, HIGH SPEED LIQUID/ OSMOLAR CONCENTRATION/ OXYTOCIN, analysis/ *OXYTOCIN, standards/ QUALITY CONTROL

2495. **Maxwell MH, Varady P, Zawada ET, et al:** Maximal discrimination of renovascular from essential hypertension by the saralasin test. Clin Sci Mol Med 55 Suppl 4:297s–299s, Dec 78
*ANGIOTENSIN II, analogs & derivatives/ BLOOD PRESSURE, drug effects/ DIAGNOSIS, DIFFERENTIAL/ DIASTOLE, drug effects/ HUMAN/ *HYPERTENSION, diagnosis/ *HYPERTENSION, RENAL, diagnosis/ *HYPERTENSION, RENOVASCULAR, diagnosis/ RENIN, blood/ *SARALASIN, diagnostic use/ SARALASIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2496. **Mayer RJ:** Hormonal factors in lipogenesis in mammary gland. Vitam Horm 36:101–63, 1978 (172 ref.)
ANIMAL/ FATTY ACID SYNTHETASE COMPLEX, metabolism/ FATTY ACIDS, biosynthesis/ FEMALE/ GESTATIONAL AGE/ *HORMONES, physiology/ IN VITRO/ LACTATION/ *LIPIDS, biosynthesis/ MAMMAE, growth & development/ *MAMMAE, metabolism/ NEOPLASMS, metabolism/ NEOPLASMS, veterinary/ NUCLEOTIDES, CYCLIC, physiology/ PREGNANCY/ PSEUDOPREGNANCY, metabolism/ REVIEW

2497. **Maynard PV, Davies CJ, Elston CW, et al:** Oestrogen receptor content of primary breast tumours as a prognostic indicator of early recurrence [proceedings] J Endocrinol 79(2):50P–51P, Nov 78
BREAST NEOPLASMS, analysis/ *BREAST NEOPLASMS, diagnosis/ FEMALE/ HUMAN/ PROGNOSIS/ *RECEPTORS, ESTROGEN, analysis/ RECURRENCE

2498. **Mazchenko NS:** Oshibki i trudnosti v diagnostike i lechenii zabolevanii shchitovidnoĭ zhelezy. Klin Khir (12):38–9, Dec 78 **(Rus)**
ADULT/ AGED/ CASE REPORT/ DIAGNOSTIC ERRORS/ FEMALE/ *GOITER, EXOPHTHALMIC, diagnosis/ GOITER, EXOPHTHALMIC, surgery/ *GOITER, NODULAR, diagnosis/ GOITER, NODULAR, surgery/ HUMAN/ *THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, surgery

2499. **Mazurkiewicz-Kwilecki IM, Taub H:** Effect of stress on brain histamine. Pharmacol Biochem Behav 9(4):465–8, Oct 78
ANIMAL/ *BRAIN, metabolism/ CORTICOSTERONE, blood/ *HISTAMINE, metabolism/ MALE/ METHYLHISTAMINES, metabolism/ RATS/ *STRESS, PSYCHOLOGICAL, metabolism/ TIME FACTORS

2500. **Mazzuoli GF, Scarda A, D'Erasmo E, et al:** Effetti a distanza del trattamento con radioiodio dell'ipertiroidismo sulla distribuzione dei livelli ematici del calcio e del fosforo in funzione del sesso e dell'età. Rilievi statistici. Minerva Med 69(60):4181–92, 8 Dec 78 (Eng. Abstr.) **(Ita)**
ADULT/ AGE FACTORS/ AGED/ BLOOD PROTEINS, metabolism/ *CALCIUM, blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ *HYPERTHYROIDISM, radiotherapy/ *IODINE RADIOISOTOPES, therapeutic use/ IODOPROTEINS, metabolism/ MALE/ MIDDLE AGE/ *PHOSPHORUS, blood/ SERUM ALBUMIN, metabolism/ SEX FACTORS

2501. **Méary R:** Code de classement des affections, interventions et références bibliographiques intéressant l'orthopédie et la traumatologie. Rev Chir Orthop 64 Suppl 3:1–136, 1978 **(Fre)**
ABNORMALITIES, surgery/ BONE AND BONES, surgery/ HUMAN/ ORTHOPEDIC EQUIPMENT/ *ORTHOPEDICS/ SURGERY, OPERATIVE/ *WOUNDS AND INJURIES, classification

2502. **Mechl Z:** Adjuvant chemotherapy of testicular tumours. Arch Geschwulstforsch 48(7):683–5, 1978
*ANTINEOPLASTIC AGENTS, therapeutic use/ CASTRATION, methods/ DYSGERMINOMA, drug therapy/ DYSGERMINOMA, mortality/ DYSGERMINOMA, surgery/ HUMAN/ MALE/ *TESTICULAR NEOPLASMS, drug therapy/ TESTICULAR NEOPLASMS, mortality/ TESTICULAR NEOPLASMS, radiotherapy/ *TESTICULAR NEOPLASMS, surgery

2503. **Medansky RS, Handler RM, Cook W, et al:** A trial with fluocinonide in recalcitrant dermatoses. Int J Dermatol 18(1):83–8, Jan–Feb 79
DRUG EVALUATION/ FEMALE/ *FLUOCINOLONE ACETONIDE, analogs & derivatives/ *FLUOCINONIDE, administration & dosage/ HUMAN/ MALE/ MIDDLE AGE/ OINTMENTS/ *SKIN DISEASES, drug therapy

2504. **Medina D:** Serial transplantation of chemical carcinogen-induced mouse mammary ductal dysplasias. JNCI 62(2):397–405, Feb 79
ANIMAL/ *BENZANTHRACENES/ FEMALE/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ *MAMMARY NEOPLASMS, EXPERIMENTAL, pathology/ MICE/ MICE, INBRED STRAINS/ NEOPLASM TRANSPLANTATION/ OVARY, physiology/ PRECANCEROUS CONDITIONS, chemically induced/ *PRECANCEROUS CONDITIONS, pathology/ TIME FACTORS/ TRANSPLANTATION, ISOGENEIC/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *URETHANE/ *9,10-DIMETHYL-1,2-BENZANTHRACENE

2505. **Meeker CI:** Candidiasis--an obstinate problem. Med Times 106(12):26–32, Dec 78
ADOLESCENCE/ ADULT/ AGED/ ANTIBIOTICS, adverse effects/ CHRONIC DISEASE/ CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ MIDDLE AGE/ MONILIASIS, VULVOVAGINAL, diagnosis/ *MONILIASIS, VULVOVAGINAL, etiology/ MONILIASIS, VULVOVAGINAL, pathology/ MONILIASIS, VULVOVAGINAL, therapy/ PREGNANCY IN DIABETES, complications/ PREGNANCY COMPLICATIONS, INFECTIOUS, etiology/ PREGNANCY

2506. **Mehrotra RM, Wahal KM, Agarwal PK:** Testicular lymphoma: a clinicopathologic study of 22 cases. Indian J Pathol Microbiol 21(2):91–6, Apr 78
ADOLESCENCE/ ADULT/ AGED/ CHILD/ HUMAN/ *LYMPHOSARCOMA, pathology/ MALE/ MIDDLE AGE/ *TESTICULAR NEOPLASMS, pathology

2507. **Mehta AD:** Regression of amyloidosis in multiple myeloma. Br J Clin Pract 32(12):358–9, 61, Dec 78
*AMYLOIDOSIS, etiology/ CASE REPORT/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ MELPHALAN, therapeutic use/ MIDDLE AGE/

*MULTIPLE MYELOMA, complications/ MULTIPLE MYELOMA, drug therapy/ PREDNISONE, therapeutic use

2508. **Meijer JC, Mulder GH, Rijnberk A, et al:** Hypothalamic corticotrophin releasing factor activity in dogs with pituitary-dependent hyperadrenocorticism. J Endocrinol 79(2):209–13, Nov 78
*ADRENAL GLAND HYPERFUNCTION, metabolism/ ANIMAL/ *CORTICOTROPIN RELEASING HORMONE, metabolism/ CORTICOTROPIN, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ DOGS/ FEMALE/ HYDROCORTISONE, blood/ *HYPOTHALAMUS, metabolism/ MALE

2509. **Meinhof W:** Pathophysiologie und Therapie der Hautkrankheiten. MMW 121(4):131–2, 26 Jan 79 **(Ger)**
ACNE, physiopathology/ ALOPECIA AREATA, drug therapy/ ANDROGEN ANTAGONISTS, therapeutic use/ COLLAGEN DISEASES, physiopathology/ DERMATITIS, physiopathology/ *DERMATITIS, therapy/ DERMATITIS, ATOPIC, drug therapy/ DINITROCHLOROBENZENE, therapeutic use/ FEMALE/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ MALE/ TRANSFER FACTOR, therapeutic use

2510. **Meire HB, Farrant P, Guha T:** Distinction of benign from malignant ovarian cysts by ultrasound. Br J Obstet Gynaecol 85(12):893–9, Dec 78
DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *OVARIAN CYSTS, diagnosis/ OVARIAN CYSTS, pathology/ *OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, pathology/ RETROSPECTIVE STUDIES/ *ULTRASONICS, diagnostic use

2511. **Meisheri KD, Tenner TE Jr, McNeill JH:** Effect of extracellular Na on isoproterenol-induced cAMP levels in depolarized uterus. Eur J Pharmacol 53(1):9–20, 15 Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ D 600, pharmacodynamics/ DRUG INTERACTIONS/ FEMALE/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ IN VITRO/ *ISOPROTERENOL, pharmacodynamics/ POTASSIUM, pharmacodynamics/ RATS/ *SODIUM, pharmacodynamics/ UTERINE CONTRACTION, drug effects/ UTERUS, drug effects/ *UTERUS, metabolism

2512. **Meissi H, Donley CS, Wissler JH:** Free amino acids and amines in the pineal organ of the rainbow trout (Salmo gairdneri): influence of light and dark. Comp Biochem Physiol [C] 61 C(2):401–5, 1978
*AMINES, metabolism/ *AMINO ACIDS, metabolism/ ANIMAL/ CIRCADIAN RHYTHM/ DARKNESS/ *LIGHT/ NEUROHUMORS, metabolism/ *PINEAL BODY, metabolism/ PINEAL BODY, physiology/ *SALMONIDAE, physiology/ SOLUBILITY/ *TROUT, physiology

2513. **Meldrum DR, Abraham GE:** Peripheral and ovarian venous concentrations of various steroid hormones in virilizing ovarian tumors. Obstet Gynecol 53(1):36–43, Jan 79
ANDROSTANES, biosynthesis/ *ANDROSTANES, blood/ ANDROSTENEDIOLS, blood/ ANDROSTENEDIONE, blood/ *ARRHENOBLASTOMA, blood/ CASE REPORT/ DEHYDROEPIANDROSTERONE, blood/ ESTRADIOL, blood/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ HYDROXYPREGNENOLONE, blood/ MIDDLE AGE/ *OVARIAN NEOPLASMS, blood/ *OVARY, blood supply/ PROGESTERONE, blood/ SEX HORMONES, biosynthesis/ *SEX HORMONES, blood/ STANOLONE, blood/ TESTOSTERONE, blood/ VEINS/ 17-HYDROXYCORTICOSTEROIDS, biosynthesis/ *17-HYDROXYCORTICOSTEROIDS, blood

2514. **Melez KA, Reeves JP, Steinberg AD:** Modification of murine lupus by sex hormones. Ann Immunol (Paris) 129 C(5):707–14, Jul-Sep 78
ANIMAL/ AUTOANTIBODIES, analysis/ AUTOIMMUNE DISEASES, drug therapy/ AUTOIMMUNE DISEASES, immunology/ CASTRATION/ DISEASE MODELS, ANIMAL/ DNA, immunology/ ESTRADIOL, immunology/ FEMALE/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ MALE/ MICE/ SEX FACTORS/ SEX MATURATION/ TESTOSTERONE, immunology/ *TESTOSTERONE, therapeutic use

2515. **Mellgren SI, Johnsen HJ:** Steroidindusert myopati. Kliniske og muskelpatologiske aspekter belyst med eget kasus. Tidsskr Nor Laegeforen 99(3):163–4, 28 Feb 79 (Eng. Abstr.) **(Nor)**
AGED/ *ALBUTEROL, adverse effects/ *BETAMETHASONE, adverse effects/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MUSCLES, pathology/ *MUSCULAR DISEASES, chemically induced

2516. **Mellies MJ, Ishikawa TT, Gartside PS, et al:** Effects of varying maternal dietary fatty acids in lactating women and their infants. Am J Clin Nutr 32(2):299–303, Feb 79
CHOLESTEROL, DIETARY, administration & dosage/ *DIETARY FATS, administration & dosage/ FATTY ACIDS, administration & dosage/ FATTY ACIDS, blood/ *FATTY ACIDS, metabolism/ FATTY ACIDS, UNSATURATED, administration & dosage/ FATTY ACIDS, UNSATURATED, metabolism/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ LACTATION/ *MILK, HUMAN, metabolism/ PHYTOSTEROLS, administration & dosage/ PREGNANCY/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2517. **Mello ML:** Computer assessment of chromatin patterns on some germ line cells of the hemipteran, Triatoma infestans Klug. Acta Histochem (Jena) 62(2):254–62, 1978
ANIMAL/ *CHROMATIN, ultrastructure/ COMPUTERS/ MALE/ SPECTROPHOTOMETRY/ *SPERMATOCYTES, ultrastructure/ *SPERMATOZOA, ultrastructure/ *TESTIS, ultrastructure/ *TRIATOMA, anatomy & histology/ *TRIATOMIDAE, anatomy & histology

2518. **Mello NK, Mendelson JH:** Self-administration of an enkephalin analog by rhesus monkey. Pharmacol Biochem Behav 9(5):579–86, Nov 78
ANIMAL/ DRINKING BEHAVIOR/ *ENDORPHINS, administration & dosage/ *ENKEPHALINS, administration & dosage/ FEEDING BEHAVIOR/ MALE/ MONKEYS/ MORPHINE, administration & dosage/ REINFORCEMENT SCHEDULE/ RHESUS MONKEYS/ *SELF ADMINISTRATION/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2519. **Menard RH, Guenthner TM, Kon H, et al:** Studies on the destruction of adrenal and testicular cytochrome P-450 by spironolactone. Requirement for the 7alpha-thio group and evidence for the loss of the heme and apoproteins of cytochrome P-450. J Biol Chem 254(5):1726–33, 10 Mar 79
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, enzymology/ ANIMAL/ APOENZYMES, metabolism/ COMPARATIVE STUDY/ *CYTOCHROME P-450, metabolism/ DOGS/ GUINEA PIGS/ HEME, metabolism/ MALE/ MICROSOMES, drug effects/ MICROSOMES, enzymology/ RATS/ SPECIES SPECIFICITY/ SPIRONOLACTONE, analogs & derivatives/ *SPIRONOLACTONE, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ TESTIS, drug effects/ *TESTIS, enzymology

2520. **Mendel CM, Almon RR:** Associations of [3H]dihydroalprenolol with biological membranes. Gen Pharmacol 10(1):31–40, 1979
ADENYL CYCLASE, metabolism/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ *ALPRENOLOL, analogs & derivatives/ ALPRENOLOL, metabolism/ ANIMAL/ *BRAIN, metabolism/ *ERYTHROCYTE MEMBRANE, metabolism/ *ERYTHROCYTES, metabolism/ IN VITRO/ MICE/ PROPRANOLOL, metabolism/ PROTEIN BINDING, drug effects/ *RECEPTORS, ADRENERGIC, metabolism/ *RECEPTORS, ADRENERGIC, BETA, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2521. **Mendel D, Robinson M:** Electrocochleography in congenital hypothyroidism. Dev Med Child Neurol 20(5):664–7, Oct 78
ACOUSTIC STIMULATION/ AUDITORY THRESHOLD/ BRAIN STEM, physiopathology/ CASE REPORT/ CHILD, PRESCHOOL/ *COCHLEA, physiopathology/ *DEAFNESS,

diagnosis/ DEAFNESS, etiology/ *ELECTRODIAGNOSIS/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, complications/ HYPOTHYROIDISM, drug therapy/ METHODS/ RECRUITMENT (NEUROLOGY)/ THYROXINE, therapeutic use

2522. **Mendelsohn G, Olson JL:** Pheochromocytomas [letter] Hum Pathol 9(5):607–8, Sep 78
*CYTOPLASMIC GRANULES, ultrastructure/ HUMAN/ NEUROSECRETION/ *PHEOCHROMOCYTOMA, ultrastructure

2523. **Mensch JS:** Rigid stabilization of fractures using adjunctive methylmethacrylate. J Fla Med Assoc 66(1):45–8, Jan 79
AGED/ BONE NAILS/ FEMALE/ *FRACTURE FIXATION, INTERNAL, methods/ *FRACTURES, SPONTANEOUS, surgery/ HIP FRACTURES, surgery/ HUMAN/ *METHYLMETHACRYLATE, therapeutic use/ MIDDLE AGE/ NEOPLASMS, complications/ OSTEOPOROSIS, complications

2524. **Mereto GC, Filippucci GF:** L'impiego dell'althesin in chirurgia generale. Minerva Anestesiol 44(6):397–9, Jun 78 **(Ita)**
*ALTHESIN/ ALTHESIN, administration & dosage/ ALTHESIN, adverse effects/ *ANESTHESIA, INTRAVENOUS, methods/ DRUG EVALUATION/ HUMAN/ MONITORING, PHYSIOLOGIC/ PREANESTHETIC MEDICATION/ *PREGNANEDIONES/ PREGNANEDIONES, administration & dosage/ PREGNANEDIONES, adverse effects

2525. **Mereto GC:** L'althesin nell'indagine broncoscopica. Minerva Anestesiol 44(6):401–4, Jun 78 (Eng. Abstr.) **(Ita)**
ADOLESCENCE/ ADULT/ AGED/ *ALTHESIN/ ALTHESIN, administration & dosage/ *ANESTHESIA, INTRAVENOUS, methods/ *BRONCHOSCOPY/ DRUG EVALUATION/ ENGLISH ABSTRACT/ HUMAN/ MIDDLE AGE/ *PREGNANEDIONES/ PREGNANEDIONES, administration & dosage

2526. **Merlini S:** La storia del rachitismo. Minerva Dietol Gastroenterol 24(2):175–9, Apr–Jun 78 **(Ita)**
AFRICA/ CHILD/ EUROPE/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ INDIA/ INFANT/ NORTH AMERICA/ *RICKETS, history

2527. **Messina A, Messina L, Mazzarino C, et al:** La secrezione dell'ormone della crescita dopo stimolazione con glucosio e aminoacidi. Boll Soc Ital Biol Sper 54(5):472–7, 15 Mar 78 **(Ita)**
*AMINO ACIDS, ESSENTIAL, pharmacodynamics/ BLOOD SUGAR, analysis/ *GLUCOSE, pharmacodynamics/ HUMAN/ INFANT, NEWBORN/ *INFANT, PREMATURE/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion/ TIME FACTORS

2528. **Mest HJ, Förster W:** The antiarrhythmic action of prostacyclin (PGI2) on aconitine induced arrhythmias in rats. Acta Biol Med Ger 37(5–6):827–8, 1976
ACONITINE/ ANIMAL/ ARRHYTHMIA, chemically induced/ *ARRHYTHMIA, physiopathology/ ARRHYTHMIA, SINUS, chemically induced/ ARRHYTHMIA, SINUS, physiopathology/ FEMALE/ HEART, drug effects/ *HEART, physiopathology/ MALE/ *PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RATS

2529. **Mestwerdt W, Brandau H, Müller O:** Struktur und Funktion steroidaktiver Zellen im Postmenopause–ovar (elektronenmikroskopische und histochemische Befunde). Acta Histochem [Suppl] (Jena) 14:255–70, 1975 **(Ger)**
AGED/ CERVIX NEOPLASMS, metabolism/ *CERVIX NEOPLASMS, ultrastructure/ COMPARATIVE STUDY/ ESTRADIOL, blood/ ESTROGENS, biosynthesis/ ESTROGENS, urine/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ HYSTERECTOMY/ *MENOPAUSE/ MIDDLE AGE/ OVARY, metabolism/ OVARY, surgery/ *OVARY, ultrastructure/ *STEROIDS, biosynthesis/ UTERINE NEOPLASMS, metabolism/ *UTERINE NEOPLASMS, ultrastructure/ 17-KETOSTEROIDS, urine

2530. **Meyer E, Gdal–On M, Zonis S:** Spontaneous luxation of the eyeball associated with branch thrombosis of the central retinal vein. Ann Ophthalmol 10(12):1681–4, Dec 78
AGED/ BONE DISEASES, complications/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ *EXOPHTHALMOS, complications/ EXOPHTHALMOS, diagnosis/ EXOPHTHALMOS, etiology/ HUMAN/ MALE/ OCULOMOTOR MUSCLES, abnormalities/ ORBIT, radiography/ RETINAL HEMORRHAGE, diagnosis/ *RETINAL VEIN/ *THROMBOSIS, complications

2531. **Meyer R, Posalaky Z, McGinley D:** Development of Sertoli cell junctions in vitro—a freeze–fracture study. In Vitro 14(11):916–23, Nov 78
FREEZE FRACTURING/ *INTERCELLULAR JUNCTIONS, ultrastructure/ MALE/ ORGAN CULTURE/ RATS/ SEMINIFEROUS TUBULES/ *SERTOLI CELLS, ultrastructure

2532. **Mezey E, Potter JJ, Merchant CR:** Effect of ethanol feeding on bone composition in the rat. Am J Clin Nutr 32(1):25–9, Jan 79
*ALCOHOLISM, metabolism/ ANIMAL/ *BONE AND BONES, metabolism/ CALCIUM, metabolism/ *COLLAGEN, metabolism/ GLYCOSAMINOGLYCANS, urine/ HYDROXYPROLINE, metabolism/ HYDROXYPROLINE, urine/ MALE/ *MINERALS, metabolism/ NITROGEN, metabolism/ OSTEOMALACIA, etiology/ PHOSPHORUS, metabolism/ RATS/ TIBIA, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2533. **Miachon S, Peyrin L, Cier JF:** Role de la sérotonine duodénale dans les effets pharmacologiques de la dopa et de la dopamine sur le duodénum isolé de rat. Arch Int Physiol Biochim 86(3):593–600, Aug 78 (Eng. Abstr.) **(Fre)**
P-CHLOROPHENYLALANINE, pharmacodynamics/ ANIMAL/ *DOPA, pharmacodynamics/ *DOPAMINE, pharmacodynamics/ DUODENUM, drug effects/ *DUODENUM, physiology/ ENGLISH ABSTRACT/ MALE/ RATS/ SEROTONIN, metabolism/ *SEROTONIN, physiology

2534. **Michel JP, Bonnetblanc JM, Catanzano G, et al:** Cutaneous thickening in hyperthyroidism treated with radioactive iodine and sotalol [letter] Lancet 1(8106):54–5, 6 Jan 79
FEMALE/ HUMAN/ *HYPERTHYROIDISM, therapy/ IODINE RADIOISOTOPES/ MALE/ MIDDLE AGE/ *SCLERODERMA, CIRCUMSCRIBED, chemically induced/ *SOTALOL, adverse effects/ SOTALOL, therapeutic use

2535. **Michell AR:** Sodium 'need' and sodium appetite during the estrous cycle of sheep. Physiol Behav 21(4):519–23, Oct 78
ANIMAL/ *APPETITE, physiology/ *ESTRUS/ FEMALE/ POTASSIUM, metabolism/ SHEEP/ SODIUM, metabolism/ *SODIUM, physiology/ WATER-ELECTROLYTE BALANCE

2536. **Micic MD, Savkovic NV, Micic SR:** Chromosomal and histological changes in the reproductive organs of infertile men. Hum Genet 45(2):111–4, 18 Dec 78
ADULT/ CHROMOSOME ABERRATIONS/ *CHROMOSOMES, HUMAN, ultrastructure/ HUMAN/ MALE/ MEIOSIS/ SPERMATOGENESIS/ *STERILITY, MALE, familial & genetic/ *TESTIS, ultrastructure

2537. **Miclo A, Germain P:** Bioconversion de stéroïdes par des mutants de Nocardia restrictus. C R Soc Biol (Paris) 172(3):534–41, 1978 (Eng. Abstr.) **(Fre)**
*ANDROSTENEDIONE, metabolism/ ENGLISH ABSTRACT/ GLUCOSE, metabolism/ MUTATION/ *NOCARDIA, metabolism/ PROGESTERONE, metabolism/ SPECIES SPECIFICITY

2538. **Micouin C, Bensa JC, Schweitzer B, et al:** Autosensibilisation érthrocytaire de nature IgG apparemment liée à l'ingestion de cyclofénil. Nouv Presse Med 7(43):3938, 2 Dec 78 (Eng. Abstr.) **(Fre)**
ADOLESCENCE/ ADULT/ *AUTOIMMUNE DISEASES, chemically induced/ *CRESOLS, adverse effects/ *CYCLOFENIL, adverse effects/ ENGLISH ABSTRACT/ ERYTHROCYTES, immunology/ FEMALE/ HUMAN/ *IGG, immunology/ MIDDLE AGE

2539. **Mielens ZE:** Evaluation of the antiasthmatic potential of oxarbazole in guinea pigs. Pharmacology 17(6):323–9, 1978

ANIMAL/ BRADYKININ, administration & dosage/ BRONCHIAL SPASM, chemically induced/ *BRONCHIAL SPASM, drug therapy/ *BRONCHODILATOR AGENTS, therapeutic use/ CARBACHOL, pharmacodynamics/ *CARBAZOLES, therapeutic use/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SCREENING/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ PRESSURE/ PROSTAGLANDINS F, pharmacodynamics/ SEROTONIN, pharmacodynamics/ SRS-A, administration & dosage/ TRACHEA, drug effects

2540. **Mielke U:** Der funktionelle Kopfschmerz im Kindes- und Jugendalter. Z Aerztl Fortbild (Jena) 72(24):1179–84, 15 Dec 78 **(Ger)**
ADOLESCENCE/ AGE FACTORS/ BRAIN INJURIES, ACUTE, complications/ CHILD/ EPILEPSY, complications/ *HEADACHE, etiology/ HEADACHE, psychology/ HUMAN/ MIGRAINE, etiology/ PARENT-CHILD RELATIONS/ PERSONALITY/ PSYCHOPHYSIOLOGIC DISORDERS, complications/ TETANY, complications/ VASCULAR HEADACHE, etiology

2541. **Mierzwiński R, Małysiak M, Wasilewski A, et al:** Współistnienie mięśniaków macicy z innymi procesami chorobowymi macicy i przydatków. Ginekol Pol 49(9):775–80, Sep 78 (Eng. Abstr.) **(Pol)**
*ADNEXITIS, complications/ ADULT/ *CERVIX DYSPLASIA, complications/ *CERVIX NEOPLASMS, complications/ *ENDOMETRIOSIS, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LEIOMYOMA, complications/ MIDDLE AGE/ *OVARIAN NEOPLASMS, complications/ *TUBERCULOSIS, FEMALE GENITAL, complications/ *UTERINE NEOPLASMS, complications

2542. **Miettinen TA, Toivonen I:** Treatment of severe and mild hypercholesterolaemia with probucol and neomycin. Postgrad Med J 51(8):suppl 71–5, 1975
CLINICAL RESEARCH/ FECES, analysis/ HUMAN/ *HYPERCHOLESTEREMIA, drug therapy/ HYPERCHOLESTEREMIA, familial & genetic/ LIPOPROTEINS, LDL, blood/ LIPOPROTEINS, VLDL, blood/ *NEOMYCIN, therapeutic use/ *PHENOLS, therapeutic use/ PLACEBOS/ PROBUCOL, administration & dosage/ *PROBUCOL, therapeutic use/ STEROIDS, analysis/ TRIGLYCERIDES, blood/ XANTHOMATOSIS, drug therapy

2543. **Migunov VN, Pozina IM, Charyshkina LV, et al:** Radioimmunologicheskoe opredelenie nekotorykh gormonov v kommercheskikh preparatakh immunoglobulinov. Zh Mikrobiol Epidemiol Immunobiol (8):100–3, Aug 78 (Eng. Abstr.) **(Rus)**
BLOOD CHEMICAL ANALYSIS/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ FETAL BLOOD, analysis/ FSH, analysis/ GONADOTROPINS, CHORIONIC, analysis/ *HORMONES, analysis/ HUMAN/ *IMMUNOGLOBULINS/ IMMUNOGLOBULINS, isolation & purification/ LH, analysis/ PLACENTA, analysis/ PLACENTAL LACTOGEN, analysis/ PREGNANCY/ PROLACTIN, analysis/ RADIOIMMUNOASSAY

2544. **Mikhaĭlik TA:** Vliianie digratsii i degidratsii organizma zhivotnykh na bioénergeticheskie i mediatornye protsessy v neirosekretornykh kletkakh perednego gipotalamusa. Biull Eksp Biol Med 86(12):734–7, Dec 78 (Eng. Abstr.) **(Rus)**
ACETYLCHOLINESTERASE, metabolism/ ANIMAL/ CHINCHILLAS/ *DEHYDRATION, enzymology/ ENGLISH ABSTRACT/ HISTOCYTOCHEMISTRY/ *HYPOTHALAMUS, enzymology/ *HYPOTHALAMUS, ANTERIOR, enzymology/ HYPOTHALAMUS, POSTERIOR, enzymology/ MALE/ MONOAMINE OXIDASE, metabolism/ OXIDOREDUCTASES, metabolism/ PARAVENTRICULAR NUCLEUS, enzymology/ RABBITS/ SUPRAOPTIC NUCLEUS, enzymology

2545. **Mikhaĭlov IuM, Gudkova AV, Belousova NA, et al:** Otsenka effektivnosti profilaktiki endemicheskogo zoba v Sverdlovskoĭ oblasti. Sov Med (11):102–5, Nov 78 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ AGED/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ *GOITER, ENDEMIC, prevention & control/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ IODINE, therapeutic use/ MALE/ MIDDLE AGE/ PREVENTIVE HEALTH SERVICES, history/ RUSSIAN FEDERATION (ASIA)

2546. **Mikhaĭlov IuM:** Puti uluchsheniia rezul'tatov khirurgicheskogo lecheniia toksicheskogo zoba. Sov Med (12):48–52, Dec 78 (Eng. Abstr.) **(Rus)**
ENGLISH ABSTRACT/ FEMALE/ *GOITER, EXOPHTHALMIC, surgery/ HUMAN/ METHODS

2547. **Mikulski T:** Dynamika zmian układu kostnego szczurów w przewlekłym zatruciu kadmem. Med Pr 29(6):459–69, 1978 (Eng. Abstr.) **(Pol)**
ALKALINE PHOSPHATASE, blood/ AMINOTRANSFERASES, blood/ ANIMAL/ *BONE AND BONES, drug effects/ *CADMIUM POISONING/ ENGLISH ABSTRACT/ ERYTHROCYTES, drug effects/ HEMATOCRIT/ MALE/ RATS/ TIME FACTORS

2548. **Milad M, Wassif N, Sabet S:** The pathogenesis of the teratogenic effect of the antidiabetic drug 'tolbutamide': an experimental study. J Egypt Public Health Assoc 52(5):356–67, 1977
*ABNORMALITIES, DRUG-INDUCED, pathology/ ANIMAL/ FEMALE/ *FETUS, pathology/ MICE/ MICE, INBRED STRAINS/ MUSCLES, pathology/ PREGNANCY/ THYROID GLAND, pathology/ *TOLBUTAMIDE, toxicity

2549. **Milcu SM, Saim A:** The endocrine syndrome of occult tuberculosis. Endocrinologie 16(4):253–6, Oct-Dec 78
ADULT/ CASE REPORT/ FEMALE/ *HORMONES, physiology/ HUMAN/ MALE/ SYNDROME/ *TUBERCULOSIS, PULMONARY, complications/ TUBERCULOSIS, PULMONARY, drug therapy/ TUBERCULOSIS, PULMONARY, physiopathology

2550. **Miles P:** Determination of iodide in nutritional beverage products using an ion selective electrode. J Assoc Off Anal Chem 61(6):1366–9, Nov 78
*BEVERAGES, analysis/ ELECTRODES/ HUMAN/ *INFANT FOOD, analysis/ *IODIDES, analysis/ MILK PROTEINS, analysis/ PLANT PROTEINS, analysis/ SOY BEANS

2551. **Milhaud G, Calmettes C, Jullienne A, et al:** Calcitonine et hypercalcémies. Sem Hop Paris 54(29–32):911–7, 8–15 Oct 78 (Eng. Abstr.) **(Fre)**
AMINO ACID SEQUENCE/ BONE NEOPLASMS, analysis/ *CALCITONIN, blood/ CALCITONIN, immunology/ CALCITONIN, physiology/ ENGLISH ABSTRACT/ HUMAN/ *HYPERCALCEMIA, blood/ HYPERCALCEMIA, physiopathology/ HYPERPARATHYROIDISM, diagnosis/ HYPERTHYROIDISM, blood/ KIDNEY FAILURE, ACUTE, diagnosis/ RADIOIMMUNOASSAY

2552. **Millbern SM, Bell SD:** Prevention of anaphylaxis to contrast medium. Anesthesiology 50(1):56–7, Jan 79
ANGIOCARDIOGRAPHY, adverse effects/ *ANGIOGRAPHY, adverse effects/ CASE REPORT/ *DIATRIZOATE, analogs & derivatives/ DIPHENHYDRAMINE, administration & dosage/ *DIPHENHYDRAMINE, therapeutic use/ DRUG HYPERSENSITIVITY, drug therapy/ *DRUG HYPERSENSITIVITY, prevention & control/ EPINEPHRINE, administration & dosage/ EPINEPHRINE, therapeutic use/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ MEGLUMINE DIATRIZOATE, administration & dosage/ *MEGLUMINE DIATRIZOATE, adverse effects/ METHYLPREDNISOLONE, administration & dosage/ *METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE

2553. **Miller A:** Differentialdiagnose bei Schilddrüsenkrankheiten mit neuen Methoden. Migrations-Inhibitions-Test (MIT), Hochvoltelektrophorese und Bestimmung des Reverse-Trijodthyronin (r-T3-RIA). ZFA (Stuttgart) 55(3):153–9, 31 Jan 79 **(Ger)**
CELL MIGRATION INHIBITION/ DIAGNOSIS, DIFFERENTIAL/ ELECTROPHORESIS, methods/ HUMAN/ HYPOTHYROIDISM, congenital/ THYROID DISEASES, blood/ *THYROID DISEASES, diagnosis/ TRIIODOTHYRONINE,

REVERSE, blood

2554. **Miller CJ, Becker DW Jr:** Management of first trimester breast enlargement with necrosis. Plast Reconstr Surg 63(3):383–6, Mar 79
ABORTION, THERAPEUTIC/ ADOLESCENCE/ ADULT/ BREAST DISEASES, drug therapy/ BREAST DISEASES, pathology/ *BREAST DISEASES, surgery/ CASE REPORT/ DYDROGESTERONE, therapeutic use/ FEMALE/ HUMAN/ INFANT, NEWBORN/ MASTECTOMY/ NECROSIS/ *PREGNANCY COMPLICATIONS, surgery/ PREGNANCY TRIMESTER, FIRST/ PREGNANCY/ SKIN, transplantation/ *SURGERY, PLASTIC

2555. **Miller D:** Early adolescence: its psychology, psychopathology, and implications for therapy. Adolesc Psychiatry 6:434–47, 1978
ACTING OUT/ ADOLESCENCE/ *ADOLESCENT PSYCHOLOGY/ BODY IMAGE/ FAMILY/ FEMALE/ HUMAN/ INDIVIDUATION/ MALE/ *MENTAL DISORDERS, psychology/ MENTAL DISORDERS, therapy/ PSYCHOSEXUAL DEVELOPMENT/ *PSYCHOTHERAPY, methods/ PUBERTY/ RESIDENTIAL TREATMENT/ SOCIAL ADJUSTMENT

2556. **Miller F:** Uterine activity, labor management, and perinatal outcome. Semin Perinatol 2(2):181–6, Apr 78
CERVIX UTERI, physiology/ DILATATION/ FEMALE/ FETAL DEATH/ FETAL MONITORING/ HUMAN/ INFANT MORTALITY/ INFANT, NEWBORN/ INFUSIONS, PARENTERAL/ LABOR, INDUCED/ MONITORING, PHYSIOLOGIC, methods/ OXYTOCIN, administration & dosage/ PELVIMETRY/ PREGNANCY/ PRESSURE/ *UTERINE CONTRACTION

2557. **Miller JM, Hamburger JI, Kini S:** Diagnosis of thyroid nodules. Use of fine-needle aspiration and needle biopsy. JAMA 241(5):481–4, 2 Feb 79
*ADENOMA, diagnosis/ ADOLESCENCE/ ADULT/ AGED/ *BIOPSY, NEEDLE, instrumentation/ COMPARATIVE STUDY/ CYTOLOGICAL TECHNICS/ FALSE POSITIVE REACTIONS/ FEMALE/ HISTOLOGICAL TECHNICS/ HUMAN/ MALE/ MIDDLE AGE/ RISK/ *THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, surgery

2558. **Miller JM Jr, Surwit EA, Hammond CB:** Choriocarcinoma following term pregnancy. Obstet Gynecol 53(2):207–12, Feb 79
ADULT/ *CHORIOCARCINOMA, etiology/ CHORIOCARCINOMA, mortality/ CHORIOCARCINOMA, therapy/ FEMALE/ GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ NEOPLASM METASTASIS/ *PREGNANCY/ PROGNOSIS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UTERINE NEOPLASMS, etiology/ UTERINE NEOPLASMS, mortality/ UTERINE NEOPLASMS, therapy

2559. **Miller ML, Samuelson CO, Ward JR:** Hematologic and serologic studies in 6-sulfanilamidoindazole arthritis. Arthritis Rheum 21(6):681–9, Jul-Aug 78
ADMINISTRATION, ORAL/ AGE FACTORS/ ANIMAL/ ARTHRITIS, blood/ *ARTHRITIS, chemically induced/ ARTHRITIS, prevention & control/ BETA GLOBULINS, analysis/ COMPLEMENT, analysis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FIBRIN FIBRINOGEN DEGRADATION PRODUCTS, analysis/ FIBRINOGEN, analysis/ HINDLIMB/ HYPOPHYSECTOMY/ INJECTIONS, SUBCUTANEOUS/ IRON, blood/ MALE/ METHYLPREDNISOLONE, administration & dosage/ METHYLPREDNISOLONE, therapeutic use/ PROTEIN BINDING/ RATS/ SERUM ALBUMIN, analysis/ *SULFANILAMIDES/ SULFANILAMIDES, administration & dosage/ SULFANILAMIDES, blood

2560. **Miller PD, Krebs RA, Neal BJ, et al:** Hypomagnesemia. Suppression of secondary hyperparathyroidism in chronic renal failure. JAMA 241(7):722–3, 16 Feb 79
CASE REPORT/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, SECONDARY, physiopathology/ HYPOCALCEMIA, physiopathology/ *KIDNEY FAILURE, CHRONIC, physiopathology/ MAGNESIUM, adverse effects/ *MAGNESIUM, blood/ MAGNESIUM, therapeutic use/ MALABSORPTION SYNDROMES, complications/ MIDDLE AGE/ PARATHYROID HORMONE, secretion

2561. **Miller RD, Warren WJ, Sizemore RC, et al:** Binding of cholesterol by Neisseria gonorrhoeae. Infect Immun 22(3):698–708, Dec 78
CELL MEMBRANE, metabolism/ *CHOLESTEROL, metabolism/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MAGNESIUM, pharmacodynamics/ *NEISSERIA GONORRHOEAE, metabolism/ PSEUDOMONAS AERUGINOSA, metabolism/ SALMONELLA TYPHIMURIUM, metabolism/ SERUM ALBUMIN, BOVINE, pharmacodynamics/ STEROIDS, pharmacodynamics/ TEMPERATURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2562. **Miller RJ, Cuatrecasas P:** Enkephalins and endorphins. Vitam Horm 36:297–382, 1978 (258 ref.)
ANALGESICS/ ANIMAL/ CENTRAL NERVOUS SYSTEM, analysis/ ELECTROPHYSIOLOGY/ ENDORPHINS, analysis/ ENDORPHINS, metabolism/ ENDORPHINS, pharmacodynamics/ *ENDORPHINS, physiology/ ENKEPHALINS, analysis/ ENKEPHALINS, metabolism/ ENKEPHALINS, pharmacodynamics/ *ENKEPHALINS, physiology/ FLUORESCENT ANTIBODY TECHNIC/ GASTROINTESTINAL SYSTEM, analysis/ HUMAN/ MOLECULAR CONFORMATION/ NEUROHUMORS, metabolism/ NEUROSECRETORY SYSTEMS, drug effects/ PITUITARY GLAND, analysis/ RADIOIMMUNOASSAY/ RECEPTORS, NARCOTIC, metabolism/ REVIEW/ STRUCTURE-ACTIVITY RELATIONSHIP

2563. **Miller RW:** Environmental causes of cancer in childhood. Adv Pediatr 25:97–119, 1978 (130 ref.)
ADOLESCENCE/ ADULT/ ASBESTOS, adverse effects/ BREAST NEOPLASMS, etiology/ *CARCINOGENS, ENVIRONMENTAL, adverse effects/ CHILD/ DIETHYLSTILBESTROL, adverse effects/ FEMALE/ HUMAN/ INFANT/ LEUKEMIA, etiology/ MALE/ *NEOPLASMS, etiology/ NEOPLASMS, familial & genetic/ PARASITIC DISEASES, complications/ PREGNANCY/ *RADIATION EFFECTS/ RADIATION, IONIZING, adverse effects/ REVIEW/ SKIN NEOPLASMS, etiology/ THORACIC NEOPLASMS, etiology/ THYROID NEOPLASMS, etiology/ *TUMOR VIRUS INFECTIONS, etiology/ VAGINAL NEOPLASMS, chemically induced

2564. **Miller TA, Jacobson ED:** Gastrointestinal cytoprotection by prostaglandins. Gut 20(1):75–87, Jan 79 (98 ref.)
ACUTE DISEASE/ ANALGESICS, ANTI-INFLAMMATORY, adverse effects/ ANIMAL/ GASTRIC MUCOSA, blood supply/ HUMAN/ *INTESTINES, physiology/ MALE/ PEPTIC ULCER, chemically induced/ PEPTIC ULCER, prevention & control/ *PROSTAGLANDINS, physiology/ PROSTAGLANDINS, therapeutic use/ REVIEW/ STOMACH ULCER, chemically induced/ STOMACH ULCER, prevention & control/ *STOMACH, physiology/ TIME FACTORS

2565. **Milligan MP, Moore DM, Singh MM, et al:** Bromocriptine in the treatment of secondary amenorrhoea and ovarian dysfunction in hyper- and normo-prolactinaemic patients. Curr Med Res Opin 5(9):734–8, 1978
AMENORRHEA, blood/ *AMENORRHEA, drug therapy/ CLINICAL RESEARCH/ FEMALE/ HUMAN/ OVARIAN DISEASES, blood/ *OVARIAN DISEASES, drug therapy/ *PROLACTIN, blood/ 2-BROMOERGOCRYPTINE, adverse effects/ *2-BROMOERGOCRYPTINE, therapeutic use

2566. **Millonig G, Morano E, Bollero E, et al:** Ultrastructural study of gonads in the complete and incomplete feminization syndrome. Gynecol Obstet Invest 9(1):16–31, 1978
ADOLESCENCE/ ADULT/ HUMAN/ LEYDIG CELLS, ultrastructure/ MALE/ SEMINIFEROUS TUBULES, ultrastructure/ SERTOLI CELLS, ultrastructure/ *TESTICULAR FEMINIZATION,

pathology/ *TESTIS, ultrastructure

2567. **Milner JS, Gilbert LF, Prewett MJ:** Electroconvulsive shock and the estrous cycle in the rat. Behav Biol 24(2):279–83, Oct 78
ANIMAL/ *ELECTROSHOCK/ *ESTRUS/ FEMALE/ RATS/ TIME FACTORS

2568. **Milner PM:** Test of two hypotheses about summation of rewarding brain stimulation. Can J Psychol 32(2):95–105, Jun 78
ANIMAL/ *BRAIN, physiology/ ELECTROPHYSIOLOGY/ HYPOTHALAMUS, physiology/ MALE/ NEURAL INHIBITION/ RATS/ *SELF STIMULATION, physiology/ TEGMENTUM MESENCEPHALI, physiology/ TIME FACTORS

2569. **Mims RB:** Pituitary function and growth hormone dynamics in acromegaloidism. J Natl Med Assoc 70(12):919–23, Dec 78
ACROMEGALY, metabolism/ ACROMEGALY, physiopathology/ ADOLESCENCE/ ADULT/ AGED/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ MALE/ MIDDLE AGE/ PITUITARY FUNCTION TESTS/ *PITUITARY GLAND, ANTERIOR, physiology/ SOMATOTROPIN, analysis/ *SOMATOTROPIN, secretion

2570. **Miró R, Caballín MR, Marina S, et al:** Mosaicism in XX males. Hum Genet 45(1):103–6, 24 Nov 78
HUMAN/ KARYOTYPING/ MALE/ *MOSAICISM/ *SEX CHROMOSOME ABNORMALITIES, familial & genetic/ STERILITY, MALE, familial & genetic

2571. **Misbin RI, Gold L:** Insulin receptor binding, hypoinsulinemia and growth hormone [letter] N Engl J Med 300(9):498–9, 1 Mar 79
HUMAN/ *INSULIN, blood/ *RECEPTORS, INSULIN, metabolism/ SOMATOTROPIN, deficiency/ *SOMATOTROPIN, physiology

2572. **Mishina N, Kajiwara N, Kobayashi Y, et al:** Studies on hypertension: changes of humoral factors under long-term administration of thiazide. Jpn Heart J 19(4):585–6, Jul 78
ALDOSTERONE, blood/ ANIMAL/ CATECHOLAMINES, blood/ *DIURETICS, THIAZIDE, administration & dosage/ *HYPERTENSION, blood/ RATS/ RENIN, blood/ TIME FACTORS

2573. **Mishra R, Sulser F:** Role of serotonin reuptake inhibition in the development of subsensitivity of the norepinephrine (NE) receptor coupled adenylate cyclase system. Commun Psychopharmacol 2(4):365–9, 1978
*ADENYL CYCLASE, metabolism/ *AMITRIPTYLINE, pharmacodynamics/ ANIMAL/ *BRAIN, drug effects/ BRAIN, metabolism/ *CHLORIMIPRAMINE, pharmacodynamics/ *DIBENZAZEPINES, pharmacodynamics/ *FLUOXETIN, pharmacodynamics/ MALE/ *NOREPINEPHRINE, metabolism/ *PROPYLAMINES, pharmacodynamics/ RATS/ SEROTONIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2574. **Misiorowski RL, Werner MJ:** Inhibition of lysyl oxidase by disulfhydryls, diamines and sulfhydryl-amines. Biochem Biophys Res Commun 85(2):809–14, 29 Nov 78
*AMINO ACID OXIDOREDUCTASES, antagonists & inhibitors/ ANIMAL/ BONE AND BONES, enzymology/ CHICKENS/ *DIAMINES, pharmacodynamics/ *LYSYL OXIDASE, antagonists & inhibitors/ LYSYL OXIDASE, isolation & purification/ *PENICILLAMINE, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ *SULFHYDRYL COMPOUNDS, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2575. **Misra DN, Bowen RL, Mattamal GJ:** Surface area of dental enamel, bone, and hydroxyapatite: chemisorption from solution. Calcif Tissue Res 26(2):139–42, 8 Dec 78
ADSORPTION/ ANIMAL/ *BONE AND BONES/ CATTLE/ CHEMISTRY/ *DENTAL ENAMEL/ GLYCINE, analogs & derivatives/ GLYCINE, diagnostic use/ HUMAN/ *HYDROXYAPATITES/ METHODS/ METHYLENE CHLORIDE/ PHENYL ETHERS, diagnostic use/ SURFACE PROPERTIES/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2576. **Misra PK, Sharma B, Singh SK, et al:** Maternal, cord and neonatal blood sugar, plasma insulin and cortisol levels in full term normal vaginal deliveries and neonatal hypoglycemia. Indian Pediatr 15(9):715–8, Sep 78
*BLOOD SUGAR, metabolism/ DELIVERY/ FEMALE/ *FETAL BLOOD, metabolism/ HUMAN/ *HYDROCORTISONE, blood/ *HYPOGLYCEMIA, blood/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, blood/ *INSULIN, blood/ MATERNAL-FETAL EXCHANGE/ PREGNANCY

2577. **Mitani F, Ishimura Y, Izumi S, et al:** Immunohistochemical localization of adrenodoxin and adrenodoxin reductase in bovine adrenal cortex. Acta Endocrinol (Copenh) 90(2):317–27, Feb 79
ADRENAL CORTEX, enzymology/ *ADRENAL CORTEX, metabolism/ *ADRENODOXIN, metabolism/ ANIMAL/ CATTLE/ CYTOPLASM, enzymology/ CYTOPLASM, metabolism/ *FERREDOXIN-NADP REDUCTASE, metabolism/ IMMUNOELECTROPHORESIS/ IMMUNOENZYME TECHNICS/ MITOCHONDRIA, enzymology/ MITOCHONDRIA, metabolism/ *NADH, NADPH OXIDOREDUCTASES, metabolism

2578. **Mitchell MD, Bibby JG, Sayers L, et al:** Melatonin in the maternal and umbilical circulations during human parturition. Br J Obstet Gynaecol 86(1):29–31, Jan 79
CESAREAN SECTION/ FEMALE/ *FETAL BLOOD, analysis/ HUMAN/ *LABOR/ LABOR, PREMATURE, blood/ *MELATONIN, blood/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY

2579. **Mitra S, Rao CV:** Gonadotropin and prostaglandins binding sites in rough endoplasmic reticulum and Golgi fractions of bovine corpora lutea. Arch Biochem Biophys 191(1):331–40, Nov 78
ANIMAL/ CATTLE/ CELL MEMBRANE, metabolism/ *CORPUS LUTEUM, metabolism/ *ENDOPLASMIC RETICULUM, metabolism/ FEMALE/ *GOLGI APPARATUS, metabolism/ GONADOTROPINS, CHORIONIC, metabolism/ NUCLEOTIDASES, metabolism/ PREGNANCY/ PROSTAGLANDINS E, metabolism/ PROSTAGLANDINS F, metabolism/ *RECEPTORS, HORMONE, metabolism/ *RECEPTORS, PROSTAGLANDIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2580. **Mitranond V, Sobhon P, Tosukhowong P, et al:** Cytological changes in the testes of vitamin-A-deficient rats. I. Quantitation of germinal cells in the seminiferous tubules. Acta Anat (Basel) 103(2):159–68, 1979
ANIMAL/ BODY WEIGHT/ CELL NUMBER/ EPIDIDYMIS, pathology/ MALE/ ORGAN WEIGHT/ RATS/ *SEMINIFEROUS TUBULES, pathology/ SERTOLI CELLS/ SPERMATIDS/ SPERMATOCYTES/ SPERMATOGENESIS/ SPERMATOGONIA/ SPERMATOZOA/ *TESTIS, pathology/ TIME FACTORS/ *VITAMIN A DEFICIENCY, pathology

2581. **Mitzkat HJ, Schönhöfer PS:** Geburtshilflich indizierte Pharmaka mit Einfluss auf den Kohlenhydratstoffwechsel. Z Geburtshilfe Perinatol 182(5):331–42, Oct 78 (140 ref.) (Eng. Abstr.) **(Ger)**
ADRENERGIC BETA RECEPTOR BLOCKADERS, adverse effects/ ANTIBIOTICS, adverse effects/ ANTIHYPERTENSIVE AGENTS, adverse effects/ ANTIHYPERTENSIVE AGENTS, therapeutic use/ CALCIUM, antagonists & inhibitors/ *CARBOHYDRATES, metabolism/ DIURETICS, adverse effects/ DIURETICS, therapeutic use/ *DRUG THERAPY/ DRUG THERAPY, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ FETUS, drug effects/ GLUCOCORTICOIDS, adverse effects/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ HYPOGLYCEMIA, chemically induced/ INFANT, NEWBORN/ LACTATION, drug effects/ MATERNAL-FETAL EXCHANGE/ PREGNANCY IN DIABETES, metabolism/ PREGNANCY TOXEMIAS, drug therapy/ PREGNANCY/ PROSTAGLANDIN ANTAGONISTS, adverse effects/ RESPIRATORY DISTRESS SYNDROME, prevention & control/ REVIEW/ SYMPATHOMIMETICS, adverse effects/ 2-BROMOERGOCRYPTINE, adverse effects

2582. **Miyake K, Sugiyama S, Norimatsu I, et al:** Prevention of cystoid macular edema after lens extraction by topical indomethacin (III) radioimmunoassay measurement of prostaglandins in the aqueous during and after lens extraction procedures. Albrecht Von Graefes Arch Klin Exp Ophthalmol 209(2):83–8, 15 Dec 78
AGED/ *AQUEOUS HUMOR, analysis/ *CATARACT EXTRACTION/ EDEMA, prevention & control/ FEMALE/ HUMAN/ INDOMETHACIN, administration & dosage/ MACULA LUTEA/ MALE/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS, prevention & control/ *PROSTAGLANDINS, analysis/ RADIOIMMUNOASSAY/ RETINAL DISEASES, prevention & control

2583. **Miyamoto J:** Sex steroids and thyroid function tests: the role of estrogen and progestogen. Int J Gynaecol Obstet 16(1):28–33, 1978
ADULT/ CHLORMADINONE, pharmacodynamics/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ *CONTRACEPTIVES, ORAL, SYNTHETIC, pharmacodynamics/ *ESTROGENS, SYNTHETIC, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ MESTRANOL, pharmacodynamics/ NORETHINDRONE, pharmacodynamics/ *PROGESTATIONAL HORMONES, SYNTHETIC, pharmacodynamics/ THYROID FUNCTION TESTS/ *THYROID GLAND, drug effects/ THYROXINE BINDING PROTEIN, analysis/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

2584. **Miyamoto Y, Maeda M:** Pemphigus induced by gold sodium thiomalate [letter] Arch Dermatol 114(12):1855, Dec 78
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ CASE REPORT/ FEMALE/ *GOLD THIOMALATE, adverse effects/ HUMAN/ *PEMPHIGUS, chemically induced/ PEMPHIGUS, drug therapy

2585. **Miyazaki H, Gotoh T, Okamoto K, et al:** [Chemical hypophysectomy for intractable cancer pain by Moricca--1. Fundamental basis and method of the transnasal puncture of the hypophysis (author's transl)] Masui 27(13):1606–12, Dec 78 (Eng. Abstr.) **(Jpn)**
ALCOHOLS, administration & dosage/ ENGLISH ABSTRACT/ HUMAN/ *HYPOPHYSECTOMY, methods/ *NEOPLASMS, therapy/ *PAIN, INTRACTABLE, therapy/ *PALLIATIVE TREATMENT, methods

2586. **Miyazaki H, Gotoh T, Okamoto K, et al:** [Chemical hypophysectomy for the intractable cancer pain by Moricca -2. The results and the mechanism of pain relief (author's transl)] Masui 28(1):77–82, Jan 79 (Eng. Abstr.) **(Jpn)**
ADULT/ AGED/ ALCOHOLS, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOPHYSECTOMY, methods/ MALE/ MIDDLE AGE/ *NEOPLASMS, therapy/ *PAIN, INTRACTABLE, therapy

2587. **Mizutani A, Suzuki I, Ohba Y, et al:** Immune competence-promoting action of bovine parotid hypocalcemic factor obtained via extraction with glacial acetic acid. Chem Pharm Bull (Tokyo) 26(10):2927–32, Oct 78
ACETIC ACIDS/ ANIMAL/ CATTLE/ *HORMONES, immunology/ HYPOCALCEMIA, chemically induced/ LYMPHOCYTES, immunology/ MICE/ *PAROTIN, immunology/ PAROTIN, isolation & purification/ RABBITS/ *SALIVARY PROTEINS, immunology/ SALIVARY PROTEINS, isolation & purification

2588. **Mlczoch J, Weir EK, Grover RF, et al:** Pulmonary vascular effects of endotoxin in leukopenic dogs. Am Rev Respir Dis 118(6):1097–9, Dec 78
ANIMAL/ *ANOXIA, physiopathology/ BLOOD PRESSURE, drug effects/ DOGS/ *ENDOTOXINS, pharmacodynamics/ ESCHERICHIA COLI/ FEMALE/ *LEUKOCYTES, physiology/ MALE/ MECLOFENAMIC ACID, pharmacodynamics/ PROSTAGLANDINS, biosynthesis/ *PULMONARY CIRCULATION/ PULMONARY CIRCULATION, drug effects/ *THROMBOPENIA, physiopathology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VASOCONSTRICTION, drug effects

2589. **Mochizuki M, Honda T, Tojo S:** Collagenolytic activity and steroid levels after administration of dehydroepiandrosterone sulfate. Int J Gynaecol Obstet 16(3):248–53, 1978–79
CERVIX UTERI, drug effects/ CERVIX UTERI, enzymology/ *CLOSTRIDIOPEPTIDASE A, metabolism/ *DEHYDROEPIANDROSTERONE, pharmacodynamics/ *ESTRADIOL, analysis/ ESTRADIOL, blood/ *ESTRIOL, analysis/ ESTRIOL, blood/ FEMALE/ HUMAN/ *MYOMETRIUM, analysis/ PREGNANCY/ *PROGESTERONE, analysis/ PROGESTERONE, blood/ *UTERUS, analysis

2590. **Modder B, Foley JE, Fisher JW:** The in vitro and in vivo effects of testosterone and steroid metabolites on erythroid colony forming cells (CFU-E). J Pharmacol Exp Ther 207(3):1004–12, Dec 78
ANIMAL/ BONE MARROW, cytology/ BONE MARROW, drug effects/ COLONY-FORMING UNITS ASSAY/ *ERYTHROPOIESIS, drug effects/ FEMALE/ IN VITRO/ RABBITS/ *STANOLONE, pharmacodynamics/ *TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2591. **Moedjono S, Siy WS, Mauldin LB, et al:** Ketotic hypoglycemia in the Penta X and other chromosome imbalance syndromes. Clin Genet 14(6):367–9, Dec 78
ABNORMALITIES, MULTIPLE, familial & genetic/ CASE REPORT/ CHILD, PRESCHOOL/ *CHROMOSOME ABERRATIONS/ FEMALE/ HUMAN/ *HYPOGLYCEMIA, familial & genetic/ *SEX CHROMOSOMES/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *X CHROMOSOME

2592. **Moeschlin S:** Ursachen und Therapie des Eisenmangels. Haematol Bluttransfus 21:111–5, 1978 **(Ger)**
*ANEMIA, HYPOCHROMIC, drug therapy/ *ANEMIA, HYPOCHROMIC, etiology/ BLOOD DONORS/ DIET/ FEMALE/ HEMORRHAGE, complications/ HUMAN/ INTESTINAL ABSORPTION/ IRON, deficiency/ IRON, metabolism/ *IRON, therapeutic use/ LACTATION/ MALE/ MENSTRUATION DISORDERS, complications/ NEOPLASMS, complications/ PREGNANCY

2593. **Mohan PS, Jaya Rao KS:** Plasma somatomedin activity in protein calorie malnutrition. Arch Dis Child 54(1):62–4, Jan 79
BIOLOGICAL ASSAY/ CARTILAGE/ CHILD/ HUMAN/ KWASHIORKOR, blood/ *PROTEIN-CALORIE MALNUTRITION, blood/ RATS/ *SOMATOMEDIN, blood/ SOMATOTROPIN, blood/ SULFATES, metabolism

2594. **Möhlen K, Beller FK:** Pseudomyxoma peritonei. Effekt der Radio-Gold-Behandlung. Zentralbl Gynaekol 100(21):1408–11, 1978 (Eng. Abstr.) **(Ger)**
AGED/ *CYSTADENOMA, MUCINOUS, radiotherapy/ ENGLISH ABSTRACT/ FEMALE/ *GOLD RADIOISOTOPES, therapeutic use/ HUMAN/ METHODS/ MIDDLE AGE/ *OVARIAN NEOPLASMS, radiotherapy/ RECURRENCE

2595. **Möhlen KH, Quakernack K, Beller FK:** Ergebnisse der intraperitonealen Applikation von radioaktivem Gold beim Ovarialkarzinom. Geburtshilfe Frauenheilkd 38(12):1075–8, Dec 78 (Eng. Abstr.) **(Ger)**
ASCITES, etiology/ ASCITES, radiotherapy/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ GOLD COLLOID, RADIOACTIVE/ GOLD RADIOISOTOPES, administration & dosage/ *GOLD RADIOISOTOPES, therapeutic use/ HUMAN/ INJECTIONS, INTRAPERITONEAL/ OVARIAN NEOPLASMS, complications/ *OVARIAN NEOPLASMS, radiotherapy/ OVARIAN NEOPLASMS, surgery/ POSTOPERATIVE CARE

2596. **Mohr G, Hoffman HJ, Munro IR, et al:** Surgical management of unilateral and bilateral coronal craniosynostosis: 21 years of experience. Neurosurgery 2(2):83–92, Mar-Apr 78
ADOLESCENCE/ BONE AND BONES, transplantation/ CHILD/ CHILD, PRESCHOOL/ CRANIOFACIAL DYSOSTOSIS, classification/ CRANIOFACIAL DYSOSTOSIS, complications/ *CRANIOFACIAL DYSOSTOSIS, surgery/ *CRANIOSYNOSTOSES, surgery/ CRANIOTOMY/ EXOPHTHALMOS, complications/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYPERTELORISM, complications/ INFANT/ INFANT, NEWBORN/ MALE/ MENTAL RETARDATION, complications/ SKULL, growth &

development/ SKULL, surgery

2597. **Möhring J, Kintz J, Schoun J:** Role of vasopressin in blood pressure control of spontaneously hypertensive rats. Clin Sci Mol Med 55 Suppl 4:246s–250s, Dec 78
ANIMAL/ ANTIGEN-ANTIBODY REACTIONS/ BLOOD PRESSURE/ BODY WEIGHT/ HEMATOCRIT/ *HYPERTENSION, physiopathology/ HYPERTENSION, MALIGNANT, physiopathology/ RATS/ *VASOPRESSINS, blood/ VASOPRESSINS, immunology/ WATER-ELECTROLYTE BALANCE

2598. **Möhring J:** Neurohypophyseal vasopressor principle: vasopressor hormone as well as antidiuretic hormone? Klin Wochenschr 56 Suppl 1:71–9, 1978
ANGIOTENSIN II, physiology/ ANIMAL/ ARGIPRESSIN, blood/ ARGIPRESSIN, immunology/ *ARGIPRESSIN, physiology/ *BLOOD PRESSURE/ HYPERTENSION, etiology/ *HYPERTENSION, physiopathology/ HYPERTENSION, RENAL, physiopathology/ IMMUNE SERUMS/ INJECTIONS, INTRAVENTRICULAR/ KIDNEY FAILURE, ACUTE, physiopathology/ RADIOIMMUNOASSAY/ RATS/ *VASOPRESSINS, physiology

2599. **Mohsen A, Omar ME, El-Khawass SM, et al:** Steroidal derivatives. Part 1: some novel steroidal thiosemicarbazones. Their synthesis, anticancer and endocrinological activities. Pharmazie 33(9):577–80, Sep 78
ANIMAL/ ANTINEOPLASTIC AGENTS/ ESTRADIOL, pharmacodynamics/ FEMALE/ MALE/ MICE/ MUSCLES, drug effects/ ORGAN WEIGHT, drug effects/ PROSTATE, drug effects/ RATS/ *STEROIDS, chemical synthesis/ STEROIDS, pharmacodynamics/ TESTOSTERONE, pharmacodynamics/ *THIOSEMICARBAZONES, chemical synthesis/ THIOSEMICARBAZONES, pharmacodynamics/ UTERUS, drug effects

2600. **Molin L, Thomsen K, Volden G, et al:** Prednimustine in mycosis fungoides: a report from the Scandinavian mycosis fungoides study group. Acta Derm Venereol (Stockh) 59(1):87–8, 1979
ADMINISTRATION, ORAL/ AGED/ CHLORAMBUCIL, administration & dosage/ CHLORAMBUCIL, adverse effects/ *CHLORAMBUCIL, therapeutic use/ CLINICAL RESEARCH/ DRUG COMBINATIONS/ DRUG EVALUATION/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *MYCOSIS FUNGOIDES, drug therapy/ PREDNISOLONE, administration & dosage/ PREDNISOLONE, adverse effects/ *PREDNISOLONE, therapeutic use/ *SKIN NEOPLASMS, drug therapy

2601. **Møller M, van Deurs B, Westergaard E:** Vascular permeability to proteins and peptides in the mouse pineal gland. Cell Tissue Res 195(1):1–15, 14 Dec 78
ANIMAL/ CAPILLARIES, ultrastructure/ *CAPILLARY PERMEABILITY/ ENDOTHELIUM, metabolism/ HEMEPROTEINS, metabolism/ HORSERADISH PEROXIDASE, metabolism/ MALE/ MICE/ *PEPTIDES, metabolism/ PEROXIDASES, metabolism/ PINEAL BODY, blood supply/ *PINEAL BODY, metabolism/ PINEAL BODY, ultrastructure/ *PROTEINS, metabolism

2602. **Møller SE:** Tryptofan. Perifer regulation af central funktion. Ugeskr Laeger 141(7):458–61, 12 Feb 79 (Eng. Abstr.) **(Dan)**
ADRENAL CORTEX HORMONES, metabolism/ *BRAIN, metabolism/ DEPRESSION, drug therapy/ ENGLISH ABSTRACT/ ESTROGENS, metabolism/ FEMALE/ HUMAN/ PAIN, drug therapy/ PYRIDOXINE, metabolism/ *SEROTONIN, biosynthesis/ SLEEP, drug effects/ TRYPTOPHAN, metabolism/ *TRYPTOPHAN, physiology/ TRYPTOPHAN, therapeutic use

2603. **Moncada S, Vane JR:** The role of prostacyclin in vascular tissue. Fed Proc 38(1):66–71, Jan 79 (97 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ ANIMAL/ ARACHIDONIC ACIDS, metabolism/ ASPIRIN, pharmacodynamics/ BLOOD COAGULATION, drug effects/ BLOOD PLATELETS, metabolism/ *BLOOD VESSELS, metabolism/ DIPYRIDAMOLE, pharmacodynamics/ LINOLENIC ACIDS, therapeutic use/ PLATELET AGGREGATION, drug effects/ PROSTAGLANDIN SYNTHASE, metabolism/ PROSTAGLANDINS X, biosynthesis/ PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS X, physiology/ *PROSTAGLANDINS, physiology/ REVIEW/ THROMBOSIS, prevention & control/ THROMBOXANE A2, pharmacodynamics/ VASODILATION, drug effects

2604. **Moncada S, Vane JR:** Prostacyclin (PGI2), the vascular wall and vasodilatation. pp. 107–21.
In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977. (107 ref.)
ANIMAL/ ARACHIDONIC ACIDS, pharmacodynamics/ *BLOOD VESSELS, metabolism/ CATS/ CATTLE/ DOGS/ GUINEA PIGS/ HAMSTERS/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ MONOGRAPH/ PLATELET AGGREGATION, drug effects/ PROSTAGLANDIN ENDOPEROXIDES, pharmacodynamics/ PROSTAGLANDINS X, metabolism/ *PROSTAGLANDINS X, pharmacodynamics/ PROSTAGLANDINS, metabolism/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ RATS/ REVIEW/ VASOCONSTRICTION, drug effects/ *VASODILATION, drug effects

2605. **Monet JD, Bader CA, d'Herbigny E, et al:** In vitro relative biological activities of (1—34)N-terminal synthetic fragments of human parathyroid hormone in the human renal cortical adenylate cyclase assay. FEBS Lett 96(1):79–82, 1 Dec 78
*ADENYL CYCLASE, metabolism/ AMINO ACID SEQUENCE/ COMPARATIVE STUDY/ ENZYME ACTIVATION, drug effects/ HUMAN/ *KIDNEY CORTEX, enzymology/ *PARATHYROID HORMONE, pharmacodynamics/ PEPTIDE FRAGMENTS, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP

2606. **Monif GR, Seligman IJ, Daly JW:** Living cytology--revisited. In vitro demonstration of intraabdominal adenocarcinomatosis. Obstet Gynecol 53(2):231–6, Feb 79
ABDOMINAL NEOPLASMS, diagnosis/ *ABDOMINAL NEOPLASMS, pathology/ ADENOCARCINOMA, diagnosis/ *ADENOCARCINOMA, pathology/ ASCITIC FLUID, cytology/ ASPIRATION/ *CYTODIAGNOSIS, methods/ EPITHELIUM, pathology/ FEMALE/ HUMAN/ NEOPLASM METASTASIS/ OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, pathology/ PUNCTURES/ *TISSUE CULTURE, methods

2607. **Monji N, Malkus H, Castro A:** Maleimide derivative of hapten for coupling to enzyme: a new method in enzyme immunoassay. Biochem Biophys Res Commun 85(2):671–7, 29 Nov 78
BETA-GALACTOSIDASES/ ESTERS/ *HAPTENS/ IMMUNOASSAY/ *MALEIMIDES/ RABBITS, immunology/ SPECTROPHOTOMETRY, INFRARED/ *THYROXINE, analogs & derivatives/ THYROXINE, analysis

2608. **Monson JM, Goodman HM:** Translation of chick calvarial procollagen messenger RNA'S by a messenger RNA dependent reticulocyte lysate. Biochemistry 17(24):5122–8, 28 Nov 78
BONE AND BONES, metabolism/ CHICK EMBRYO/ CLOSTRIDIOPEPTIDASE A, metabolism/ MAGNESIUM, pharmacodynamics/ METHIONINE, metabolism/ PEPTIDE FRAGMENTS, biosynthesis/ PEPTIDE FRAGMENTS, immunology/ POTASSIUM, pharmacodynamics/ *PROCOLLAGEN, biosynthesis/ PROCOLLAGEN, immunology/ PROLINE, metabolism/ *RETICULOCYTES, metabolism/ *RNA, MESSENGER, metabolism/ TRANSLATION, GENETIC/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2609. **Montagne B, Meersman G, Vileyn E, et al:** Encéphalopathie subaiguë du syndrome du lait et des alcalins (à propos d'une observation). Lille Med 23(9):650–3, 1978 **(Fre)**
ADULT/ *BRAIN DISEASES, etiology/ CASE REPORT/ CATTLE/ HUMAN/ *HYPERCALCEMIA, complications/ MALE/ *MILK, adverse effects/ *MILK-ALKALI SYNDROME, complications

2610. **Montanelli C, Lucchi A, Cicognani A:** Rilievi clinico-radiologici della sindrome di Noonan. Radiol Med (Torino) 64(11):1289–90, Nov 78 **(Ita)**

BONE AND BONES, abnormalities/ BONE AND BONES, radiography/ CASE REPORT/ CHILD/ HEART DEFECTS, CONGENITAL/ HUMAN/ LUNG, abnormalities/ LUNG, radiography/ MALE/ NOONAN SYNDROME, complications/ *NOONAN SYNDROME, diagnosis

2611. **Montastruc P, Mauco G:** Comparaison des effets diurétique et natriurétique de la dopamine chez le chien normal ou en diabète insipide. Influence du propranolol. C R Soc Biol (Paris) 172(3):560–4, 1978 (Eng. Abstr.) **(Fre)**
ANIMAL/ COMPARATIVE STUDY/ *DIABETES INSIPIDUS, physiopathology/ *DIURESIS, drug effects/ DOGS/ *DOPAMINE, pharmacodynamics/ ENGLISH ABSTRACT/ KINETICS/ *NATRIURESIS, drug effects/ *PROPRANOLOL, pharmacodynamics

2612. **Moody TE, Vaughan ED Jr:** Steroids in the treatment of retroperitoneal fibrosis. J Urol 121(1):109–11, Jan 79
CASE REPORT/ *DEXAMETHASONE, therapeutic use/ FEMALE/ HUMAN/ HYDRONEPHROSIS, complications/ MALE/ MIDDLE AGE/ RETROPERITONEAL FIBROSIS, complications/ *RETROPERITONEAL FIBROSIS, drug therapy/ RETROPERITONEAL FIBROSIS, radiography/ UROGRAPHY

2613. **Moore GJ, Swann RW, Fisher AW, et al:** A high-molecular-weight substance in the supraoptic region of the rat hypothalamus which cross-reacts with a specific antiserum against arginine-vasopressin [proceedings] J Endocrinol 79(2):23P–24P, Nov 78
ANIMAL/ *ARGIPRESSIN, biosynthesis/ CROSS REACTIONS/ *HYPOTHALAMUS, analysis/ MOLECULAR WEIGHT/ PROTEIN PRECURSORS/ RATS/ *SUPRAOPTIC NUCLEUS, analysis

2614. **Moore RA, Smith RF, Asplin CM:** Simple test for nocturnal hypoglycaemia in diabetic patients. Lancet 1(8113):409–10, 24 Feb 79
*BLOOD SUGAR, analysis/ CREATININE, urine/ *DIABETES MELLITUS, drug therapy/ DIABETES MELLITUS, metabolism/ DIURNAL RHYTHM/ GLYCOSURIA, diagnosis/ HUMAN/ HYDROCORTISONE, urine/ HYPOGLYCEMIA, chemically induced/ *HYPOGLYCEMIA, diagnosis/ INSULIN, therapeutic use/ *PITUITARY-ADRENAL FUNCTION TESTS, methods

2615. **Moore TJ, Williams GH:** Adrenal causes of hypertension. Compr Ther 4(12):46–52, Dec 78
ADENOMA, diagnosis/ ADENOMA, surgery/ *ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, surgery/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ *HYPERALDOSTERONISM, complications/ HYPERALDOSTERONISM, diagnosis/ *HYPERTENSION, etiology/ HYPOKALEMIA, etiology/ *PHEOCHROMOCYTOMA, complications/ PHEOCHROMOCYTOMA, diagnosis/ PHEOCHROMOCYTOMA, surgery

2616. **Morales López A, Rus Herrera F, García Matilla F, et al:** Fibrósis retroperitoneal idiopatica: Diagnóstico, evolución y conducta terapéutica a proposito de ocho observaciones. Arch Esp Urol 31(5):469–82, Sep–Oct 78 (Eng. Abstr.) **(Spa)**
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ RETROPERITONEAL FIBROSIS, drug therapy/ *RETROPERITONEAL FIBROSIS, radiography/ RETROPERITONEAL FIBROSIS, surgery/ URETER, surgery

2617. **Moreira-Filho CA:** Antígeno H-Y: aplicações em genética humana. Rev Hosp Clin Fac Med Sao Paulo 33(5):217–9, Oct 78 **(Por)**
ANIMAL/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ *HISTOCOMPATIBILITY ANTIGENS, genetics/ HUMAN/ *SEX CHROMOSOMES, immunology/ *SEX DETERMINATION/ *Y CHROMOSOME, immunology

2618. **Moreiras-Varela O, Varela G, de la Higuera M:** Cortisol effects on protein utilization in growing rats [proceedings] Proc Nutr Soc 37(3):90A, Dec 78
ANIMAL/ BODY WEIGHT, drug effects/ *DIETARY PROTEINS/ *DIGESTION/ *HYDROCORTISONE, pharmacodynamics/ NUTRITION/ RATS

2619. **Morgan EJ:** The preventive treatment of asthma. W Va Med J 75(2):29–31, Feb 79
AEROSOLS/ *ASTHMA, prevention & control/ BECLOMETHASONE, therapeutic use/ DISODIUM CROMOGLYCATE, therapeutic use/ HUMAN/ ORCIPRENALINE, therapeutic use/ SYMPATHOMIMETICS, therapeutic use/ TERBUTALINE, therapeutic use/ THEOPHYLLINE, therapeutic use

2620. **Morganti A, Lopez-Ovejero JA, Pickering TG, et al:** Role of the sympathetic nervous system in mediating the renin response to head-up tilt. Their possible synergism in defending blood pressure against postural changes during sodium deprivation. Am J Cardiol 43(3):600–4, Mar 79
ADULT/ BLOOD PRESSURE, drug effects/ FEMALE/ HUMAN/ *HYPERTENSION, physiopathology/ *HYPOTENSION, ORTHOSTATIC, physiopathology/ MALE/ MIDDLE AGE/ NOREPINEPHRINE, blood/ NOREPINEPHRINE, physiology/ PROPRANOLOL, pharmacodynamics/ RENIN, blood/ *RENIN, physiology/ *SODIUM, physiology/ *SYMPATHETIC NERVOUS SYSTEM, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2621. **Mori H, Shiraishi T, Matsumoto K:** Ectopic Leydig cells in a seminiferous tubules of an infertile human male with a chromosomal aberration. Andrologia 10(6):434–43, Nov–Dec 78
ADULT/ CASE REPORT/ *CHROMOSOME ABERRATIONS/ CYTOPLASM, ultrastructure/ ENDOPLASMIC RETICULUM, ultrastructure/ FSH, blood/ HUMAN/ *LEYDIG CELLS/ LEYDIG CELLS, ultrastructure/ LH, blood/ MALE/ *SEMINIFEROUS TUBULES, pathology/ SEMINIFEROUS TUBULES, ultrastructure/ SERTOLI CELLS, ultrastructure/ *STERILITY, MALE, familial & genetic/ STERILITY, MALE, pathology/ *TESTIS, pathology/ TESTOSTERONE, blood/ X CHROMOSOME/ Y CHROMOSOME

2622. **Morikawa Y, Donahoe PK, Hendren WH:** Cholinergic nerve development of fetal lung in vitro. J Pediatr Surg 13(6D):653–61, Dec 78
ANIMAL/ CELL MOVEMENT/ CHEMORECEPTORS/ GANGLIA, drug effects/ GROWTH, drug effects/ IN VITRO/ LUNG, embryology/ *LUNG, innervation/ NERVE FIBERS, drug effects/ NEURONS, cytology/ ORGAN CULTURE/ *PARASYMPATHETIC NERVOUS SYSTEM, embryology/ RATS/ THYROXINE, pharmacodynamics/ TRACHEA, embryology/ TRACHEA, innervation

2623. **Morillo E, Gardner LI:** Hypertriiodothyroninemia in hypothyroidism treated with thyroglobulin. Am J Dis Child 133(1):71–2, Jan 79
ADOLESCENCE/ ADULT/ CHILD/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, drug therapy/ MALE/ *THYROGLOBULIN, adverse effects/ THYROGLOBULIN, therapeutic use/ THYROXINE, therapeutic use/ *TRIIODOTHYRONINE, blood

2624. **Morin P, Engelmann P, Ferrand J:** Inhibition de la montée laiteuse par la bromocriptine et fécondité ultérieure. Nouv Presse Med 7(41):3779, 25 Nov 78 **(Fre)**
FEMALE/ *FERTILITY, drug effects/ HUMAN/ *LACTATION, drug effects/ PREGNANCY/ *2-BROMOERGOCRYPTINE, pharmacodynamics

2625. **Morishima I:** Adenylate cyclase in silkworm. Properties of the enzyme in pupal fat body. J Biochem (Tokyo) 84(6):1495–500, Dec 78
*ADENYL CYCLASE, metabolism/ *ADIPOSE TISSUE, enzymology/ CALCIUM, pharmacodynamics/ EGTA, pharmacodynamics/ FLUORIDES, pharmacodynamics/ KINETICS/ MAGNESIUM, pharmacodynamics/ MANGANESE, pharmacodynamics/ PUPA/ *SILKWORMS, enzymology

2626. **Morita N, Murakami K, Ito H, et al:** The molecular weight and character of plasma renin in SHRSP. Jpn Heart J 19(4):653–4, Jul 78

ANIMAL/ *CEREBROVASCULAR DISORDERS, blood/ FEMALE/ *HYPERTENSION, blood/ MALE/ MOLECULAR WEIGHT/ RATS/ *RENIN, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2627. **Morita Y, Shinohara M, Imamura F, et al:** [Diagnostic value of arteriography to thyroid cancer situated in isthmus (author's transl)] Rinsho Hoshasen 24(1):27–33, Jan 79 (Eng. Abstr.) **(Jpn)**
ADULT/ *ANGIOGRAPHY/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *THYROID GLAND, radiography/ *THYROID NEOPLASMS, radiography

2628. **Moroji T, Takahashi K, Ikeda C:** [Levels of biogenic amines and their metabolites in rat whole brain after rapid tissue fixation with microwave irradiation (author's transl)] No To Shinkei 30(12):1303–8, Dec 78 (Eng. Abstr.) **(Jpn)**
ANIMAL/ *BIOGENIC AMINES, metabolism/ *BRAIN, metabolism/ BRAIN, radiation effects/ DOPAMINE, metabolism/ ENGLISH ABSTRACT/ *HISTOLOGICAL TECHNICS/ MALE/ *MICROWAVES/ NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, metabolism

2629. **Moroni F, Cheney DL, Peralta E, et al:** Opiate receptor agonists as modulators of gamma-aminobutyric acid turnover in the nucleus caudatus, globus pallidus and substantia nigra of the rat. J Pharmacol Exp Ther 207(3):870–7, Dec 78
ANIMAL/ CATALEPSY, chemically induced/ CAUDATE NUCLEUS, drug effects/ *CAUDATE NUCLEUS, metabolism/ ENDORPHINS, antagonists & inhibitors/ ENDORPHINS, pharmacodynamics/ GLOBUS PALLIDUS, drug effects/ *GLOBUS PALLIDUS, metabolism/ *GABA, metabolism/ MALE/ MORPHINE, antagonists & inhibitors/ MORPHINE, pharmacodynamics/ MUSCIMOL, pharmacodynamics/ NALTREXONE, pharmacodynamics/ RATS/ *RECEPTORS, NARCOTIC, drug effects/ SUBSTANTIA NIGRA, drug effects/ *SUBSTANTIA NIGRA, metabolism

2630. **Moroni F, Peralta E, Cheney DL, et al:** On the regulation of gamma-aminobutyric acid neurons in caudatus, pallidus and nigra: effects of opioids and dopamine agonists. J Pharmacol Exp Ther 208(2):190–4, Feb 79
ANIMAL/ APOMORPHINE, pharmacodynamics/ *BRAIN, drug effects/ BRAIN, metabolism/ CAUDATE NUCLEUS, drug effects/ CORPUS STRIATUM, drug effects/ DECEREBRATE STATE/ *DOPAMINE, physiology/ ENDORPHINS, pharmacodynamics/ GLOBUS PALLIDUS, drug effects/ *GABA, metabolism/ MALE/ MORPHINE, antagonists & inhibitors/ MORPHINE, pharmacodynamics/ NALTREXONE, pharmacodynamics/ *NARCOTICS, pharmacodynamics/ *NEURONS, drug effects/ RATS/ SUBSTANTIA NIGRA, drug effects

2631. **Moroz BB, Petrov RV, Bezin GI, et al:** O roli endogennykh gliukokortikoidov v reguliatsii migratsii i retsirkuliatsii stvolovykh krovetvornykh kletok. Patol Fiziol Eksp Ter (5):9–15, Sep–Oct 78 (Eng. Abstr.) **(Rus)**
ADRENALECTOMY/ ANIMAL/ BONE MARROW, cytology/ CELL COUNT/ CELL MOVEMENT/ COLONY-FORMING UNITS ASSAY/ *CORTICOSTERONE, blood/ ENGLISH ABSTRACT/ *HEMATOPOIETIC STEM CELLS, physiology/ MICE/ SPLEEN, cytology

2632. **Morris LA:** Patient package inserts [letter] JAMA 241(12):1228, 23 Mar 79
CONTRACEPTIVES, ORAL/ *DRUG LABELING/ FEMALE/ HUMAN/ *PATIENTS, education/ UNITED STATES FOOD AND DRUG ADMINISTRATION/ UNITED STATES

2633. **Morris ME:** Facilitation of synaptic transmission by general anaesthetics. J Physiol (Lond) 284:307–25, Nov 78
ALTHESIN, pharmacodynamics/ *ANESTHESIA, GENERAL/ *ANESTHETICS, pharmacodynamics/ ANIMAL/ CATS/ EVOKED POTENTIALS, drug effects/ HALOTHANE, pharmacodynamics/ KETAMINE, pharmacodynamics/ MEDULLA OBLONGATA, physiology/ METHOHEXITAL, pharmacodynamics/ NEURAL TRANSMISSION, drug effects/ PENTOBARBITAL, pharmacodynamics/ PERIPHERAL NERVES, physiology/ *SYNAPSES, physiology

2634. **Morrissey JJ, Lovenberg W:** Protein synthesis in pineal gland during serotonin-N-acetyltransferase induction. Arch Biochem Biophys 191(1):1–7, Nov 78
*ACETYLTRANSFERASES, biosynthesis/ ANIMAL/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ ENZYME INDUCTION, drug effects/ ISOPROTERENOL, pharmacodynamics/ KINETICS/ MALE/ METHIONINE/ MOLECULAR WEIGHT/ *NERVE TISSUE PROTEINS, biosynthesis/ PINEAL BODY, drug effects/ *PINEAL BODY, metabolism/ PROPRANOLOL, pharmacodynamics/ RATS/ SEROTONIN/ TRANSLATION, GENETIC, drug effects

2635. **Moses RA, Parkison G, Schuchardt R:** A standard large wound of the corneal epithelium in the rabbit. Invest Ophthalmol Vis Sci 18(1):103–6, Jan 79
*BURNS, CHEMICAL/ CAUTERY/ *CORNEA, injuries/ DISEASE MODELS, ANIMAL/ *EYE BURNS, chemically induced/ IODINE, toxicity

2636. **Mosko S, Moore RY:** Neonatal suprachiasmatic nucleus ablation: absence of functional and morphological plasticity. Proc Natl Acad Sci USA 75(12):6243–6, Dec 78
ANIMAL/ BEHAVIOR, ANIMAL, physiology/ BLINDNESS, physiopathology/ *CIRCADIAN RHYTHM/ DRINKING BEHAVIOR, physiology/ ESTRUS/ FEMALE/ *HYPOTHALAMUS, growth & development/ MOTOR ACTIVITY, physiology/ RATS/ *SUPRAOPTIC NUCLEUS, growth & development/ SUPRAOPTIC NUCLEUS, physiology/ *VISUAL PATHWAYS, growth & development

2637. **Mosley EL, Chung EB, Rogers N, et al:** Thyroid carcinoma in black patients. J Natl Med Assoc 70(12):915–8, Dec 78
ADOLESCENCE/ ADULT/ AGED/ *CARCINOMA, occurrence/ CARCINOMA, pathology/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *NEGROID RACE/ *THYROID NEOPLASMS, occurrence/ THYROID NEOPLASMS, pathology/ UNITED STATES

2638. **Mossetti C, Campagnoli C, Gilli V:** I tumori maligni dell'ovaio. Comportamento biologico ed epidemiologia. Minerva Ginecol 30(12):1111–22, Dec 78 **(Ita)**
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ BREAST NEOPLASMS, occurrence/ FEMALE/ HUMAN/ MIDDLE AGE/ NEOPLASM METASTASIS/ *OVARIAN NEOPLASMS, occurrence/ RACIAL STOCKS/ UTERINE NEOPLASMS, occurrence

2639. **Mouridsen H, Palshof T, Patterson J, et al:** Tamoxifen in advanced breast cancer. Cancer Treat Rev 5(3):131–41, Sep 78 (45 ref.)
ADULT/ AGED/ *BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENDOCRINE GLANDS, drug effects/ EYE, drug effects/ FEMALE/ HUMAN/ MENOPAUSE/ MIDDLE AGE/ NEOPLASM METASTASIS, drug therapy/ RECEPTORS, ESTROGEN/ REVIEW/ TAMOXIFEN, administration & dosage/ TAMOXIFEN, poisoning/ *TAMOXIFEN, therapeutic use

2640. **Mouw DR, Vander AJ, Cox J, et al:** Acute effects of lead on renal electrolyte excretion and plasma renin activity. Toxicol Appl Pharmacol 46(2):435–47, Nov 78
ANIMAL/ CALCIUM, urine/ DOGS/ *ELECTROLYTES, urine/ GLOMERULAR FILTRATION RATE, drug effects/ LEAD, metabolism/ *LEAD, pharmacodynamics/ MALE/ NATRIURESIS, drug effects/ POTASSIUM, urine/ *RENIN, blood/ SODIUM, urine/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2641. **Moyer TP, Jiang NS, Tyce GM, et al:** Analysis for urinary catecholamines by liquid chromatography with amperometric detection: methodology and clinical interpretation of results. Clin Chem 25(2):256–63, Feb 79
ADOLESCENCE/ ADRENAL GLAND NEOPLASMS, urine/ ADULT/ AGE FACTORS/ AGED/ *CATECHOLAMINES, urine/ CHILD/ CHILD, PRESCHOOL/ CHROMATOGRAPHY, HIGH SPEED LIQUID/ DOPAMINE, urine/ ELECTROCHEMISTRY/ EPINEPHRINE, urine/ FEMALE/ HUMAN/ HYPERTENSION, urine/ INFANT/ MALE/ MIDDLE AGE/ NOREPINEPHRINE, urine/ NORMAL VALUES/ PHEOCHROMOCYTOMA, urine

2642. **Mozes MF, Ascher NL, Balfour HH Jr, et al:** Jaundice after renal allotransplantation. Ann Surg 188(6):783–90, Dec 78
ADULT/ ALKALINE PHOSPHATASE, blood/ ASPARTATE AMINOTRANSFERASE, blood/ AZATHIOPRINE, adverse effects/ BILIRUBIN, blood/ BLOOD TRANSFUSION/ CHICKENPOX, complications/ CYTOMEGALIC INCLUSION DISEASE, complications/ FEMALE/ HEPATITIS B, complications/ HEPATITIS, TOXIC, etiology/ HERPES SIMPLEX, complications/ HUMAN/ JAUNDICE, diagnosis/ *JAUNDICE, etiology/ *KIDNEY, transplantation/ LACTATE DEHYDROGENASE, blood/ LIVER DISEASES, etiology/ LIVER, drug effects/ MALE/ MIDDLE AGE/ PREDNISONE, adverse effects/ PROGNOSIS/ SEPTICEMIA, complications/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS, adverse effects

2643. **Mozhaev GA:** Sekretsiia i metabolizm gliukokortikoidov pri obshchei anestezii u urologicheskikh bol'nykh. Anesteziol Reanimatol (6):50–6, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
*ANESTHESIA, GENERAL/ ANESTHESIA, INTRATRACHEAL/ CHLOROFORM/ ENGLISH ABSTRACT/ ETHER, ETHYL/ GLUCOCORTICOIDS, blood/ *GLUCOCORTICOIDS, secretion/ HALOTHANE/ HUMAN/ NEPHRECTOMY/ NEUROLEPTANALGESIA/ NITROUS OXIDE/ PYELONEPHRITIS, surgery/ URINARY CALCULI, blood/ *URINARY CALCULI, surgery

2644. **Mroczkowski E:** Gruczolak chromofobny przysadki mózgowej o rzadkim obrazie klinicznym polipa nosogardła. Otolaryngol Pol 32(6):643–6, 1978 **(Pol)**
ADENOMA, CHROMOPHOBE, diagnosis/ *ADENOMA, CHROMOPHOBE, pathology/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ MALE/ MIDDLE AGE/ NASOPHARYNGEAL NEOPLASMS, diagnosis/ PITUITARY NEOPLASMS, diagnosis/ *PITUITARY NEOPLASMS, pathology/ POLYPS, diagnosis

2645. **Mück-Seler D, Deanovic Z, Dupelj M:** Platelet serotonin (5-HT) and 5-HT releasing factor in plasma of migrainous patients. Headache 19(1):14–7, Jan 79
*BLOOD PLATELETS, analysis/ HUMAN/ *MIGRAINE, blood/ *SEROTONIN, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2646. **Mühlenstedt D, Osmers F, Schneider HP:** Regression eines Hypophysenadenoms unter Bromocriptin. Arch Gynecol 226(4):341–6, 29 Dec 78 (Eng. Abstr.) **(Ger)**
ADENOMA, drug therapy/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE/ ADULT/ CASE REPORT/ DNA, NEOPLASM/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *PITUITARY NEOPLASMS, drug therapy/ *2-BROMOERGOCRYPTINE, therapeutic use

2647. **Mukherjee C, Dey CD, Deb C:** Effect of voldys, an oral contraceptive on the electrical activity of rat brain and heart. Curr Sci 47(17):614–6, 5 Sep 78
ANIMAL/ BRAIN, drug effects/ *BRAIN, physiology/ CONTRACEPTIVES, ORAL, COMBINED, pharmacodynamics/ ELECTROCARDIOGRAPHY/ ELECTROENCEPHALOGRAPHY/ *ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ *HEART RATE, drug effects/ *MEGESTROL, pharmacodynamics/ RATS

2648. **Mukherjee KD, Mangold HK, El Nockrashy AS:** Nutritional evaluation of low-glucosinolate rapeseed meals obtained by various processes. Nutr Metab 23(1):1–10, 1979
ANIMAL/ BIOLOGICAL ASSAY/ *BRASSICA/ BRASSICA, analysis/ CHICKENS/ DIETARY PROTEINS, analysis/ *GLUCOSINOLATES/ GLUCOSINOLATES, analysis/ NUTRITIVE VALUE/ PROTEIN DEFICIENCY, diet therapy/ RATS/ *THIOGLYCOSIDES/ THIOGLYCOSIDES, analysis/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

2649. **Mukhopadhyay AK, Leavitt L:** Evidence for an angiotensin receptor in esophageal smooth muscle of the opossum. Am J Physiol 235(6):E738–42, Dec 78
ANGIOTENSIN AMIDE, pharmacodynamics/ *ANGIOTENSIN II, metabolism/ ANIMAL/ ATROPINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESOPHAGOGASTRIC JUNCTION, innervation/ *ESOPHAGOGASTRIC JUNCTION, metabolism/ FEMALE/ HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ IPROVERATRIL, pharmacodynamics/ MALE/ NICOTINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ *RECEPTORS, ANGIOTENSIN, metabolism/ *RECEPTORS, HORMONE, metabolism/ SARALASIN, pharmacodynamics/ TETRODOTOXIN, pharmacodynamics/ *VAGUS NERVE, physiology

2650. **Mulcahy MT:** Carrier detection in X-linked mental retardation [letter] Med J Aust 2(10):489–90, 4 Nov 78
*HETEROZYGOTE DETECTION/ HUMAN/ MALE/ *MENTAL RETARDATION, familial & genetic/ *SEX CHROMOSOMES/ *X CHROMOSOME

2651. **Mulder E, Foekens JA, Peters MJ, et al:** A comparison of heparin agarose and DNA cellulose for the characterization and partial purification of androgen receptors from rat prostate. FEBS Lett 97(2):260–4, 15 Jan 79
ANIMAL/ CELL NUCLEUS, metabolism/ CELLULOSE/ CHROMATOGRAPHY, AFFINITY/ COMPARATIVE STUDY/ DNA/ HEPARIN/ MALE/ *PROSTATE, metabolism/ RATS/ *RECEPTORS, ANDROGEN, isolation & purification/ RECEPTORS, ANDROGEN, metabolism/ *RECEPTORS, STEROID, isolation & purification/ SEPHAROSE/ STANOLONE, metabolism

2652. **Mullen PE, Linsell C, Silman RE, et al:** The human pineal. New approaches and prospects. J Psychosom Res 22(4):357–76, 1978
CHROMATOGRAPHY, GAS/ CIRCADIAN RHYTHM/ HUMAN/ INDOLES, biosynthesis/ INDOLES, blood/ MELATONIN, biosynthesis/ MELATONIN, blood/ *MELATONIN, physiology/ PINEAL BODY, drug effects/ PINEAL BODY, metabolism/ *PINEAL BODY, physiology/ PSYCHOTROPIC DRUGS, pharmacodynamics/ RADIOIMMUNOASSAY/ SLEEP, physiology/ SPECTRUM ANALYSIS, MASS

2653. **Muller JY:** HLA et maladies. Rôle physiopathologique du complexe majeur d'histocompatibilité. Rev Fr Transfus Immunohematol 21(4):993–1019, Sep 78 **(Fre)**
ACUTE DISEASE/ ADDISON'S DISEASE, immunology/ CHRONIC DISEASE/ COLITIS, ULCERATIVE, immunology/ COMPLEMENT, deficiency/ CROSS REACTIONS/ DIABETES MELLITUS, immunology/ ENTERITIS, REGIONAL, immunology/ GENES, IMMUNE RESPONSE/ GOITER, EXOPHTHALMIC, immunology/ HEMOCHROMATOSIS, immunology/ HEPATITIS, immunology/ HODGKIN'S DISEASE, immunology/ HUMAN/ HYPERSENSITIVITY, immunology/ *HL-A ANTIGENS, analysis/ HL-A ANTIGENS, immunology/ IRIDOCYCLITIS, immunology/ LEUKEMIA, immunology/ LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ *MAJOR HISTOCOMPATIBILITY COMPLEX/ POLYSACCHARIDES, BACTERIAL, immunology/ RECEPTORS, VIRUS, immunology/ SJOGREN'S SYNDROME, immunology/ SPRUE, immunology/ STREPTOCOCCUS PNEUMONIAE, immunology/ THYROIDITIS, immunology

2654. **Müller U, Siebers JW, Zenzes MT, et al:** The testis as a secretory organ for H-Y antigen. Hum Genet 45(2):209–13, 18 Dec 78
ANIMAL/ ANTIGENS, SURFACE/ EPIDIDYMIS, immunology/ FLUORESCENT ANTIBODY TECHNIC/ *H-Y ANTIGEN/ KIDNEY, immunology/ LIVER, immunology/ MALE/ RATS/ SPLEEN, immunology/ TESTIS, immunology/ *TESTIS, secretion

2655. **Müller U, Zenzes MT, Bauknecht T, et al:** Appearance of hCG-receptor after conversion of newborn ovarian cells into testicular structures by H-Y antigen in vitro. Hum Genet 45(2):203–7, 18 Dec 78
ANIMAL/ ANIMALS, NEWBORN/ CELLS, CULTURED/ CYCLOHEXIMIDE, pharmacodynamics/ *GONADOTROPINS, CHORIONIC, metabolism/ *H-Y ANTIGEN/ *OVARY, cytology/ RATS/ *RECEPTORS,

HORMONE, metabolism/ *TESTIS, metabolism

2656. **Müller WF, Hobson W, Fuller GB, et al:** Endocrine effects of chlorinated hydrocarbons in rhesus monkeys. Ecotoxicol Environ Safety 2(2):161–72, Sep 78
ANIMAL/ CHIMPANZEES/ *CHLOROBENZENES, pharmacodynamics/ *ENDOCRINE GLANDS, drug effects/ FEMALE/ *HEXACHLOROBENZENE, pharmacodynamics/ HORMONES, blood/ MALE/ MICE/ MONKEYS/ OVARY, drug effects/ *POLYCHLOROBIPHENYL COMPOUNDS, pharmacodynamics/ RABBITS/ RATS/ RHESUS MONKEYS/ SPECIES SPECIFICITY/ UNITED STATES GOV'T SUPPORTED

2657. **Mulner O, Huchon D, Thibier C, et al:** Cyclic AMP synthesis in Xenopus laevis oocytes: inhibition by progesterone. Biochim Biophys Acta 582(1):179–84, 4 Jan 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ ANIMAL/ CHOLERA TOXIN, pharmacodynamics/ FEMALE/ IN VITRO/ OVUM, drug effects/ *OVUM, metabolism/ *PROGESTERONE, pharmacodynamics/ XENOPUS/ 1-METHYL-3-ISOBUTYLXANTHINE, pharmacodynamics

2658. **Mundy GR, Eilon G, Altman AJ, et al:** Non-bone cell mediated bone resorption. pp. 229–37. In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.
ANIMAL/ *BONE AND BONES, physiology/ *BONE RESORPTION/ BONE RESORPTION, drug effects/ BREAST NEOPLASMS, physiopathology/ CALCIUM, metabolism/ CELLS, CULTURED/ CLOSTRIDIOPEPTIDASE A, metabolism/ COLCHICINE, pharmacodynamics/ CULTURE MEDIA/ FEMALE/ HUMAN/ MICE/ MONOGRAPH/ NEUTROPHILS, physiology/ OSTEOCLASTS, physiology/ PROLINE, metabolism

2659. **Mundy GR:** Differential diagnosis of osteopenia. Hosp Pract 13(11):65–72, Nov 78
ADULT/ AGED/ BIOPSY/ BONE AND BONES, pathology/ *BONE DISEASES, diagnosis/ BONE NEOPLASMS, diagnosis/ BONE NEOPLASMS, metabolism/ BONE NEOPLASMS, pathology/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MALE/ OSTEITIS FIBROSA CYSTICA, diagnosis/ OSTEITIS FIBROSA CYSTICA, metabolism/ OSTEITIS FIBROSA CYSTICA, pathology/ OSTEOMALACIA, diagnosis/ OSTEOMALACIA, metabolism/ OSTEOMALACIA, pathology/ OSTEOPOROSIS, diagnosis/ OSTEOPOROSIS, metabolism/ OSTEOPOROSIS, pathology

2660. **Muneoka Y, Twarog BM, Mikawa T:** Relaxation of Mytilus smooth muscle in low sodium. Comp Biochem Physiol [C] 61 C(2):267–73, 1978
ANIMAL/ BIOLOGICAL TRANSPORT, drug effects/ CAFFEINE, pharmacodynamics/ CALCIUM, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ IN VITRO/ MERSALYL, pharmacodynamics/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE RELAXATION, drug effects/ *MUSSELS, physiology/ POTASSIUM, pharmacodynamics/ SEROTONIN, pharmacodynamics/ *SODIUM, pharmacodynamics

2661. **Müntzing J, Jensen G, Högberg B:** Pilot study on the growth inhibition by estramustine phosphate (Estracyt) of rat mammary tumours sensitive and insensitive of oestrogen. Acta Pharmacol Toxicol (Copenh) 44(1):1–6, Jan 79
ANIMAL/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SCREENING/ ESTRAMUSTINPHOSPHATE, administration & dosage/ ESTRAMUSTINPHOSPHATE, metabolism/ *ESTRAMUSTINPHOSPHATE, therapeutic use/ ESTROGENS, metabolism/ *ESTROGENS, therapeutic use/ FEMALE/ *MAMMARY NEOPLASMS, EXPERIMENTAL, drug therapy/ MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ *NITROGEN MUSTARD COMPOUNDS, therapeutic use/ PILOT PROJECTS/ RATS/ 9,10-DIMETHYL-1,2-BENZANTHRACENE

2662. **Murakami H, Kaji E, Segawa T:** Influences of verapamil, X-537A, A-23187 and adenosine 3',5'-cyclic monophosphate on release of 5-hydroxytryptamine from rat brain slices. Jpn J Pharmacol 28(4):589–96, Aug 78
*A-23187, pharmacodynamics/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ *ANTIBIOTICS, pharmacodynamics/ *BRAIN, metabolism/ CALCIUM, physiology/ IN VITRO/ *IPROVERATRIL, pharmacodynamics/ *LASALOCID, pharmacodynamics/ MALE/ POTASSIUM, pharmacodynamics/ RATS/ *SEROTONIN, metabolism/ THEOPHYLLINE, pharmacodynamics

2663. **Murray B, Freaney R:** Serum 25-hydroxy vitamin D in normal and osteomalacic subjects: a comparison of two assay techniques. Ir J Med Sci 148(1):15–9, Jan 79
ANIMAL/ *CHROMATOGRAPHY, methods/ COMPARATIVE STUDY/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, blood/ *OSTEOMALACIA, blood/ PROTEIN BINDING/ RATS

2664. **Murray RH, Luft FC, Bloch R, et al:** Blood pressure responses to extremes of sodium intake in normal man. Proc Soc Exp Biol Med 159(3):432–6, Dec 78
ADULT/ ALDOSTERONE, blood/ *BLOOD PRESSURE, drug effects/ BODY WEIGHT/ *DIET/ DIURESIS/ HUMAN/ *HYPERTENSION, chemically induced/ *KIDNEY, physiology/ MALE/ *NATRIURESIS/ RENIN, blood/ SODIUM, metabolism/ *SODIUM, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ WATER-ELECTROLYTE BALANCE, drug effects

2665. **Murray TM, Josse RG, Heersche JN:** Hypercalcemia and cancer: an update. Can Med Assoc J 119(8):915–20, 21 Oct 78 (65 ref.)
BONE RESORPTION/ BREAST NEOPLASMS, complications/ FEMALE/ HORMONES, ECTOPIC, metabolism/ HUMAN/ *HYPERCALCEMIA, etiology/ HYPERCALCEMIA, metabolism/ HYPERCALCEMIA, therapy/ HYPERPARATHYROIDISM, complications/ KIDNEY NEOPLASMS, complications/ LUNG NEOPLASMS, complications/ MULTIPLE MYELOMA, complications/ *NEOPLASMS, complications/ OSTEOCLASTS, metabolism/ PARATHYROID HORMONE, metabolism/ PROSTAGLANDINS E, metabolism/ REVIEW

2666. **Murthy MH, Rhymer AR, Wright V:** Indomethacin or prednisolone at night in rheumatoid arthritis? Rheumatol Rehabil 17(1):8–13, Feb 78
ADULT/ AGED/ ANALGESICS, administration & dosage/ ANTI-INFLAMMATORY AGENTS, administration & dosage/ *ARTHRITIS, RHEUMATOID, drug therapy/ COMPARATIVE STUDY/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ *INDOMETHACIN, administration & dosage/ MALE/ MIDDLE AGE/ PAIN, drug therapy/ *PREDNISOLONE, administration & dosage/ SLEEP, drug effects/ TIME FACTORS

2667. **Musa BE, Abusineina ME:** The oestrous cycle of the camel (Camelus dromedarius). Vet Rec 103(25):556–7, 16 Dec 78
ANIMAL/ *CAMELS, physiology/ *ESTRUS/ FEMALE/ GRAAFIAN FOLLICLE, anatomy & histology/ OVULATION/ PALPATION, veterinary/ RECTUM/ SEASONS/ VAGINAL SMEARS, veterinary

2668. **Musso AM, Santos MI, Hendler H, et al:** Púrpura trombocitopénica severa asociada a mononucleosis infecciosa. Medicina (B Aires) 38(5):545–50, Sep–Oct 78 (Eng. Abstr.) **(Spa)**
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ANTIBODIES, VIRAL, immunology/ BLOOD TRANSFUSION/ CASE REPORT/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *INFECTIOUS MONONUCLEOSIS, complications/ INFECTIOUS MONONUCLEOSIS, diagnosis/ LEUKOCYTE COUNT/ MALE/ PURPURA, THROMBOPENIC, blood/ *PURPURA, THROMBOPENIC, complications/ THROMBOPENIA, therapy

2669. **Mustafin DG:** Ostrye destruktsii legkikh pri kortikosteroidnoi terapii bol'nykh bronkhial'noi astmoi. Klin Med (Mosk) 56(12):49–54, Dec 78 (Eng. Abstr.) **(Rus)**
ACUTE DISEASE/ ADOLESCENCE/ ADULT/ *ASTHMA, drug therapy/ ENGLISH ABSTRACT/

FEMALE/ HUMAN/ *LUNG ABSCESS, chemically induced/ LUNG, drug effects/ MALE/ MIDDLE AGE/ *PREDNISOLONE, adverse effects/ PREDNISOLONE, therapeutic use

2670. **Mützel W, Tillmann K, Gerhards E:** Verweilzeit von Fluocortolonhexanoat im Kniegelenk nach intraartikulärer Injektion. Dtsch Med Wochenschr 104(8):293–5, 23 Feb 79 (Eng. Abstr.) **(Ger)**
ARTHRITIS, RHEUMATOID, drug therapy/ ENGLISH ABSTRACT/ FLUOCORTOLONE, administration & dosage/ *FLUOCORTOLONE, metabolism/ FLUOCORTOLONE, therapeutic use/ HALF-LIFE/ HUMAN/ INJECTIONS, INTRA-ARTICULAR/ *KNEE JOINT/ KNEE JOINT, surgery/ *PREGNADIENEDIOLS, metabolism/ SYNOVIAL MEMBRANE, surgery/ TIME FACTORS/ TRITIUM

2671. **Myatt L, Chaudhuri G, Elder MG, et al:** The oestrogen receptor in the rat uterus in relation to intra-uterine devices and the oestrous cycle. Biochem J 176(2):523–9, 15 Nov 78
ANIMAL/ CELL NUCLEUS, metabolism/ CYTOSOL, metabolism/ *ESTRUS/ FEMALE/ *INTRAUTERINE DEVICES/ ORGAN WEIGHT/ RATS/ *RECEPTORS, ESTROGEN, metabolism/ *UTERUS, metabolism

N

2672. **Nabarro JD, Mustaffa BE, Morris DV, et al:** Insulin deficient diabetes. Contrasts with other endocrine deficiencies. Diabetologia 16(1):5–12, Jan 79 (22 ref.)
ADOLESCENCE/ ADRENAL CORTEX, physiopathology/ ADULT/ AGE FACTORS/ BLOOD SUGAR, metabolism/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ DIABETES MELLITUS, JUVENILE, mortality/ *DIABETES MELLITUS, JUVENILE, physiopathology/ HUMAN/ INFANT/ INSULIN, blood/ *INSULIN, deficiency/ ISLANDS OF LANGERHANS, physiopathology/ MIDDLE AGE/ PARATHYROID GLANDS, physiopathology/ PITUITARY GLAND, ANTERIOR, physiopathology/ REVIEW/ THYROID GLAND, physiopathology

2673. **Nadig J, Weber E, Hedinger C:** Morphologic and morphometric studies on human C cells in disorders of calcium metabolism. Virchows Arch [Cell Pathol] 29(3):151–65, 21 Dec 78
HUMAN/ HYPERCALCEMIA, pathology/ HYPERPARATHYROIDISM, pathology/ HYPERPARATHYROIDISM, SECONDARY, pathology/ HYPOCALCEMIA, pathology/ *THYROID GLAND, pathology/ UREMIA, pathology

2674. **Nadjafi-Triebsch C, Wyss HI, Andor J, et al:** Ostrogen-Gestagen-Einfluss auf den Kalziumstoffwechsel. Gynaekol Rundsch 18 Suppl 1:162–4, 1978 **(Ger)**
ADULT/ *CALCIUM, urine/ CREATININE, urine/ *ESTRONE, analogs & derivatives/ ESTRONE, pharmacodynamics/ FEMALE/ HUMAN/ *LYNESTRENOL, pharmacodynamics/ MIDDLE AGE

2675. **Naeye RL, Friedman EA:** Causes of perinatal death associated with gestational hypertension and proteinuria. Am J Obstet Gynecol 133(1):8–10, 1 Jan 79
ABRUPTIO PLACENTAE, mortality/ FEMALE/ *FETAL DEATH, etiology/ FETAL GROWTH RETARDATION, mortality/ HUMAN/ *HYPERTENSION, complications/ HYPERTENSION, mortality/ *INFANT MORTALITY/ INFANT, NEWBORN/ INFARCTION, mortality/ PLACENTA DISORDERS, complications/ PLACENTA DISORDERS, mortality/ *PREGNANCY COMPLICATIONS, CARDIOVASCULAR, complications/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, mortality/ PREGNANCY/ PROSPECTIVE STUDIES/ *PROTEINURIA, complications/ PROTEINURIA, mortality/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2676. **Nagamori H:** Sex determination from plucked human hairs without epithelial root sheath. Forensic Sci 12(3):167–73, 1978
ADOLESCENCE/ ADULT/ EPITHELIUM, ultrastructure/ FEMALE/ *FORENSIC MEDICINE/ *HAIR, ultrastructure/ HUMAN/ MALE/ MIDDLE AGE/ *SEX CHROMATIN, ultrastructure/ *SEX DETERMINATION/ Y CHROMOSOME, ultrastructure

2677. **Naganuma M:** Chromosomal aberrations and congenital heart diseases. Jpn Circ J 42(10):1124–30, Oct 78
CHORDAE TENDINEAE, abnormalities/ *CHROMOSOME ABNORMALITIES, complications/ CHROMOSOMES, HUMAN, 16–18/ DOWN'S SYNDROME, complications/ *HEART DEFECTS, CONGENITAL, familial & genetic/ HEART SEPTAL DEFECTS, familial & genetic/ HEART VALVES, abnormalities/ HUMAN/ KLINEFELTER'S SYNDROME, complications/ PAPILLARY MUSCLES, abnormalities/ TRISOMY

2678. **Nagaoka A, Shino A, Iwatsuka H:** Accelerating effects of dexamethasone and thyroxine on hypertension without accompanying stroke in stroke-prone spontaneously hypertensive rats. Life Sci 24(1):71–7, 1 Jan 79
ANIMAL/ BLOOD PRESSURE, drug effects/ BRAIN, blood supply/ CEREBROVASCULAR DISORDERS, chemically induced/ CEREBROVASCULAR DISORDERS, familial & genetic/ *CEREBROVASCULAR DISORDERS, physiopathology/ *DEXAMETHASONE, pharmacodynamics/ HEART, drug effects/ HYPERTENSION, chemically induced/ HYPERTENSION, familial & genetic/ *HYPERTENSION, physiopathology/ KIDNEY, blood supply/ MALE/ ORGAN WEIGHT, drug effects/ RATS/ *THYROXINE, pharmacodynamics/ VASCULAR DISEASES, chemically induced/ VASCULAR DISEASES, physiopathology

2679. **Nagaraj R, Balaram P:** A stereochemically-constrained enkephalin analog. alpha-Aminoisobutyryl2 methionine5 enkephalinamide. FEBS Lett 96(2):273–6, 15 Dec 78
AMINOISOBUTYRIC ACID/ ANIMAL/ *ENDORPHINS/ ENDORPHINS, chemical synthesis/ *ENKEPHALINS/ ENKEPHALINS, chemical synthesis/ ENKEPHALINS, pharmacodynamics/ NUCLEAR MAGNETIC RESONANCE/ PROTEIN CONFORMATION/ RATS/ RECEPTORS, NARCOTIC, drug effects/ STRUCTURE-ACTIVITY RELATIONSHIP

2680. **Nagayama Y, Fukase M:** Suppression of 3H-thymidine incorporation into PHA-stimulated lymphocytes by testosterone. Nippon Ketsueki Gakkai Zasshi 41(1):11–6, Feb 78
ADULT/ HUMAN/ *LYMPHOCYTE TRANSFORMATION, drug effects/ MALE/ PHYTOHEMAGGLUTININS, pharmacodynamics/ *TESTOSTERONE, pharmacodynamics/ *THYMIDINE, metabolism

2681. **Nagel-Studer E, Staub JJ, Nagel GA:** Zur Biologie des Mammakarzinoms. Ansatzpunkte für die aktuelle Therapieforschung. Schweiz Med Wochenschr 108(52):2079–86, 30 Dec 78 **(Ger)**
*BREAST NEOPLASMS, etiology/ BREAST NEOPLASMS, immunology/ BREAST NEOPLASMS, therapy/ ESTROGENS, physiology/ FEMALE/ HUMAN/ PERSONALITY/ PROLACTIN, physiology/ STRESS, complications/ THYROXINE, physiology

2682. **Nagy J, Decsi L:** Further studies on the site of action of diazepam: anticonvulsant effect in the rabbit. Neuropharmacology 18(1):39–45, Jan 79
ACTION POTENTIALS, drug effects/ *AMYGDALOID BODY, drug effects/ AMYGDALOID BODY, physiology/ ANIMAL/ *ANTICONVULSANTS/ CONVULSIONS, chemically induced/ CONVULSIONS, physiopathology/ *DIAZEPAM, pharmacodynamics/ ELECTRIC STIMULATION/ ELECTROENCEPHALOGRAPHY/ FEMALE/ *HIPPOCAMPUS, drug effects/ HIPPOCAMPUS, physiology/ MALE/ PENTYLENETETRAZOLE, antagonists & inhibitors/ PHENOBARBITAL, pharmacodynamics/ RABBITS

2683. **Nahir M, Scharf Y, Brook JG, et al:** Acute pseudogout attack following parathyroidectomy. Rheumatol Rehabil 17(1):6–7, Feb 78
ACUTE DISEASE/ CALCIUM, metabolism/ CASE REPORT/ *CHONDROCALCINOSIS, etiology/ FEMALE/ HUMAN/ MIDDLE AGE/ *PARATHYROID GLANDS, surgery/

*POSTOPERATIVE COMPLICATIONS/ SYNOVIAL FLUID, metabolism

2684. **Nahoum CR:** A new orchidometer. Arch Androl 1(4):355–9, Sep 78
*ANTHROPOMETRY, instrumentation/ HUMAN/ MALE/ *TESTIS, anatomy & histology

2685. **Naik RB, Gibbons AR, Gyde OH, et al:** Androgen trial in renal anaemia. Proc Eur Dial Transplant Assoc 15:136–43, 1978
ADULT/ ANEMIA, blood/ *ANEMIA, drug therapy/ ANEMIA, etiology/ CLINICAL RESEARCH/ DOUBLE-BLIND METHOD/ ERYTHROPOIETIN, blood/ FEMALE/ HEMODIALYSIS/ HUMAN/ KIDNEY DISEASES, blood/ *KIDNEY DISEASES, complications/ KIDNEY DISEASES, therapy/ MALE/ MIDDLE AGE/ *NANDROLONE, therapeutic use

2686. **Nakagawa H, Tomita A, Mitsuma T, et al:** [Plasma and urinary cyclic nucleotides in parathyroid disorders--effect of parathyroid hormone (author's transl)]
Nippon Naika Gakkai Zasshi 67(11):1406–11, 10 Nov 78 **(Jpn)**
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HUMAN/ *HYPERPARATHYROIDISM, metabolism/ *HYPOPARATHYROIDISM, metabolism/ *PARATHYROID HORMONE, pharmacodynamics

2687. **Nakai Y, Nakao K, Oki S, et al:** Presence of immunoreactive beta-endorphin in plasma of patients with Nelson's syndrome and Addison's disease. Life Sci 23(23):2293–8, 4 Dec 78
*ADDISON'S DISEASE, blood/ CHROMATOGRAPHY, GEL/ *ENDORPHINS, blood/ HUMAN/ LIPOTROPIN, blood/ *NELSON SYNDROME, blood/ *PITUITARY NEOPLASMS, blood/ RADIOIMMUNOASSAY

2688. **Nakajima T, Khosla MC, Sakakibara S:** Comparative biochemistry of renins and angiotensins in the vertebrates. Jpn Heart J 19(5):799–805, Sep 78
AMINO ACID SEQUENCE/ *ANGIOTENSINS, analysis/ ANGIOTENSINS, physiology/ ANIMAL/ BLOOD PRESSURE/ COMPARATIVE STUDY/ FROGS/ MICE/ RABBITS/ RATS/ *RENIN, analysis/ VERTEBRATES, anatomy & histology/ *VERTEBRATES, metabolism/ VERTEBRATES, physiology

2689. **Nakajima T, Kado B, Sakura M, et al:** [Clinical evaluation of tumor scintigraphy with 201Tl-chloride (author's transl)]
Radioisotopes 27(8):477–80, Aug 78 **(Jpn)**
AGED/ CASE REPORT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ LIVER NEOPLASMS, radionuclide imaging/ LUNG NEOPLASMS, radionuclide imaging/ MALE/ MIDDLE AGE/ *NEOPLASMS, radionuclide imaging/ *RADIOISOTOPES, diagnostic use/ *THALLIUM, diagnostic use/ THYROID NEOPLASMS, radionuclide imaging

2690. **Nakamura H, Matsushita K, Hata M, et al:** Less toxic corticosteroid therapy in canine renal allografts.
Keio J Med 27(1):15–21, Apr 78
ANIMAL/ BETAMETHASONE, adverse effects/ BETAMETHASONE, therapeutic use/ CORTICOTROPIN, adverse effects/ *CORTICOTROPIN, therapeutic use/ DOGS/ FEMALE/ KIDNEY, pathology/ *KIDNEY, transplantation/ PARAMETHASONE, adverse effects/ PARAMETHASONE, therapeutic use/ PREDNISOLONE, adverse effects/ PREDNISOLONE, therapeutic use/ TRANSPLANTATION, ALLOGENEIC

2691. **Nakamura M, Watanuki M, Hall PF:** On the role of protein synthesis in the response of adrenal tumor cells to ACTH.
Mol Cell Endocrinol 12(2):209–19, Nov 78
ADRENAL GLAND NEOPLASMS/ AMINOGLUTETHIMIDE, pharmacodynamics/ CELL LINE/ CHLORAMPHENICOL, pharmacodynamics/ CHOLESTEROL, metabolism/ *CORTICOTROPIN, pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ MITOCHONDRIA, drug effects/ MITOCHONDRIA, metabolism/ PREGNENOLONE, biosynthesis/ *PROTEINS, biosynthesis/ PUROMYCIN, pharmacodynamics/ TRANSLATION, GENETIC, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2692. **Nakamura M, Hall PF:** The influence of temperature upon polysomes of spermatids of rat testes.
Biochem Biophys Res Commun 85(2):756–61, 29 Nov 78
ANIMAL/ KINETICS/ MALE/ PHENYLALANINE, metabolism/ *POLYRIBOSOMES, metabolism/ RATS/ *SPERMATIDS, metabolism/ *SPERMATOZOA, metabolism/ TEMPERATURE/ *TESTIS, metabolism/ TRANSLATION, GENETIC/ UNITED STATES GOV'T SUPPORTED

2693. **Nakane T:** [The neuroradiological findings in Cushing's disease (author's transl)] Rinsho Hoshasen 24(1):15–9, Jan 79 (Eng. Abstr.) **(Jpn)**
ADENOMA, complications/ ADOLESCENCE/ ADULT/ CEREBRAL ANGIOGRAPHY/ *CUSHING'S SYNDROME, radiography/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ PITUITARY NEOPLASMS, complications/ PNEUMOENCEPHALOGRAPHY/ TOMOGRAPHY, RADIOGRAPHIC

2694. **Nakanishi S, Inoue A, Kita T, et al:** Construction of bacterial plasmids that contain the nucleotide sequence for bovine corticotropin-beta-lipotropin precursor.
Proc Natl Acad Sci USA 75(12):6021–5, Dec 78
BASE SEQUENCE/ *CORTICOTROPIN, genetics/ DNA, BACTERIAL, genetics/ *DNA, RECOMBINANT/ ESCHERICHIA COLI, genetics/ *GENES, STRUCTURAL/ *LIPOTROPIN, genetics/ METHODS/ *PLASMIDS/ *PROTEIN PRECURSORS, genetics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2695. **Nakano R, Hashiba N, Washio M, et al:** Diagnostic evaluation of progesterone. Challenge test in amenorrheic patients.
Acta Obstet Gynecol Scand 58(1):59–64, 1979
ADULT/ *AMENORRHEA, diagnosis/ ESTROGENS, urine/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ GONADOTROPINS, CHORIONIC, diagnostic use/ GRAAFIAN FOLLICLE, pathology/ HISTOCYTOCHEMISTRY/ HUMAN/ MENOTROPINS, diagnostic use/ MENSTRUATION INDUCING AGENTS/ OVARY, pathology/ *PROGESTERONE, diagnostic use/ 3-HYDROXYSTEROID DEHYDROGENASES, metabolism

2696. **Nakao Y, Kishihara M, Yoshimi H, et al:** Werner's syndrome: in vivo and in vitro characteristics as a model of aging.
Am J Med 65(6):919–32, Dec 78
ADULT/ *AGING/ BLOOD PROTEINS, metabolism/ BLOOD SUGAR, metabolism/ CASE REPORT/ DNA REPLICATION/ DNA, biosynthesis/ FEMALE/ HUMAN/ LYMPHOCYTES, immunology/ LH-FSH RELEASING HORMONE, blood/ MALE/ SKIN, immunology/ TESTOSTERONE, blood/ WERNER'S SYNDROME, blood/ WERNER'S SYNDROME, immunology/ *WERNER'S SYNDROME, physiopathology

2697. **Nakayama M, Inao H, Yagi K, et al:** The effects of sex steroids on blood pressure in SHR and normotensive Wistar rats.
Jpn Heart J 19(4):563–4, Jul 78
ANIMAL/ *BLOOD PRESSURE, drug effects/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *HYPERTENSION, physiopathology/ *PROGESTERONE, pharmacodynamics/ RATS

2698. **Nalbandian RM, Henry RL:** Platelet-endothelial cell interactions. Metabolic maps of structures and actions of prostaglandins, prostacyclin, thromboxane and cyclic AMP.
Semin Thromb Hemostas 5(2):87–111, Fall 78 (62 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ADENYL CYCLASE, metabolism/ ARACHIDONIC ACIDS, metabolism/ ARACHIDONIC ACIDS, physiology/ *BLOOD PLATELETS, metabolism/ *BLOOD PLATELETS, physiology/ CHEMISTRY/ *ENDOTHELIUM, cytology/ ENDOTHELIUM, metabolism/ HUMAN/ ISOMERISM/ MODELS, CHEMICAL/ PHOSPHOLIPASE, metabolism/ PHOSPHOLIPIDS, metabolism/

PROSTAGLANDINS X, metabolism/ PROSTAGLANDINS, biosynthesis/ *PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, physiology/ PROSTANOIC ACIDS, metabolism/ REVIEW/ STRUCTURE-ACTIVITY RELATIONSHIP/ THROMBOXANE A2, physiology/ THROMBOXANES, metabolism

2699. **Nalli G, Majolino I, Panizza P, et al:** Occlusione cronica intermittente del duodeno da feocromocitoma. Minerva Med 69(50):3429–33, 20 Oct 78 (Eng. Abstr.) **(Ita)**
*ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, radiography/ CASE REPORT/ CHRONIC DISEASE/ *DUODENAL OBSTRUCTION, etiology/ DUODENAL OBSTRUCTION, radiography/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/ *PHEOCHROMOCYTOMA, complications/ PHEOCHROMOCYTOMA, radiography

2700. **Namboodiri MA, Namboodiri MA, Weller JL, et al:** A comparative study of pineal acetyl-CoA hydrolase and N-acetyltransferase activities. J Neurochem 32(1):31–3, Jan 79
*ACETYL COA HYDROLASE, metabolism/ *ACETYLTRANSFERASES, metabolism/ AGING/ ANIMAL/ ANIMALS, NEWBORN/ CIRCADIAN RHYTHM/ COMPARATIVE STUDY/ FEMALE/ FETUS/ ISOPROTERENOL, pharmacodynamics/ MALE/ ORGAN CULTURE/ PINEAL BODY, drug effects/ *PINEAL BODY, enzymology/ PINEAL BODY, growth & development/ PREGNANCY/ RATS/ *THIOLESTER HYDROLASES, metabolism

2701. **Naor Z, Fawcett CP, McCann SM:** Involvement of cGMP in LHRH-stimulated gonadotropin release. Am J Physiol 235(6):E586–90, Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ *GONADOTROPINS, PITUITARY, secretion/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ *PITUITARY GLAND, ANTERIOR, metabolism/ PITUITARY GLAND, ANTERIOR, secretion/ RADIOIMMUNOASSAY/ RATS/ SEX FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2702. **Narahara K, Yabuuchi H, Kimura S, et al:** A case of a reciprocal translocation between the Y and no. 1 chromosomes. Jinrui Idengaku Zasshi 23(3):225–31, Sep 78
CASE REPORT/ CHROMOSOME BANDING/ *CHROMOSOMES, HUMAN, 1–3/ HUMAN/ INFANT/ MALE/ *SEX CHROMOSOMES/ *TRANSLOCATION (GENETICS)/ *Y CHROMOSOME

2703. **Narayana AS, Loening S, Weimar G, et al:** Serum markers in testicular tumors. J Urol 121(1):51–3, Jan 79
*ALPHA FETOPROTEINS, blood/ *DYSGERMINOMA, blood/ *GONADOTROPINS, CHORIONIC, blood/ HUMAN/ LYMPHATIC METASTASIS/ MALE/ NEOPLASM METASTASIS/ *TESTICULAR NEOPLASMS, blood

2704. **Narbaitz R, Tolnai G, Jolly EE, et al:** Ultrastructural studies on testicular biopsies from eighteen cases of hypospermatogenesis. Fertil Steril 30(6):679–86, Dec 78
ADULT/ BIOPSY/ COLLAGEN/ CYTOPLASM, ultrastructure/ HUMAN/ MALE/ *OLIGOSPERMIA, pathology/ SEMINIFEROUS TUBULES, ultrastructure/ SERTOLI CELLS, ultrastructure/ *TESTIS, ultrastructure

2705. **Nartsissov RP, Tsyba NN:** Dinamika aktivnosti degidrogenaz limfotsitov v protsesse lecheniia bol'nykh khronicheskim limfoleikozom. Lab Delo (1):45–8, 1979 **(Rus)**
ADRENAL CORTEX HORMONES, therapeutic use/ ANTINEOPLASTIC AGENTS, therapeutic use/ ENZYME ACTIVATION, drug effects/ HUMAN/ LEUKEMIA, LYMPHOCYTIC, drug therapy/ *LEUKEMIA, LYMPHOCYTIC, enzymology/ *LYMPHOCYTES, enzymology/ *OXIDOREDUCTASES, blood/ TIME FACTORS

2706. **Naruse S, Odake G:** [Histochemical study of dynamics of brain catecholamines in blood-brain-barrier damage and its change following glucocorticoid treatment (author's transl)] Neurol Med Chir (Tokyo) 18(11 Pt 2):831–7, Dec 78 (Eng. Abstr.) **(Jpn)**
ANIMAL/ *BLOOD-BRAIN BARRIER/ *BRAIN, metabolism/ *DEXAMETHASONE, pharmacodynamics/ *DOPAMINE, metabolism/ ENGLISH ABSTRACT/ HISTOCYTOCHEMISTRY/ RATS

2707. **Natalevich ES, Mal'tseva MM:** O klinicheskikh granitsakh shizoidnoĭ psikhopatii. Zh Nevropatol Psikhiatr 79(1):60–4, 1979 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ AGED/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ HUMAN/ MIDDLE AGE/ PERSONALITY DISORDERS, diagnosis/ PUBERTY/ *SCHIZOID PERSONALITY, diagnosis/ SCHIZOID PERSONALITY, psychology/ SCHIZOPHRENIA, diagnosis/ SCHIZOPHRENIC PSYCHOLOGY

2708. **Nathan AW, Rose GL:** Fatal iatrogenic Cushing's syndrome [letter] Lancet 1(8109):207, 27 Jan 79
ADMINISTRATION, TOPICAL/ BETAMETHASONE 17-VALERATE, administration & dosage/ *BETAMETHASONE 17-VALERATE, adverse effects/ *BETAMETHASONE, analogs & derivatives/ CASE REPORT/ CLOBETASOL, administration & dosage/ *CLOBETASOL, adverse effects/ *CUSHING'S SYNDROME, chemically induced/ CUSHING'S SYNDROME, mortality/ FEMALE/ HUMAN/ IATROGENIC DISEASE/ MIDDLE AGE

2709. **Nathanielsz PW:** Parturition in rodents. Semin Perinatol 2(3):223–34, Jul 78 (86 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ADRENAL CORTEX, physiology/ ANIMAL/ BRAIN, surgery/ CASTRATION/ ESTROGENS, metabolism/ FEMALE/ FETUS, physiology/ FETUS, surgery/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ *LABOR/ PITUITARY GLAND, POSTERIOR, physiology/ *PREGNANCY, ANIMAL/ PROGESTERONE, blood/ PROGESTERONE, metabolism/ PROSTAGLANDINS, physiology/ *RABBITS, physiology/ *RATS, physiology/ REVIEW/ SHEEP/ UTERINE CONTRACTION/ UTERUS, metabolism

2710. **Nathwani BN, Rappaport H, Moran EM, et al:** Evolution of immunoblastic lymphoma in angioimmunoblastic lymphadenopathy. Recent Results Cancer Res 64:235–40, 1978
ANTINEOPLASTIC AGENTS, administration & dosage/ COMPARATIVE STUDY/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ *IMMUNOBLASTIC LYMPHADENOPATHY, complications/ IMMUNOBLASTIC LYMPHADENOPATHY, drug therapy/ IMMUNOBLASTIC LYMPHADENOPATHY, pathology/ MALE/ PREDNISONE, administration & dosage/ SARCOMA, RETICULUM CELL, drug therapy/ *SARCOMA, RETICULUM CELL, etiology/ SARCOMA, RETICULUM CELL, pathology/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2711. **Nattero G, Bisbocci D, Ceresa F:** Sex hormones, prolactin levels, osmolarity and electrolyte patterns in menstrual migraine – relationship with fluid retention. Headache 19(1):25–30, Jan 79
CATIONS, MONOVALENT, blood/ FEMALE/ HUMAN/ *MENSTRUATION/ *MIGRAINE, blood/ OSMOLAR CONCENTRATION/ *PROLACTIN, blood/ *SEX HORMONES, blood/ *WATER-ELECTROLYTE IMBALANCE, blood

2712. **Nau HE, Bock WJ, Clar HE:** Electroencephalographic investigations in sellar tumours, with special regard to different methods of operative treatment. Acta Neurochir (Wien) 44(3–4):207–14, 1978
ADENOMA, CHROMOPHOBE, diagnosis/ ADENOMA, EOSINOPHILIC, diagnosis/ ADOLESCENCE/ ADULT/ AGED/ *BRAIN NEOPLASMS, diagnosis/ CRANIOPHARYNGIOMA, diagnosis/ ELECTROENCEPHALOGRAPHY/ FEMALE/ HUMAN/ MALE/ MENINGIOMA, diagnosis/ MIDDLE AGE/ *PITUITARY NEOPLASMS, diagnosis/ POSTOPERATIVE

PERIOD/ *SELLA TURCICA

2713. **Nechaeva ID:** Aktual'nye zadachi resheniia problemy zlokachestvennykh opukholei iaichnikov (k izucheniiu I stadii zabolevaniia). Vopr Onkol 24(12):84–91, 1978 **(Rus)**
ADNEXA UTERI, surgery/ CASTRATION/ CYTODIAGNOSIS/ FEMALE/ HUMAN/ HYSTERECTOMY/ LYMPHATIC METASTASIS/ NEOPLASM METASTASIS/ NEOPLASM STAGING/ *OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, therapy/ PRECANCEROUS CONDITIONS, diagnosis/ PRECANCEROUS CONDITIONS, pathology

2714. **Nechaeva ID, Berezkin DP, Vinokurov VL, et al:** O sostoianii lechebnoĭ pomoshchi bol'nym rakom iachnikov v statsionarakh onkologicheskikh i obshchelechebnykh uchrazhdeniĭ. Akush Ginekol (Mosk) (12):32–4, Dec 78 (Eng. Abstr.) **(Rus)**
ADULT/ AGED/ *CANCER CARE FACILITIES, standards/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ *HOSPITALS, GENERAL, standards/ *HOSPITALS, SPECIAL, standards/ HUMAN/ MIDDLE AGE/ NEOPLASM STAGING/ OVARIAN NEOPLASMS, pathology/ *OVARIAN NEOPLASMS, therapy/ QUALITY OF HEALTH CARE/ USSR

2715. **Needleman P, Raz A, Kulkarni PS, et al:** Prostaglandin I2 synthesis and vascular effects in isolated coronary artery. pp. 122–8.
In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977. (15 ref.)
ANIMAL/ ARACHIDONIC ACIDS, metabolism/ ARACHIDONIC ACIDS, pharmacodynamics/ CATTLE/ *CORONARY VESSELS, metabolism/ CORONARY VESSELS, physiology/ DOGS/ HUMAN/ IN VITRO/ MONOGRAPH/ PROSTAGLANDINS E, biosynthesis/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ PROSTAGLANDINS H, pharmacodynamics/ *PROSTAGLANDINS X, biosynthesis/ PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, biosynthesis/ RABBITS/ REVIEW/ SWINE/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VASODILATION, drug effects

2716. **Neer R, Tully G, Schatz P, et al:** Use of stable 48Ca in the clinical measurement of intestinal calcium absorption. Calcif Tissue Res 26(1):5–11, 10 Nov 78
CALCIUM ISOTOPES/ *CALCIUM, metabolism/ CALCIUM, urine/ HUMAN/ *INTESTINAL ABSORPTION/ NEUTRON ACTIVATION ANALYSIS, methods/ SPECTRUM ANALYSIS, MASS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2717. **Négrel R, Grimaldi P, Ailhaud G:** Establishment of preadipocyte clonal line from epididymal fat pad of ob/ob mouse that responds to insulin and to lipolytic hormones. Proc Natl Acad Sci USA 75(12):6054–8, Dec 78
ACYL COENZYME A, metabolism/ *ADIPOSE TISSUE, physiology/ CELL DIVISION/ *CELL LINE/ *CORTICOTROPIN, pharmacodynamics/ EPIDIDYMIS/ *EPINEPHRINE, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, metabolism/ *INSULIN, pharmacodynamics/ LIPIDS, metabolism/ LIPOPROTEIN LIPASE, metabolism/ MICE/ MICE, OBESE/ TRIGLYCERIDES, metabolism

2718. **Neldner KH:** Treatment of localized linear scleroderma with phenytoin. Cutis 22(5):569–72, Nov 78
ADULT/ CASE REPORT/ CHILD/ FEMALE/ HUMAN/ MIDDLE AGE/ PHENYTOIN, adverse effects/ *PHENYTOIN, therapeutic use/ *SCLERODERMA, CIRCUMSCRIBED, drug therapy/ VITAMIN D, therapeutic use

2719. **Nellans HN, Kimberg DV:** Cellular and paracellular calcium transport in rat ileum: effects of dietary calcium. Am J Physiol 235(6):E726–37, Dec 78
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ *CALCIUM, DIETARY, metabolism/ *CELL MEMBRANE, metabolism/ *ILEUM, metabolism/ IN VITRO/ MALE/ MATHEMATICS/ *MICROVILLI, metabolism/ RATS/ SODIUM, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2720. **Nelson AM, Riggs BL, Jowsey JO:** Atypical axial osteomalacia. Report of four cases with two having features of ankylosing spondylitis. Arthritis Rheum 21(6):715–22, Jul–Aug 78
ADULT/ BIOPSY/ CALCIUM CARBONATE, therapeutic use/ CASE REPORT/ HUMAN/ MALE/ MIDDLE AGE/ *OSTEOMALACIA, diagnosis/ OSTEOMALACIA, pathology/ OSTEOMALACIA, radiography/ *PELVIC BONES/ PELVIC BONES, pathology/ PELVIC BONES, radiography/ *SPINAL DISEASES, diagnosis/ SPINAL DISEASES, pathology/ SPINAL DISEASES, radiography/ *SPONDYLITIS, ANKYLOSING, diagnosis/ SPONDYLITIS, ANKYLOSING, pathology/ SPONDYLITIS, ANKYLOSING, radiography/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2721. **Nelson DF, Reddy KV, O'Mara RE, et al:** Thyroid abnormalities following neck irradiation for Hodgkin's disease. Cancer 42(6):2553–62, Dec 78
ADOLESCENCE/ ADULT/ CHILD/ FEMALE/ HODGKIN'S DISEASE, drug therapy/ *HODGKIN'S DISEASE, radiotherapy/ HUMAN/ HYPOTHYROIDISM, etiology/ MALE/ MIDDLE AGE/ NECK/ RADIATION INJURIES, blood/ *RADIATION INJURIES, etiology/ THYROID DISEASES, blood/ THYROID DISEASES, diagnosis/ *THYROID DISEASES, etiology/ THYROTROPIN, blood/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2722. **Nelson DL, Herbet A, Bourgoin S, et al:** Characteristics of central 5-HT receptors and their adaptive changes following intracerebral 5,7-dihydroxytryptamine administration in the rat. Mol Pharmacol 14(6):983–95, Nov 78
ANIMAL/ BRAIN, drug effects/ *BRAIN, metabolism/ *DIHYDROXYTRYPTAMINES, pharmacodynamics/ IN VITRO/ KINETICS/ MALE/ RATS/ RECEPTORS, SEROTONIN, drug effects/ *RECEPTORS, SEROTONIN, metabolism/ SEROTONIN ANTAGONISTS, metabolism/ SEROTONIN, metabolism/ SEROTONIN, physiology/ TIME FACTORS/ *5,7-DIHYDROXYTRYPTAMINE, pharmacodynamics

2723. **Nelson J, Leong JA, Levy JA:** Normal human placentas contain RNA-directed DNA polymerase activity like that in viruses. Proc Natl Acad Sci USA 75(12):6263–7, Dec 78
HUMAN/ INCLUSION BODIES, VIRAL, ultrastructure/ *PLACENTA, enzymology/ PLACENTA, microbiology/ PLACENTA, ultrastructure/ PREGNANCY/ *REVERSE TRANSCRIPTASE, metabolism/ RIBONUCLEASE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2724. **Nelson JF, Tsaknis PJ, Konzelman JL:** Noonan's syndrome: report of a case with oral findings. J Oral Med 33(3):94–6, Jul–Sep 78
CASE REPORT/ CHILD/ HUMAN/ MALE/ *NOONAN SYNDROME, pathology/ *PALATE, abnormalities/ *TONGUE DISEASES, pathology/ *XANTHOMATOSIS, pathology

2725. **Nelson RM:** Physiologic correlates of puberty. Clin Obstet Gynecol 21(4):1137–49, Dec 78
ADRENAL GLANDS, physiology/ BODY COMPOSITION/ BODY HEIGHT/ BODY WEIGHT/ FEMALE/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ MENARCHE/ OVARY, physiology/ *PUBERTY/ SEX MATURATION

2726. **Nemecek GM, Ray KP, Butcher RW:** Inhibition of cyclic nucleotide phosphodiesterase during exposure to WI-38 cells to prostaglandin E1. J Biol Chem 254(3):598–601, 10 Feb 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ CELL LINE/ KINETICS/ *PROSTAGLANDINS E, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *3',5'-CYCLIC AMP PHOSPHODIESTERASE, antagonists & inhibitors

2727. **Németh S:** A three hours study of the response of plasma corticosterone and of three liver enzymes in rats subjected to stress in the late afternoon or during the morning hours. Endokrinologie 72(2):223–30, May 78
ANIMAL/ CIRCADIAN RHYTHM/

*CORTICOSTERONE, blood/ CORTICOTROPIN, diagnostic use/ *LIVER, enzymology/ MALE/ PHOSPHOENOLPYRUVATE CARBOXYKINASES, metabolism/ RATS/ RESTRAINT, PHYSICAL/ *STRESS, metabolism/ TRYPTOPHAN OXYGENASE, metabolism/ TYROSINE AMINOTRANSFERASE, metabolism

2728. **Nemoto K, Ohnishi Y, Tsukada T:** Chronic lymphocytic leukemia showing pituitary tumor with massive leukemic cell infiltration, and special reference to clinicopathological findings of CLL. Acta Pathol Jpn 28(5):797–805, Sep 78
ADULT/ CASE REPORT/ HUMAN/ *LEUKEMIA, LYMPHOCYTIC, pathology/ LEUKEMIA, LYMPHOCYTIC, therapy/ MALE/ MENINGEAL NEOPLASMS, pathology/ NEOPLASM INVASIVENESS/ *PITUITARY NEOPLASMS, pathology

2729. **Nesheim BI, Bergsjø P:** Rutiner ved forskrivning av P-piller (estrogen + gestagen). Tidsskr Nor Laegeforen 99(3):180–1, 28 Feb 79 **(Nor)**
*CONTRACEPTIVES, ORAL/ CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, COMBINED/ CONTRACEPTIVES, ORAL, COMBINED, adverse effects/ *CONTRACEPTIVES, ORAL, HORMONAL/ CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ FEMALE/ HUMAN/ PRESCRIPTIONS, DRUG

2730. **Nesterov LN, Kravtsov IuI, Bogdanov AN, et al:** Vegetativnye narusheniia v klinike opukholeĭ visochnykh doleĭ mozga. Zh Nevropatol Psikhiatr 79(1):40–5, 1979 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ AGED/ *AUTONOMIC NERVOUS SYSTEM, physiopathology/ BLOOD PRESSURE/ BODY TEMPERATURE REGULATION/ *BRAIN NEOPLASMS, physiopathology/ CEREBROVASCULAR CIRCULATION/ CHILD/ CHILD, PRESCHOOL/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HEART, physiopathology/ HUMAN/ HYPOTHALAMUS, physiopathology/ MALE/ MIDDLE AGE/ MUSCLE TONUS/ PLETHYSMOGRAPHY, IMPEDANCE/ PULSE/ RESPIRATION/ *TEMPORAL LOBE

2731. **Neto GA:** Diagnóstico cintilográfico. AMB 21(7):230, Jul 75 **(Por)**
*ADENOMA, radionuclide imaging/ CASE REPORT/ FEMALE/ HUMAN/ MIDDLE AGE/ *THYROID NEOPLASMS, radionuclide imaging

2732. **Neto JB:** Adrenalectomia bilateral no tratamento do carcinoma avançado da mama. AMB 23(1):17–20, Jan 77 (Eng. Abstr.) **(Por)**
ADRENALECTOMY, mortality/ *ADRENALECTOMY, methods/ ADULT/ AGED/ BREAST NEOPLASMS, radiography/ *BREAST NEOPLASMS, surgery/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS

2733. **Netto Júnior NR, Abrão EG, Arap S, et al:** Criptorquidia bilateral e suas implicações na esterilidade masculina. AMB 24(9):320–2, Sep 78 (Eng. Abstr.) **(Por)**
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ *CRYPTORCHISM, complications/ CRYPTORCHISM, surgery/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ FSH, blood/ HUMAN/ LH, blood/ MALE/ SPERMATOGENESIS/ *STERILITY, MALE, etiology/ TESTOSTERONE, blood

2734. **Neufeld AH:** Influences of cyclic nucleotides on outflow facility in the vervet monkey. Exp Eye Res 27(4):387–97, Oct 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analogs & derivatives/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ AQUEOUS HUMOR, drug effects/ *AQUEOUS HUMOR, physiology/ CERCOPITHECUS PYGERYTHRUS/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ FEMALE/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, analogs & derivatives/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ IN VITRO/ INTRAOCULAR PRESSURE, drug effects/ ISOPROTERENOL, pharmacodynamics/ MALE/ MONKEYS/ SULFIDES, pharmacodynamics/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2735. **Neumann F:** The physiological action of progesterone and the pharmacological effects of progestogens--a short review. Postgrad Med J 54(2):11–24, 1978 (28 ref.)
ANIMAL/ BREAST, drug effects/ CHEMISTRY/ DRUG SYNERGISM/ ESTROGENS, SYNTHETIC, pharmacodynamics/ FEMALE/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ MICE/ PITUITARY-ADRENAL SYSTEM, drug effects/ *PROGESTATIONAL HORMONES, SYNTHETIC, pharmacodynamics/ *PROGESTERONE, physiology/ RABBITS/ RATS/ REPRODUCTION, drug effects/ REVIEW/ UTERUS, drug effects

2736. **Newcomb R, Rowson LE, Trounson AO:** The Sacrewell project: an on farm demonstration of the potential of egg transfer. Vet Rec 103(19):415–8, 4 Nov 78
ANIMAL/ BIRTH WEIGHT/ BREEDING/ CATTLE DISEASES/ *CATTLE, physiology/ COMPARATIVE STUDY/ DYSTOCIA, veterinary/ ESTRUS/ FEMALE/ FERTILIZATION/ GONADOTROPINS, EQUINE, pharmacodynamics/ MALE/ *OVUM, transplantation/ PREGNANCY/ SUPEROVULATION, drug effects/ TRANSPLANTATION, HOMOLOGOUS

2737. **Newmark SR, Rossini AA, Naftolin FI, et al:** Gonadotropin profiles in fed and fasted obese women. Am J Obstet Gynecol 133(1):75–80, 1 Jan 79
ADULT/ FASTING/ FEMALE/ FSH, secretion/ *GONADOTROPINS, PITUITARY, secretion/ HUMAN/ LH, secretion/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ *OBESITY, metabolism/ PITUITARY GLAND, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2738. **Newsome AL, Harley JP:** Trichinella spiralis: acceleration and inhibition of cyst calcification in rats. Experientia 34(12):1567–8, 15 Dec 78
ANIMAL/ CALCINOSIS, etiology/ CALCINOSIS, prevention & control/ CALCINOSIS, parasitology/ CHOLECALCIFEROLS, pharmacodynamics/ LARVA, drug effects/ MALE/ RATS/ SODIUM ETIDRONATE, pharmacodynamics/ *TRICHINELLA, drug effects/ TRICHINOSIS, complications/ TRICHINOSIS, pathology/ *TRICHINOSIS, parasitology

2739. **Newsome PM, Burgess MN, Mullan NA:** Effect of Escherichia coli heat-stable enterotoxin on cyclic GMP levels in mouse intestine. Infect Immun 22(1):290–1, Oct 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *BACTERIAL TOXINS, pharmacodynamics/ *ENTEROTOXINS, pharmacodynamics/ *ESCHERICHIA COLI/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *INTESTINES, metabolism/ MICE

2740. **Newsome WH, Yagminas AP, Villeneuve DC, et al:** The effect of sodium bromide ingestion on the goitrogenic action of ethylenethiourea in the male rat. Bull Environ Contam Toxicol 20(5):678–86, Nov 78
ANIMAL/ BODY WEIGHT, drug effects/ *BROMIDES, pharmacodynamics/ DIET/ DRUG INTERACTIONS/ EATING, drug effects/ *ETHYLENETHIOUREA, pharmacodynamics/ *GOITER, chemically induced/ GOITER, pathology/ *IMIDAZOLES, pharmacodynamics/ MALE/ ORGAN WEIGHT, drug effects/ RATS/ THYROID GLAND, pathology/ THYROXINE, blood

2741. **Neyer U, Mähr G, Ell PJ, et al:** La scintigrafia ossea nella diagnostica dell'osteopatia renale. Minerva Med 69(58):3951–9, 30 Nov 78 (Eng. Abstr.) **(Ita)**
ADULT/ BONE AND BONES, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ KIDNEY DISEASES, complications/ KIDNEY DISEASES, pathology/ KIDNEY DISEASES, radionuclide imaging/ *KIDNEY FAILURE, CHRONIC, radionuclide imaging/ MALE/ MIDDLE AGE/ OSTEOMALACIA, etiology/ OSTEOMALACIA, pathology/ *RENAL OSTEODYSTROPHY, radionuclide imaging

2742. **Niarchos AP, Roberts AJ, Case DB, et al:** Hemodynamic

characteristics of hypertension after coronary bypass surgery and effects of the converting enzyme inhibitor. Am J Cardiol 43(3):586–93, Mar 79
ADULT/ ANGIOTENSIN II, pharmacodynamics/ *AORTOCORONARY BYPASS/ BLOOD PRESSURE, drug effects/ CARDIAC OUTPUT, drug effects/ *ENZYME INHIBITORS, pharmacodynamics/ ENZYME INHIBITORS, therapeutic use/ FEMALE/ *HEMODYNAMICS, drug effects/ HUMAN/ *HYPERTENSION, drug therapy/ HYPERTENSION, etiology/ MALE/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS/ RENIN, blood/ STROKE VOLUME, drug effects/ VASCULAR RESISTANCE, drug effects

2743. **Nice EC, O'Hare MJ:** High-pressure liquid chromatography of polypeptide hormones [proceedings] J Endocrinol 79(2):47P–48P, Nov 78
CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ *HORMONES, isolation & purification/ *PEPTIDES, isolation & purification

2744. **Nicholls DG:** The regulation of extramitochondrial free calcium ion concentration by rat liver mitochondria. Biochem J 176(2):463–74, 15 Nov 78
ACETATES, pharmacodynamics/ ANIMAL/ *CALCIUM, metabolism/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ KINETICS/ MAGNESIUM, pharmacodynamics/ MITOCHONDRIA, LIVER, drug effects/ *MITOCHONDRIA, LIVER, metabolism/ POTASSIUM, pharmacodynamics/ RATS/ TEMPERATURE/ THERMODYNAMICS/ VALINOMYCIN, pharmacodynamics

2745. **Nicholson RI, Finney EJ, Maynard PV:** Activity of a new analogue of luteinizing hormone releasing hormone, ICI 118630, on the growth of rat mammary tumours [proceedings] J Endocrinol 79(2):51P–52P, Nov 78
ANIMAL/ CASTRATION/ FEMALE/ *LH-FSH RELEASING HORMONE, analogs & derivatives/ LH-FSH RELEASING HORMONE, therapeutic use/ *MAMMARY NEOPLASMS, EXPERIMENTAL, drug therapy/ RATS/ TAMOXIFEN, therapeutic use

2746. **Nickelsen T, Demisch K, Schulz F, et al:** Untersuchungen über die Cortisol- und Testosteronsubstitution bei Patienten mit Nebenniereninsuffizienz und Hypogonadismus. Verh Dtsch Ges Inn Med (84):1448–53, 1978 **(Ger)**
*ADRENAL GLAND HYPOFUNCTION, therapy/ ADULT/ FEMALE/ HUMAN/ HYDROCORTISONE, therapeutic use/ *HYPOGONADISM, therapy/ MALE/ MIDDLE AGE/ TESTOSTERONE, therapeutic use

2747. **Nicol GD, Miller WH:** Cyclic GMP injected into retinal rod outer segments increases latency and amplitude of response to illumination. Proc Natl Acad Sci USA 75(10):5217–20, Oct 78
ANIMAL/ BUFO MARINUS/ FROGS/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ IN VITRO/ *LIGHT/ *MEMBRANE POTENTIALS, drug effects/ REACTION TIME/ *RETINA, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2748. **Nicolaides NJ:** Liver cell adenoma associated with oral contraceptive hormone therapy. Med J Aust 2(6):274–6, 9 Sep 78
ADULT/ CASE REPORT/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ *HEPATOMA, chemically induced/ HEPATOMA, pathology/ HUMAN/ *LIVER NEOPLASMS, chemically induced/ LIVER NEOPLASMS, pathology

2749. **Nicoll RA:** The action of thyrotropin-releasing hormone, substance P and related peptides on frog spinal motoneurons. J Pharmacol Exp Ther 207(3):817–24, Dec 78
ACTION POTENTIALS, drug effects/ ANIMAL/ *BOMBESIN, pharmacodynamics/ FROGS/ GLUTAMATES, pharmacodynamics/ IN VITRO/ MICROELECTRODES/ *MOTOR NEURONS, drug effects/ *NEUROTENSIN, pharmacodynamics/ *PEPTIDES, pharmacodynamics/ RANA PIPIENS/ *SPINAL NERVE ROOTS, drug effects/ *SUBSTANCE P, pharmacodynamics/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics

2750. **Niebyl JR, Blake DA, Freeman JM, et al:** Carbamazepine levels in pregnancy and lactation. Obstet Gynecol 53(1):139–40, Jan 79
ADULT/ CARBAMAZEPINE, adverse effects/ *CARBAMAZEPINE, metabolism/ CARBAMAZEPINE, therapeutic use/ CASE REPORT/ EPILEPSY, TEMPORAL LOBE, drug therapy/ FEMALE/ FETAL BLOOD/ FETUS, drug effects/ HUMAN/ *LACTATION/ *MILK, HUMAN, metabolism/ PHENOBARBITAL, metabolism/ PHENOBARBITAL, therapeutic use/ PREGNANCY COMPLICATIONS, drug therapy/ *PREGNANCY/ PRIMIDONE, metabolism/ PRIMIDONE, therapeutic use

2751. **Nielsen HE:** Bone mineral content in renal transplant patients. Clin Nephrol 10(5):196–200, Nov 78
ADULT/ AGE FACTORS/ AGED/ ALKALINE PHOSPHATASE, blood/ BONE AND BONES, analysis/ FEMALE/ HEMODIALYSIS/ HUMAN/ HYPERCALCEMIA, metabolism/ IMMUNOSUPPRESSIVE AGENTS, administration & dosage/ *KIDNEY, transplantation/ MALE/ MIDDLE AGE/ *MINERALS, analysis/ SEX FACTORS/ TIME FACTORS/ TRANSPLANTATION, ALLOGENEIC

2752. **Nielsen R:** Effect of the polyene antibiotic filipin and the calcium ionophore A23187 on sodium transport in isolated frog skin (Rana temporaria). J Membr Biol 40 Spec No:331–45, 1978
*A-23187, pharmacodynamics/ ACTION POTENTIALS/ ANIMAL/ *ANTIBIOTICS, pharmacodynamics/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CALCIUM, metabolism/ EPITHELIUM, metabolism/ EPITHELIUM, physiology/ FEMALE/ FILIPIN, antagonists & inhibitors/ *FILIPIN, pharmacodynamics/ FROGS/ MALE/ MATHEMATICS/ MEMBRANE POTENTIALS/ *POLYENES, pharmacodynamics/ POTASSIUM, metabolism/ RANA TEMPORARIA/ *SKIN, metabolism/ SKIN, physiology/ *SODIUM, metabolism/ TRYPSIN, pharmacodynamics/ VASOPRESSINS, pharmacodynamics

2753. **Nieschlag E, Wickings EJ:** Biological effects of antibodies to gonadal steroids. Vitam Horm 36:165–202, 1978 (98 ref.)
ANIMAL/ *ANTIBODIES/ ANTIBODY FORMATION/ ESTRUS/ FEEDBACK/ FEMALE/ HUMAN/ MALE/ NEOPLASMS, HORMONE-DEPENDENT, immunology/ OVULATION/ PHEROMONES, immunology/ PREGNANCY/ REVIEW/ SEX BEHAVIOR, ANIMAL, physiology/ SEX DIFFERENTIATION/ *SEX HORMONES, immunology/ SEX MATURATION/ *STEROIDS, immunology/ TESTIS, physiology

2754. **Niewiadomski M, Doroszewski J, Wasyluk H, et al:** Interdependence of symptoms and signs in hyperthyroidism and euthyroid state. Comput Biol Med 8(4):309–18, 1978
*DIAGNOSIS, COMPUTER ASSISTED/ GOITER, EXOPHTHALMIC, diagnosis/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ *THYROID GLAND, physiology

2755. **Nikiforuk G, Fraser D:** Chemical determinants of enamel hypoplasia in children with disorders of calcium and phosphate homeostasis. J Dent Res 58 Spec No 8:1014–5, Mar 79
CHILD/ *DENTAL ENAMEL HYPOPLASIA, etiology/ HOMEOSTASIS/ HUMAN/ HYPOCALCEMIA, complications/ *HYPOPHOSPHATEMIA, FAMILIAL, complications/ *RICKETS, VITAMIN D RESISTANT, complications

2756. **Nikitina GV:** Progestagennaia i kontratseptivnaia aktivnost' 16alpha-metilenproizvodnogo progesterona. Probl Endokrinol (Mosk) 25(1):68–71, Jan-Feb 79 (Eng. Abstr.) **(Rus)**
ANIMAL/ ANIMALS, NEWBORN/ CASTRATION/ *CONTRACEPTIVES, ORAL/ *CONTRACEPTIVES, ORAL, HORMONAL/ ENDOMETRIUM, drug effects/ ENGLISH ABSTRACT/ FEMALE/ GONADOTROPINS, PITUITARY, analysis/ MELENGESTROL, administration & dosage/ *MELENGESTROL, pharmacodynamics/ MESTRANOL, administration & dosage/ PITUITARY GLAND, ANTERIOR, analysis/ *PREGNADIENES, pharmacodynamics/ PREGNANCY/ PREGNANCY, ANIMAL, drug

effects/ *PROGESTATIONAL HORMONES, SYNTHETIC/ RABBITS/ RATS

2757. **Nikkanen V:** Plasma cholesterol, triglycerides, FSH and testosterone levels of normolipemic male patients with decreased fertility treated with mesterolone. Andrologia 11(1):33–6, Jan 79
ADULT/ *CHOLESTEROL, blood/ *FSH, blood/ HUMAN/ MALE/ *MESTEROLONE, therapeutic use/ OLIGOSPERMIA, blood/ *OLIGOSPERMIA, drug therapy/ *STANOLONE, analogs & derivatives/ *TESTOSTERONE, blood/ *TRIGLYCERIDES, blood

2758. **Nikolaeva IS, Gailonskaia IN, Ferapontov GK, et al:** Vliianie veshchestv, izmeniaiushchikh uroven' vnutrikletochnogo tsAMF, na reaktsiiu blasttransformatsii limfotsitov cheloveka. Tsitologiia 20(12):1407–12, Dec 78 (Eng. Abstr.) **(Rus)**
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANTIGENIC DETERMINANTS/ ANTIGENS, BACTERIAL, analysis/ CELLS, CULTURED/ *CHOLERA TOXIN, immunology/ DEPRESSION, CHEMICAL/ *DIBUTYRYL CYCLIC AMP, immunology/ DOSE-RESPONSE RELATIONSHIP, IMMUNOLOGIC/ DRUG SYNERGISM/ DNA, biosynthesis/ ENGLISH ABSTRACT/ HUMAN/ *LYMPHOCYTE TRANSFORMATION, drug effects/ *THEOPHYLLINE, immunology/ *TOXOIDS, immunology

2759. **Nikolis J, Stolevic E:** Recombinant chromosome as a result of pericentric inversion of X chromosome. Hum Genet 45(2):115–22, 18 Dec 78
ADULT/ CASE REPORT/ CHROMOSOME BANDING/ FEMALE/ HUMAN/ *INVERSION (GENETICS)/ KARYOTYPING/ *SEX CHROMOSOMES/ *TURNER'S SYNDROME, familial & genetic/ *X CHROMOSOME

2760. **Nilius B:** Eigenschaften der vagalen Erregungsübertragung auf das Vorhofmyokard. Acta Biol Med Ger 37(3):453–62, 1978 (Eng. Abstr.) **(Ger)**
ACETYLCHOLINE, secretion/ ANIMAL/ CALCIUM, pharmacodynamics/ CATIONS, DIVALENT/ ENGLISH ABSTRACT/ HEART ATRIUM, drug effects/ *HEART ATRIUM, physiology/ HYDROGEN-ION CONCENTRATION/ IPROVERATRIL, pharmacodynamics/ KINETICS/ MANGANESE, pharmacodynamics/ MATHEMATICS/ PROSTAGLANDINS, pharmacodynamics/ RABBITS/ SODIUM, pharmacodynamics/ VAGUS NERVE, drug effects/ *VAGUS NERVE, physiology

2761. **Nillius SJ, Bergh T, Lundberg PO, et al:** Regression of a prolactin-secreting pituitary tumor during long-term treatment with bromocriptine. Fertil Steril 30(6):710–2, Dec 78
ADENOMA, complications/ *ADENOMA, drug therapy/ ADENOMA, secretion/ ADULT/ AMENORRHEA, etiology/ CASE REPORT/ FEMALE/ GALACTORRHEA, etiology/ HUMAN/ PITUITARY NEOPLASMS, complications/ *PITUITARY NEOPLASMS, drug therapy/ PITUITARY NEOPLASMS, secretion/ PREGNANCY/ PROLACTIN, blood/ *2-BROMOERGOCRYPTINE, therapeutic use

2762. **Nilson JH, Convey EM, Rottman FM:** Purification of pre-prolactin mRNA from bovine anterior pituitary glands. J Biol Chem 254(5):1516–20, 10 Mar 79
ANIMAL/ CATTLE/ MOLECULAR WEIGHT/ *PITUITARY GLAND, ANTERIOR, metabolism/ PLANTS, metabolism/ POLY A, analysis/ *PROLACTIN, biosynthesis/ *PROTEIN PRECURSORS, biosynthesis/ *RNA, MESSENGER, isolation & purification/ RNA, MESSENGER, metabolism/ TRANSLATION, GENETIC/ UNITED STATES GOV'T SUPPORTED, P.H.S./ WHEAT, metabolism

2763. **Nilsson G:** Nuclear segmentation in goitre aspirates. Acta Pathol Microbiol Scand [A] 87(1):11–3, Jan 79
BIOPSY, NEEDLE/ *CELL NUCLEUS, ultrastructure/ *GOITER, pathology/ GOITER, NODULAR, pathology/ HUMAN/ HYPERTHYROIDISM, pathology/ THYROID GLAND, ultrastructure

2764. **Nimmo HG, Houston B:** Rat adipose-tissue glycerol phosphate acyltransferase can be inactivated by cyclic AMP-dependent protein kinase. Biochem J 176(2):607–10, 15 Nov 78
*ACYLTRANSFERASES, antagonists & inhibitors/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *ADIPOSE TISSUE, enzymology/ ANIMAL/ *GLYCEROLPHOSPHATE ACYLTRANSFERASE, antagonists & inhibitors/ IN VITRO/ MALE/ MICROSOMES, metabolism/ PHOSPHORYLATION/ *PROTEIN KINASE, pharmacodynamics/ RATS

2765. **Nini G, Di Cicco CO:** Valutazione clinica controllata di un nuovo antiemorroidario secondo un disegno sperimentale completamente randomizzato. Clin Ter 86(6):545–59, 30 Sep 78 (Eng. Abstr.) **(Ita)**
P-AMINOBENZOIC ACID, therapeutic use/ ADULT/ AGED/ *BELLADONNA ALKALOIDS, therapeutic use/ CLINICAL RESEARCH/ DRUG COMBINATIONS/ DRUG EVALUATION/ ENGLISH ABSTRACT/ *ESCIN, therapeutic use/ *HEMORRHOIDS, drug therapy/ HEPARIN, therapeutic use/ HUMAN/ HYDROCORTISONE, therapeutic use/ *LINOLEIC ACIDS, therapeutic use/ *LINOLENIC ACIDS, therapeutic use/ MIDDLE AGE/ OILS/ *SAPONINS, therapeutic use/ *TETRACAINE, therapeutic use

2766. **Nir I, Hirschmann N:** Pineal N-acetyltransferase depression in rats exposed to heat. Experientia 34(12):1645–6, 15 Dec 78
*ACETYLTRANSFERASES, metabolism/ ANIMAL/ *HEAT/ MALE/ *PINEAL BODY, enzymology/ RATS/ TIME FACTORS

2767. **Nishimoto SK, Price PA:** Proof that the gamma-carboxyglutamic acid-containing bone protein is synthesized in calf bone. Comparative synthesis rate and effect of coumadin on synthesis. J Biol Chem 254(2):437–41, 25 Jan 79
ANIMAL/ *BONE AND BONES, metabolism/ CATTLE/ COLLAGEN, biosynthesis/ *GLUTAMATES, analysis/ KINETICS/ PROLINE, metabolism/ *PROTEINS, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *WARFARIN, pharmacodynamics/ *1-CARBOXYGLUTAMIC ACID, analysis

2768. **Nishimura C, Koike T, Kiyono S:** [The effects of premedication on thyroid hormone T3, T4 and R.S.U. in man (author's transl)] Masui 27(13):1575–9, Dec 78 (Eng. Abstr.) **(Jpn)**
ADOLESCENCE/ ADULT/ AGED/ *ANESTHETICS, pharmacodynamics/ ATROPINE, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MEPERIDINE, pharmacodynamics/ MIDDLE AGE/ PENTOBARBITAL, pharmacodynamics/ *PREMEDICATION/ RESINS/ THYROID DISEASES, blood/ *THYROID FUNCTION TESTS/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood

2769. **Nishimura H:** Physiological evolution of the renin-angiotensin system. Jpn Heart J 19(5):806–22, Sep 78
ADRENAL CORTEX HORMONES, secretion/ ANGIOTENSINS, pharmacodynamics/ *ANGIOTENSINS, physiology/ ANIMAL/ CALCIUM, metabolism/ DIURESIS, drug effects/ DOGS/ DRINKING, drug effects/ *EVOLUTION/ FROGS/ HEMODYNAMICS, drug effects/ RENIN, blood/ *RENIN, physiology/ VASOMOTOR SYSTEM, drug effects/ VERTEBRATES

2770. **Nissen E, Tanneberger S, Projan A, et al:** Recent results of in vitro drug prediction in human tumour chemotherapy. Arch Geschwulstforsch 48(7):667–72, 1978
ANTINEOPLASTIC AGENTS, pharmacodynamics/ *ANTINEOPLASTIC AGENTS, therapeutic use/ *DRUG SCREENING, methods/ FEMALE/ HUMAN/ IN VITRO/ LUNG NEOPLASMS, drug therapy/ LUNG NEOPLASMS, mortality/ LUNG NEOPLASMS, surgery/ *ORGAN CULTURE/ OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, mortality/ OVARIAN NEOPLASMS, surgery

2771. **Nissen NI, Pajak TF, Glidewell O, et al:** A comparative study of a BCNU containing 4-drug program versus MOPP versus 3-drug combinations in advanced Hodgkin's disease: a cooperative study by the Cancer and Leukemia Group B. Cancer 43(1):31–40, Jan 79
ADULT/ *ANTINEOPLASTIC AGENTS,

administration & dosage/ CARMUSTINE, administration & dosage/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DRUG THERAPY, COMBINATION/ FEMALE/ *HODGKIN'S DISEASE, drug therapy/ HUMAN/ LEUKEMIA, etiology/ MALE/ MECHLORETHAMINE, administration & dosage/ MIDDLE AGE/ NEOPLASMS, MULTIPLE PRIMARY, etiology/ PREDNISONE, administration & dosage/ PROCARBAZINE, administration & dosage/ REMISSION/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VINCRISTINE, administration & dosage

2772. **Nissenson RA, Arnaud CD:** Properties of the parathyroid hormone receptor-adenylate cyclase system in chicken renal plasma membranes. J Biol Chem 254(5):1469–75, 10 Mar 79
*ADENYL CYCLASE, metabolism/ ANIMAL/ CELL MEMBRANE, metabolism/ CHICKENS/ CORTICOTROPIN, pharmacodynamics/ ENZYME ACTIVATION/ FEMALE/ *KIDNEY, metabolism/ KINETICS/ *PARATHYROID HORMONE, metabolism/ PEPTIDE FRAGMENTS/ *RECEPTORS, HORMONE, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2773. **Nitzschner H:** Nebenwirkungen der externen Kortikosteroidtherapie1) I. Auf die Hart beschränkte Nebenwirkungen. Z Aerztl Fortbild (Jena) 72(20):976–80, 15 Oct 78 **(Ger)**
ACNE, chemically induced/ ADMINISTRATION, TOPICAL/ *ADRENAL CORTEX HORMONES, adverse effects/ ANGIONEUROTIC EDEMA, chemically induced/ ATROPHY/ CALCINOSIS, chemically induced/ CHLORAMPHENICOL, adverse effects/ FAT NECROSIS, chemically induced/ FEMALE/ HUMAN/ LYMPHATIC DISEASES, chemically induced/ MALE/ SKIN DISEASES, chemically induced

2774. **Nitzschner H:** [Side effects of topical corticosteroid therapy. II. Systemic side effects] Z Aerztl Fortbild (Jena) 72(21):1021–4, 1 Nov 78 (169 ref.) **(Ger)**
ADMINISTRATION, TOPICAL/ ADRENAL CORTEX HORMONES, administration & dosage/ *ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, metabolism/ CHILD/ CIRCADIAN RHYTHM/ CUSHING'S SYNDROME/ GLAUCOMA, chemically induced/ GROWTH DISORDERS, chemically induced/ HUMAN/ HYDROCORTISONE, blood/ INTRACRANIAL PRESSURE/ MUSCULAR DYSTROPHY, chemically induced/ REVIEW

2775. **Nizzo MC, Tegos S, Gallamini A, et al:** Brain cortex phospholipids liposomes effects on CSF HVA, 5-HIAA and on prolactin and somatotropin secretion in man. J Neural Transm 43(2):93–102, 1978
ADOLESCENCE/ ADULT/ AGED/ ANIMAL/ CATTLE/ *CEREBRAL CORTEX/ FEMALE/ *HOMOVANILLIC ACID, cerebrospinal fluid/ HUMAN/ *HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ LIPOSOMES, administration & dosage/ *LIPOSOMES, pharmacodynamics/ MALE/ MIDDLE AGE/ *PHENYLACETATES, cerebrospinal fluid/ PHOSPHOLIPIDS, administration & dosage/ *PHOSPHOLIPIDS, pharmacodynamics/ *PROLACTIN, blood/ *SOMATOTROPIN, blood/ TIME FACTORS

2776. **Noden PA, Oxender WD, Hafs HD:** Early changes in serum progesterone, estradiol and LH during prostaglandin F2alpha-induced luteolysis in mares. J Anim Sci 47(3):666–71, Sep 78
ANIMAL/ *CORPUS LUTEUM, drug effects/ *ESTRADIOL, blood/ FEMALE/ *HORSES, blood/ HORSES, physiology/ *LH, blood/ OVULATION/ *PROGESTERONE, blood/ *PROSTAGLANDINS F, SYNTHETIC, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2777. **Noël B, Tous J:** Sexual determination of XX men. J Genet Hum 26(3):287–8, Sep 78
DIAGNOSIS, DIFFERENTIAL/ *H-Y ANTIGEN, genetics/ HUMAN/ KLINEFELTER'S SYNDROME, diagnosis/ KLINEFELTER'S SYNDROME, familial & genetic/ MALE/ PHENOTYPE/ *SEX CHROMOSOMES/ *SEX DETERMINATION/ *X CHROMOSOME

2778. **Nogales FF Jr, Matilla F, Nogales-Ortiz F, et al:** Yolk sac tumors with pure and mixed polyvesicular vitelline patterns. Hum Pathol 9(5):553–66, Sep 78
ADULT/ BASEMENT MEMBRANE, pathology/ CYTOPLASM, pathology/ EPITHELIUM, pathology/ FEMALE/ HUMAN/ *MESONEPHROMA, pathology/ MESONEPHROMA, therapy/ NEOPLASM METASTASIS/ ORGANOIDS, pathology/ *OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, therapy

2779. **Nolten WE, Rueckert PA, Lindheimer MD, et al:** A simple method for determining the free cortisol index in plasma: measurements in human pregnancy. J Lab Clin Med 93(1):146–53, Jan 79
ADOLESCENCE/ ADSORPTION/ ADULT/ BINDING SITES/ CHARCOAL, pharmacodynamics/ CONTRACEPTIVES, ORAL/ FEMALE/ FETAL BLOOD, metabolism/ HUMAN/ *HYDROCORTISONE, blood/ MALE/ MIDDLE AGE/ PREGNANCY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2780. **Nolting S, Fegeler K:** Prädisponierende Faktoren bei der Candidosis. Z Hautkr 54(2):58–64, 15 Jan 79 (Eng. Abstr.) **(Ger)**
BACTERIAL INFECTIONS, complications/ DRUG THERAPY, adverse effects/ ENDOCRINE DISEASES, complications/ ENGLISH ABSTRACT/ HUMAN/ IMMUNOLOGIC DEFICIENCY SYNDROMES, complications/ METABOLIC DISEASES, complications/ MONILIASIS, etiology/ MONILIASIS, immunology/ MONILIASIS, CUTANEOUS, etiology/ *MONILIASIS, CUTANEOUS, immunology/ POSTOPERATIVE COMPLICATIONS/ SKIN, injuries/ SKIN, physiopathology

2781. **Noonan JA:** Association of congenital heart disease with syndromes or other defects. Pediatr Clin North Am 25(4):797–816, Nov 78 (80 ref.)
*ABNORMALITIES, MULTIPLE, diagnosis/ ABNORMALITIES, MULTIPLE, occurrence/ ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ CHROMOSOME ABNORMALITIES, diagnosis/ *DISEASE/ DOWN'S SYNDROME, complications/ *FACE/ FEMALE/ FETAL ALCOHOL SYNDROME, complications/ HAND, abnormalities/ *HEART DEFECTS, CONGENITAL, complications/ HEART DEFECTS, CONGENITAL, diagnosis/ HUMAN/ INFANT/ INFANT, NEWBORN/ LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ MALE/ NOONAN SYNDROME, complications/ PREGNANCY/ REVIEW/ *SYNDROME/ TERATOGENS/ TURNER'S SYNDROME, complications/ UNITED STATES

2782. **Noonan JJ, Adair RL, Halbert SA, et al:** Quantitative assessment of oxytocin-stimulated oviduct contractions of the ewe by optoelectronic measurements. J Anim Sci 47(4):914–8, Oct 78
ANIMAL/ *FALLOPIAN TUBES, drug effects/ IN VITRO/ MALE/ METHODS/ MUSCLE CONTRACTION, drug effects/ OPTICS/ *OXYTOCIN, pharmacodynamics/ *SHEEP, physiology/ TRANSDUCERS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2783. **Norgren R:** Projections from the nucleus of the solitary tract in the rat. Neuroscience 3(2):207–18, 1978
ANIMAL/ BRAIN MAPPING/ CEREBELLAR NUCLEI, anatomy & histology/ CEREBRAL VENTRICLES, anatomy & histology/ HYPOTHALAMUS, anatomy & histology/ LIMBIC SYSTEM, anatomy & histology/ MALE/ *MEDULLA OBLONGATA, anatomy & histology/ NEURAL PATHWAYS, anatomy & histology/ PONS, anatomy & histology/ RATS/ RETICULAR FORMATION, anatomy & histology/ TASTE/ THALAMUS, anatomy & histology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2784. **Norlén K, Rentzhog L, Wikström S:** Hemodynamic effects of methylprednisolone in rats subjected to segmental intestinal ischemia. Acta Chir Scand 144(5):307–12, 1978
ANIMAL/ BLOOD TRANSFUSION/ EDEMA, diagnosis/ *HEMODYNAMICS, drug effects/ *INTESTINE, SMALL, blood supply/ *ISCHEMIA, drug therapy/ ISCHEMIA, physiopathology/ MALE/ *MESENTERIC VASCULAR OCCLUSION, drug

therapy/ MESENTERIC VASCULAR OCCLUSION, physiopathology/ METHYLPREDNISOLONE, administration & dosage/ *METHYLPREDNISOLONE, therapeutic use/ MICROSPHERES/ RATS/ VASCULAR RESISTANCE, drug effects

2785. **Nouvel C, Caranobe C, Sie P, et al:** Platelet volume, density and 5 HT organelles (mepacrine test) in acute leukaemia. Scand J Haematol 21(5):421–6, Nov 78
BLOOD CELL COUNT/ *BLOOD PLATELETS/ BLOOD PLATELETS, metabolism/ CYTOPLASMIC GRANULES, metabolism/ HUMAN/ *LEUKEMIA, blood/ LEUKEMIA, LYMPHOBLASTIC, blood/ LEUKEMIA, MONOBLASTIC, blood/ LEUKEMIA, MYELOBLASTIC, blood/ QUINACRINE, diagnostic use/ *SEROTONIN, blood/ THROMBOCYTOSIS, blood

2786. **Novogrodsky A, Rubin AL, Stenzel KH:** Selective suppression by adherent cells, prostaglandin, and cyclic AMP analogues of blastogenesis induced by different mitogens. J Immunol 122(1):1–7, Jan 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADULT/ AGGLUTININS/ CELL ADHESION/ CELL SEPARATION/ CONCANAVALIN A, pharmacodynamics/ HUMAN/ *LYMPHOCYTE TRANSFORMATION/ MIDDLE AGE/ *MITOGENS, pharmacodynamics/ PEANUTS/ PHYTOHEMAGGLUTININS, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ *T-LYMPHOCYTES, immunology

2787. **Nozue T:** Relationships between neural crest cells and catecholamine in suckling mice. Experientia 34(10):1347–9, 15 Oct 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ ANIMALS, SUCKLING/ CELL CYCLE, drug effects/ *ISOPROTERENOL/ ISOPROTERENOL, pharmacodynamics/ MICE/ *NEOPLASMS, EXPERIMENTAL, chemically induced/ NEOPLASMS, EXPERIMENTAL, pathology/ NEURAL CREST, cytology/ *NEURAL CREST, drug effects

2788. **Nugteren DH, Jouvenaz GH, Dutilh CE:** Determination of prostaglandins and other products of arachidonate oxygenation in perfusates and during platelet aggregation. Acta Biol Med Ger 37(5–6):701–6, 1976
ANIMAL/ *ARACHIDONIC ACIDS, blood/ HEART, physiology/ IN VITRO/ LUNG, physiology/ OXIDATION-REDUCTION/ PERFUSION/ *PLATELET AGGREGATION/ *PROSTAGLANDINS, blood/ RABBITS/ RATS

2789. **Numann PJ, Breslau N, Moses AM:** Chlorpropamide-induced changes in patients with hyperparathyroidism. Surgery 85(2):196–200, Feb 79
ADENOSINE MONOPHOSPHATE, urine/ ADULT/ AGED/ CALCIUM, blood/ CALCIUM, urine/ CHLORPROPAMIDE, administration & dosage/ *CHLORPROPAMIDE, therapeutic use/ DIABETES MELLITUS, complications/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, drug therapy/ HYPERPARATHYROIDISM, metabolism/ MALE/ MIDDLE AGE/ SODIUM, urine/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2790. **Numazawa M, Tanaka T, Nambara T:** Determination of estrogen ring D glucuronides in pregnancy plasma by direct radioimmunoassay without hydrolysis. Clin Chim Acta 91(2):169–75, 15 Jan 79
ANIMAL/ *ESTRADIOL, blood/ *ESTRIOL, blood/ FEMALE/ *GLUCURONATES, blood/ HUMAN/ IMMUNE SERUMS/ *PREGNANCY/ RABBITS/ RADIOIMMUNOASSAY

2791. **Nunziata V, Ceparano G, Mazzacca G, et al:** Prolactin secretion in nonalcoholic liver cirrhosis. Digestion 18(3–4):157–61, 1978
ADULT/ AGED/ HUMAN/ LIVER CIRRHOSIS, blood/ *LIVER CIRRHOSIS, physiopathology/ MALE/ MIDDLE AGE/ *PITUITARY GLAND, ANTERIOR, physiopathology/ PITUITARY GLAND, ANTERIOR, secretion/ PROLACTIN, blood/ *PROLACTIN, secretion/ SULPIRIDE, diagnostic use

2792. **Nürnberger F, Riedel-Pauls W, Gräf KJ, et al:** Status protrusus cutis und Sexualhormone beim Klinefelter-Syndrom. Z Hautkr 54(2):47–57, 15 Jan 79 **(Ger)**
*ADIPOSE TISSUE, pathology/ ADOLESCENCE/ ADULT/ ANDROGENS, blood/ COMPARATIVE STUDY/ ESTROGENS, blood/ FEMALE/ HUMAN/ *KLINEFELTER'S SYNDROME, pathology/ KLINEFELTER'S SYNDROME, physiopathology/ MALE/ MIDDLE AGE/ *SEX HORMONES, blood/ *SKIN, pathology

2793. **Nuti R, Vattimo A:** La mineralometria ossea nel morbo di Paget. Boll Soc Ital Biol Sper 54(2):141–5, 30 Jan 78 **(Ita)**
ADULT/ AGED/ ALKALINE PHOSPHATASE, blood/ *BONE AND BONES, metabolism/ FEMALE/ HUMAN/ HYDROXYPROLINE, urine/ MALE/ MIDDLE AGE/ *MINERALS, analysis/ *OSTEITIS DEFORMANS, metabolism

2794. **Nydegger H, Stadler H:** The effect of phenylthiocarbamide (PTC) on mouse brain development. Experientia 34(10):1319–20, 15 Oct 78
ACETYLCHOLINESTERASE, metabolism/ ANIMAL/ BRAIN, drug effects/ *BRAIN, embryology/ BRAIN, metabolism/ DNA, metabolism/ EPENDYMA, drug effects/ EPENDYMA, embryology/ MICE/ NERVE TISSUE PROTEINS, metabolism/ *PHENYLTHIOUREA, pharmacodynamics/ RNA, metabolism/ THYROXINE, antagonists & inhibitors

2795. **Nyulassy S, Buc M, Hnilica P, et al:** Subakútna (de Quervainova) tyreoiditída. Imunogenetická štúdia. Bratisl Lek Listy 70(6):691–8, Dec 78 (Eng. Abstr.) **(Slo)**
ADULT/ COMPLEMENT, analysis/ ENGLISH ABSTRACT/ FEMALE/ HISTOCOMPATIBILITY ANTIGENS, analysis/ HUMAN/ IMMUNOGENETICS/ IMMUNOGLOBULINS, analysis/ MALE/ MIDDLE AGE/ *THYROIDITIS, immunology

O

2796. **Oates JA, Whorton AR, Gerkens JF, et al:** The participation of prostaglandins in the control of renin release. Fed Proc 38(1):72–4, Jan 79
ALDOSTERONE, biosynthesis/ ALDOSTERONE, blood/ ANIMAL/ DOGS/ HYPOTENSION, metabolism/ INDOMETHACIN, pharmacodynamics/ KIDNEY, metabolism/ PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, physiology/ RABBITS/ RECEPTORS, ADRENERGIC, BETA, physiology/ RENIN, blood/ *RENIN, metabolism/ SODIUM, metabolism

2797. **Oats JJ, Beischer NA:** The recurrence rate and significance of low oestriol excretion in successive pregnancies. Br J Obstet Gynaecol 86(1):15–8, Jan 79
*ESTRIOL, urine/ FEMALE/ FETAL DEATH, urine/ FETAL GROWTH RETARDATION, urine/ HUMAN/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, urine/ INFANT, SMALL FOR GESTATIONAL AGE/ *PREGNANCY COMPLICATIONS, urine/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY

2798. **O'Brien PM, Pipkin FB:** The effects of deprivation of prostaglandin precursors on vascular sensitivity to angiotensin II and on the kidney in the pregnant rabbit. Br J Pharmacol 65(1):29–34, Jan 79
*ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ BLOOD PRESSURE, drug effects/ DIET/ ELECTROLYTES, urine/ *FATTY ACIDS, ESSENTIAL, deficiency/ FEMALE/ *HEMODYNAMICS, drug effects/ KIDNEY, anatomy & histology/ *KIDNEY, physiology/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROSTAGLANDINS, deficiency/ RABBITS/ RENIN, blood

2799. **Obrink A, Bunne G, Collen J, et al:** Endometrial cancer and exogenous estrogens [letter] Acta Obstet Gynecol Scand 58(1):123, 1979
AGED/ *ESTROGENIC SUBSTANCES, CONJUGATED, adverse effects/ *ESTROGENS, SYNTHETIC, adverse effects/ FEMALE/ HUMAN/ MIDDLE AGE/ *UTERINE NEOPLASMS, chemically induced

2800. **Obtulowicz K, Chlap Z, Olszewski E:** Bronchial asthma and pathological processes in the nasopharynx. I. Clinical analysis during remission and attack. Ann Allergy 42(1):44–8, Jan 79
ADULT/ ASTHMA, complications/ *ASTHMA,

pathology/ EOSINOPHILIA, complications/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ MALE/ NASAL MUCOSA, pathology/ NASAL POLYPS, complications/ NASOPHARYNX, microbiology/ *NASOPHARYNX, pathology/ PARANASAL SINUSES, radiography/ PARASYMPATHOMIMETICS, therapeutic use/ REMISSION

2801. **Occhipinti M:** Prostaglandins and gastrointestinal function. Adv Pediatr 25:205–21, 1978
ANIMAL/ ESOPHAGOGASTRIC JUNCTION, drug effects/ GASTRIC JUICE, secretion/ *GASTROINTESTINAL SYSTEM, drug effects/ GUINEA PIGS/ HUMAN/ INSULIN, secretion/ INTESTINAL ABSORPTION, drug effects/ LIVER CIRCULATION, drug effects/ PANCREATIC JUICE, secretion/ *PEPTIC ULCER, drug therapy/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS E, therapeutic use/ PROSTAGLANDINS F, pharmacodynamics/ PROSTAGLANDINS, metabolism/ *PROSTAGLANDINS, pharmacodynamics

2802. **Odink J, Brand EC, Van Hall EV:** Ovarian binding and intrinsic biological activity of desialylated human chorionic gonadothrophin (ASIALO-hCG).
Acta Endocrinol (Copenh) 90(2):349–60, Feb 79
ASCORBIC ACID, metabolism/ FEMALE/ *GONADOTROPINS, CHORIONIC, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ NEPHRECTOMY/ OROSOMUCOID, metabolism/ OROSOMUCOID, pharmacodynamics/ *OVARY, metabolism/ OVULATION, drug effects/ RATS/ RECEPTORS, HORMONE

2803. **O'Donnell MC, Henson PM, Fiedel BA:** Activation of human platelets by platelet activating factor (PAF) derived from sensitized rabbit basophils. Immunology 35(6):953–8, Dec 78
ANIMAL/ ANTIGENS, immunology/ ARACHIDONIC ACIDS, antagonists & inhibitors/ *BASOPHILS, immunology/ *BLOOD COAGULATION FACTORS, immunology/ *BLOOD PLATELETS, immunology/ BLOOD PLATELETS, physiology/ DOSE-RESPONSE RELATIONSHIP, IMMUNOLOGIC/ HUMAN/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ PLATELET AGGREGATION/ RABBITS/ SEROTONIN, secretion/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2804. **Oeken FW, Görisch I, Weilepp M:** Was leistet die konservative Therapie bei der 'idiopathischen' Fazialisparese. Psychiatr Neurol Med Psychol (Leipz) 30(9):554–62, Sep 78 (Eng. Abstr.) **(Ger)**
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, administration & dosage/ ADULT/ *ANTIBIOTICS, administration & dosage/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FACIAL PARALYSIS, drug therapy/ *FACIAL PARALYSIS, therapy/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ MIDDLE AGE/ *PHENYLBUTAZONE, analogs & derivatives/ PHENYLBUTAZONE, administration & dosage/ PHENYLBUTAZONE, therapeutic use/ PHYSICAL THERAPY/ *SALICYLATES, administration & dosage/ SALICYLATES, therapeutic use/ *SULFONAMIDES, administration & dosage

2805. **Oeltmann TN, Heath EC:** A hybrid protein containing the toxic subunit of ricin and the cell-specific subunit of human chorionic gonadotropin. I. Synthesis and characterization. J Biol Chem 254(4):1022–7, 25 Feb 79
ANIMAL/ CHEMISTRY/ DISULFIDES/ *GONADOTROPINS, CHORIONIC/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ IMIDES/ PROTEIN HYBRIDIZATION/ RABBITS/ RETICULOCYTES, metabolism/ RIBOSOMES, drug effects/ RIBOSOMES, metabolism/ *RICIN/ RICIN, pharmacodynamics/ TRANSLATION, GENETIC, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2806. **Oeltmann TN, Heath EC:** A hybrid protein containing the toxic subunit of ricin and the cell-specific subunit of human chorionic gonadotropin. II. Biologic properties. J Biol Chem 254(4):1028–32, 25 Feb 79
ANIMAL/ CELL LINE/ CHEMISTRY/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ KINETICS/ L CELLS, drug effects/ L CELLS, metabolism/ LEYDIG CELLS, drug effects/ LEYDIG CELLS, metabolism/ MALE/ PROTEIN HYBRIDIZATION/ RATS/ *RICIN, pharmacodynamics/ *TRANSLATION, GENETIC, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2807. **O'Farrell MK, Clingan D, Rudland PS, et al:** Stimulation of the initiation of DNA synthesis and cell division in several cultured mouse cell types. Effect of growth-promoting hormones and nutrients. Exp Cell Res 118(2):311–21, Feb 79
*CELL DIVISION, drug effects/ CELL LINE/ COMPARATIVE STUDY/ *DNA, biosynthesis/ EPIDERMAL GROWTH FACTORS, pharmacodynamics/ *GROWTH SUBSTANCES, pharmacodynamics/ HYPOXANTHINES, pharmacodynamics/ *INSULIN, pharmacodynamics/ POLYPHLORETIN PHOSPHATE, pharmacodynamics/ *PROSTAGLANDINS F, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ VITAMIN B 12, pharmacodynamics

2808. **Ogawa K, Ito T, Ban M, et al:** Effects of exogenous prostaglandin E1 on human plasma norepinephrine level and dopamine-beta-hydrolyxase activity. Acta Biol Med Ger 37(5–6):845–8, 1976
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ BLOOD PRESSURE, drug effects/ *DOPAMINE BETA-HYDROXYLASE, blood/ FATTY ACIDS, NONESTERIFIED, blood/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ HEART RATE, drug effects/ HUMAN/ MALE/ *NOREPINEPHRINE, blood/ *PROSTAGLANDINS E, diagnostic use

2809. **Ogawa M, Oguri M:** Occurrence of the renin-angiotensin system in the vertebrates. Jpn Heart J 19(5):791–8, Sep 78
*ANGIOTENSINS, analysis/ ANIMAL/ BLOOD PRESSURE/ EVOLUTION/ JUXTAGLOMERULAR APPARATUS, cytology/ KIDNEY, cytology/ *RENIN, analysis/ RENIN, physiology/ VERTEBRATES, anatomy & histology/ *VERTEBRATES, metabolism/ VERTEBRATES, physiology

2810. **Ogawa M, Ozaki M:** Serotonin metabolism in hypertension produced by chemical lesion of the locus coeruleus in the rat. Jpn Heart J 19(4):637–8, Jul 78
ANIMAL/ *HYPERTENSION, etiology/ HYPERTENSION, metabolism/ *LOCUS COERULEUS, physiology/ MALE/ RATS/ *SEROTONIN, metabolism

2811. **Ogawa Y, Shintaku T, Taneda H, et al:** Application of the double isotope technique for visualization of the location of the adrenal glands. Bull Osaka Med Sch 24(1):7–15, Jul 78
*ADRENAL GLANDS, radionuclide imaging/ ADULT/ AGED/ *ALDOSTERONE, diagnostic use/ DIMERCAPTOSUCCINIC ACID, diagnostic use/ FEMALE/ HUMAN/ *IODINE RADIOISOTOPES, diagnostic use/ KIDNEY, radionuclide imaging/ MALE/ MIDDLE AGE/ *TECHNETIUM, diagnostic use

2812. **Ogez J, Benisek WF:** Binding of steroids to P. testosteroni delta5-3-ketosteroid isomerase: measurement of the number of binding sites by equilibrium dialysis.
Biochem Biophys Res Commun 85(3):1082–9, 14 Dec 78
BINDING SITES/ ESTRADIOL/ *ISOMERASES, metabolism/ KINETICS/ NANDROLONE/ PROGESTERONE/ PROTEIN BINDING/ *PSEUDOMONAS, enzymology/ *STEROID ISOMERASES, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2813. **Ogino K:** [Clonidine and central sympathetic nervous system blockaders] Nippon Rinsho 36(11):3598–606, 10 Nov 78 (24 ref.) **(Jpn)**
ANIMAL/ CLONIDINE, administration & dosage/ CLONIDINE, pharmacodynamics/ *CLONIDINE, therapeutic use/ DOGS/ FEMALE/ *HEMODYNAMICS, drug effects/ HUMAN/ HYPERTENSION, blood/ HYPERTENSION, drug therapy/ MALE/ MIDDLE AGE/ RENIN, blood/ REVIEW/ SYMPATHOLYTICS, pharmacodynamics/ *SYMPATHOLYTICS, therapeutic use

2814. **Ogra SS, Weintraub DI, Ogra PL:** Immunologic aspects of human colostrum and milk: interaction with the intestinal immunity of the neonate. Adv Exp Med Biol 107:95–107, 1978
ANTIBODIES, VIRAL, analysis/ *COLOSTRUM, immunology/ FEMALE/ HUMAN/ IGA, analysis/ IGG, analysis/ IGM, analysis/ *IMMUNOGLOBULINS, analysis/ *INFANT, NEWBORN/ INTESTINAL MUCOSA, immunology/ LACTATION/ LYMPHOCYTE TRANSFORMATION/ *MILK, HUMAN, immunology/ POLIOVIRUS, immunology/ PREGNANCY/ *T-LYMPHOCYTES, immunology/ TUBERCULIN/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2815. **Ogurtsov RP, Zubzhitskiĭ IuN:** Allergicheskiĭ orkhit u zhivotnykh, vyzvannyĭ streptokokkovoĭ sensibilizatsieĭ. Arkh Patol 40(12):23–9, 1978 (Eng. Abstr.) **(Rus)**
ANIMAL/ ANTIBODIES, BACTERIAL, analysis/ ANTIGENS, BACTERIAL, administration & dosage/ ENGLISH ABSTRACT/ FEMALE/ GUINEA PIGS/ HYPERSENSITIVITY, DELAYED, immunology/ *HYPERSENSITIVITY, DELAYED, pathology/ IMMUNIZATION/ LYMPHOCYTE TRANSFORMATION/ MALE/ MICE/ MICE, INBRED C57BL/ ORCHITIS, immunology/ *ORCHITIS, pathology/ STREPTOCOCCAL INFECTIONS, immunology/ *STREPTOCOCCAL INFECTIONS, pathology/ TESTIS, immunology/ TESTIS, pathology/ TIME FACTORS

2816. **Oh TE, Turner CW, Ilett KF, et al:** Mechanism of the hypertensive effect of droperidol in pheochromocytoma. Anaesth Intensive Care 6(4):322–7, Nov 78
*ADRENAL GLAND NEOPLASMS, physiopathology/ ANIMAL/ BLOOD PRESSURE, drug effects/ CATS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *DROPERIDOL, adverse effects/ FEMALE/ *HYPERTENSION, chemically induced/ MALE/ NERVE ENDINGS, metabolism/ NOREPINEPHRINE, metabolism/ *PHEOCHROMOCYTOMA, physiopathology/ RABBITS

2817. **Ohanian SH, Schlager SI, Borsos T:** Molecular interactions of cells with antibody and complement: influence of metabolic and physical properties of the target on the outcome of humoral immune attack. Contemp Top Mol Immunol 7:153–80, 1978 (200 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ *ANTIBODIES/ CELL MEMBRANE PERMEABILITY/ *COMPLEMENT ACTIVATION/ *CYTOTOXICITY, IMMUNOLOGIC/ CYTOTOXICITY, IMMUNOLOGIC, drug effects/ ENERGY METABOLISM/ EUKARYOTIC CELLS, immunology/ HEPATOMA, EXPERIMENTAL, immunology/ HORMONES, pharmacodynamics/ HUMAN/ KINETICS/ MEMBRANE FLUIDITY/ MEMBRANE LIPIDS, metabolism/ REVIEW

2818. **Ohara K, Nisizawa K, Oshima M, et al:** [Monitoring of 131I in perspiration of thyroid carcinoma patients administered 131I for therapy (author's transl)] Kaku Igaku 15(7):1049–53, Oct 78 (Eng. Abstr.) **(Jpn)**
ADULT/ *AIR POLLUTION, RADIOACTIVE, analysis/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *IODINE RADIOISOTOPES, analysis/ IODINE RADIOISOTOPES, therapeutic use/ MALE/ MIDDLE AGE/ *RADIATION MONITORING, methods/ *SWEAT, analysis/ *THYROID NEOPLASMS, radiotherapy

2819. **Ohkawa T, Takeuchi O, Ikeda M, et al:** [Experiences in radiation therapy of malignant thymoma (author's transl)] Rinsho Hoshasen 24(1):65–71, Jan 79 (Eng. Abstr.) **(Jpn)**
ADOLESCENCE/ ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PROGNOSIS/ *THYMOMA, radiotherapy/ *THYMUS NEOPLASMS, radiotherapy

2820. **Ohl S, Bamberg M, Holfeld H, et al:** Behandlung von Non-Hodgkin-Lymphomen niedriger Malignität mit Ganzkörperbestrahlung und kombinierter Chemotherapie. Blut 38(2):181–3, 19 Feb 79 **(Ger)**
ADULT/ AGED/ CYCLOPHOSPHAMIDE, therapeutic use/ HUMAN/ LYMPHOMA, drug therapy/ LYMPHOMA, radiotherapy/ *LYMPHOMA, therapy/ MIDDLE AGE/ PREDNISONE, therapeutic use/ RADIOTHERAPY DOSAGE/ VINCRISTINE, therapeutic use

2821. **Ohno H, Morikawa Y, Hirata F:** Studies on 15-hydroxyprostaglandin dehydrogenase with various prostaglandin analogues. J Biochem (Tokyo) 84(6):1485–94, Dec 78
ANIMAL/ CATIONS/ HYDROXYPROSTAGLANDIN DEHYDROGENASES, isolation & purification/ *HYDROXYPROSTAGLANDIN DEHYDROGENASES, metabolism/ LUNG, enzymology/ NAD/ PROSTAGLANDINS/ SUBSTRATE SPECIFICITY/ SWINE

2822. **Ohno S:** Genes and the inner conflicts of being man. Perspect Biol Med 22(1):3–9, Autumn 78
ANDROGENS, physiology/ BEHAVIOR/ *CONFLICT (PSYCHOLOGY)/ CULTURAL EVOLUTION/ FEMALE/ *GENES/ GENES, REGULATOR/ HUMAN/ INTELLIGENCE/ MALE/ *SELECTION (GENETICS)/ SEX BEHAVIOR

2823. **Ohno S, Ciccarese S, Nagai Y, et al:** H-Y antigen in testes of XX(BALB)/XY (C3H) chimaeric male mouse. Arch Androl 1(1):103–9, 1978
ANIMAL/ *CHIMERA/ *HISTOCOMPATIBILITY ANTIGENS, analysis/ IMMUNOGENETICS/ LEYDIG CELLS, immunology/ LEYDIG CELLS, ultrastructure/ MALE/ MICE/ MICE, INBRED BALB C/ MICE, INBRED C3H/ SERTOLI CELLS, immunology/ SERTOLI CELLS, ultrastructure/ SEX CHROMOSOMES/ SKIN, immunology/ SKIN, ultrastructure/ SPLEEN, immunology/ SPLEEN, ultrastructure/ *TESTIS, immunology/ TESTIS, ultrastructure/ UNITED STATES GOV'T SUPPORTED, P.H.S./ Y CHROMOSOME, immunology

2824. **Ohtsuki K, Baron S:** Regulation of interferon-impaired initiation factor activity in vitro by cAMP and dsRNA. Proc Soc Exp Biol Med 159(3):453–7, Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *INTERFERON, pharmacodynamics/ L CELLS/ *PEPTIDE INITIATION FACTORS, antagonists & inhibitors/ POLY I-C, pharmacodynamics/ PROTEIN KINASE, antagonists & inhibitors/ *RNA, pharmacodynamics/ SPECIES SPECIFICITY/ 2-AMINOPURINE, pharmacodynamics

2825. **Ohuchi K, Levine L:** Adriamycin stimulates canine kidney (MDCK) cells to deacylate cellular lipids and to produce prostaglandins. Prostaglandins Med 1(6):433–9, Dec 78
ANIMAL/ CELLS, CULTURED/ CYCLOHEXIMIDE, pharmacodynamics/ DOGS/ DOXORUBICIN, analogs & derivatives/ *DOXORUBICIN, pharmacodynamics/ INDOMETHACIN, pharmacodynamics/ KIDNEY, cytology/ KIDNEY, drug effects/ *KIDNEY, metabolism/ *LIPIDS, metabolism/ PROSTAGLANDINS E, biosynthesis/ PROSTAGLANDINS F, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2826. **Oishi T, Konishi T:** Effects of photoperiod and temperature on testicular and thyroid activity of the Japanese quail. Gen Comp Endocrinol 36(2):250–4, Oct 78
AGING/ ANIMAL/ BODY WEIGHT/ CLOACA, physiology/ DARKNESS/ LIGHT/ MALE/ *SEX MATURATION/ TEMPERATURE/ *TESTIS, physiology/ *THYROID GLAND, physiology/ THYROXINE, blood/ TIME FACTORS/ TRIIODOTHYRONINE, blood

2827. **Okada Y, Saito M:** Inhibitory action adenosine, 5-HT (serotonin) and GABA (gamma-aminobutyric acid) on the postsynaptic potential (PSP) or slices from olfactory cortex and superior colliculus in correlation to the level of cyclic AMP. Brain Res 160(2):368–71, 12 Jan 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ *ADENOSINE, pharmacodynamics/ ANIMAL/ EVOKED POTENTIALS, drug effects/ GUINEA

PIGS/ *GABA, pharmacodynamics/ *NEURAL INHIBITION, drug effects/ NEURAL TRANSMISSION, drug effects/ *OLFACTORY BULB, drug effects/ OLFACTORY BULB, physiology/ *SEROTONIN, pharmacodynamics/ *SUPERIOR COLLICULUS, drug effects/ SUPERIOR COLLICULUS, physiology/ *SYNAPSES, drug effects

2828. **Okamura K, Kuramoto M, Hamazaki Y, et al:** The effect of various hormones on the humoral immune response of murine lymphocytes in vitro. Tohoku J Exp Med 126(3):235–8, Nov 78
ANIMAL/ *ESTROGENS, pharmacodynamics/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ IN VITRO/ *LYMPHOCYTES, immunology/ MICE/ *PROGESTERONE, pharmacodynamics

2829. **Okano T, Mizuno K, Kobayashi T:** Identification and determination of 25-hydroxyvitamin D3 in the blood and liver of vitamin D-deficient rats irradiated with ultraviolet light. J Nutr Sci Vitaminol (Tokyo) 24(5):511–8, 1978
ANIMAL/ BIOLOGICAL TRANSPORT/ *BLOOD, radiation effects/ CALCIUM, metabolism/ HYDROXYCHOLECALCIFEROLS, blood/ HYDROXYCHOLECALCIFEROLS, metabolism/ *HYDROXYCHOLECALCIFEROLS, radiation effects/ *LIVER, radiation effects/ MALE/ PHOSPHORUS, blood/ RATS/ RICKETS, metabolism/ SKIN, radiation effects/ ULTRAVIOLET RAYS/ *VITAMIN D DEFICIENCY, metabolism

2830. **Okuyama A:** [Idiopathic varicocele. Report 2: Fertility after high ligation (author's transl)]
Nippon Hinyokika Gakkai Zasshi 69(10):1314–20, Oct 78 (Eng. Abstr.) **(Jpn)**
ADULT/ ENGLISH ABSTRACT/ *FERTILITY/ FSH, blood/ HUMAN/ LIGATION/ LH, blood/ LH-FSH RELEASING HORMONE, diagnostic use/ MALE/ PROGNOSIS/ *VARICOCELE, surgery

2831. **Olbricht T, Benker G, Tharandt L, et al:** Ergebnisse einer kritischen Uberprüfung der Diagnose 'inaktives' Hypophysenadenom. Verh Dtsch Ges Inn Med (84):1435–8, 1978 **(Ger)**
*ADENOMA, diagnosis/ ADULT/ AGED/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PITUITARY NEOPLASMS, diagnosis/ *PROLACTIN, secretion

2832. **Olgaard K, Borup K:** Aldosterone in myxoedema [letter]
Lancet 1(8109):218, 27 Jan 79
*ALDOSTERONE, blood/ COMPARATIVE STUDY/ CORTICOTROPIN, pharmacodynamics/ HUMAN/ HYPERTHYROIDISM, blood/ *MYXEDEMA, blood/ STIMULATION, CHEMICAL

2833. **Oliver J, Herbuté S, Baylé JD:** Etude du rôle joué par le complexe infundibulaire et ses afferences nerveuses dans le réflexe photosexuel chez la Caille.
C R Acad Sci [D] (Paris) 287(8):825–7, 9 Oct 78 (Eng. Abstr.)
AFFERENT PATHWAYS, physiology/ ANIMAL/ *COTURNIX, physiology/ ENGLISH ABSTRACT/ *HYPOTHALAMUS, physiology/ MALE/ *PHOTIC STIMULATION/ PHOTORECEPTORS, physiology/ *PREOPTIC AREA, physiology/ *QUAIL, physiology/ *REFLEX, physiology/ *TESTIS, growth & development/ VISUAL PATHWAYS, physiology

2834. **Oliver MF:** Metabolism of the normal and ischaemic myocardium. pp. 145–64.
In: Dickinson CJ, Marks J, ed. Developments in cardiovascular medicine. Lancaster, Eng., MTP Press, 1978. WG 100.3 D489 1978.
ACTION POTENTIALS/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL/ CORONARY CIRCULATION/ *CORONARY DISEASE, metabolism/ CORONARY DISEASE, physiopathology/ DOGS/ ELECTROPHYSIOLOGY/ ENERGY METABOLISM/ FATTY ACIDS, NONESTERIFIED, metabolism/ GLYCOLYSIS/ HUMAN/ LIPOPROTEINS, VLDL, metabolism/ MONOGRAPH/ *MYOCARDIUM, metabolism/ TRIGLYCERIDES, metabolism

2835. **Oliw E:** Acute unilateral ureteral occlusion increases plasma renin activity and contralateral urinary prostaglandin excretion in rabbits. Eur J Pharmacol 53(1):95–102, 15 Dec 78
ANIMAL/ BLOOD PRESSURE/ KIDNEY, physiology/ MALE/ PRESSURE/ PROSTAGLANDINS E, urine/ PROSTAGLANDINS F, urine/ *PROSTAGLANDINS, urine/ RABBITS/ *RENIN, blood/ TIME FACTORS/ *URETER, physiology

2836. **O'Loughlin S, Goldman GC, Provost TT:** Fate of pemphigus antibody following successful therapy. Preliminary evaluation of pemphigus antibody determinations to regulate therapy. Arch Dermatol 114(12):1769–72, Dec 78
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ *ANTIBODIES, analysis/ CASE REPORT/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ MALE/ MIDDLE AGE/ PEMPHIGUS, drug therapy/ *PEMPHIGUS, immunology/ REMISSION/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2837. **Olsen CE, Wahl SM, Wahl LM, et al:** Immunological defects in osteopetrotic mice. pp. 389–98.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.
ANIMAL/ CELLS, CULTURED/ DISEASE MODELS, ANIMAL/ MICE/ MICE, INBRED C57BL/ MICE, INBRED STRAINS/ MONOGRAPH/ OSTEOPETROSIS, familial & genetic/ *OSTEOPETROSIS, immunology/ OSTEOPETROSIS, metabolism/ SPECIES SPECIFICITY/ SPLEEN, immunology/ SPLEEN, metabolism/ THYMIDINE, metabolism

2838. **Olsen I, Jonsen J:** 90Sr placentas, embryos and foetuses of mice, evaluated by whole-body autoradiography.
Acta Pharmacol Toxicol (Copenh) 44(1):22–7, Jan 79
ANIMAL/ AUTORADIOGRAPHY/ BONE AND BONES, embryology/ BONE AND BONES, metabolism/ *EMBRYO, metabolism/ FEMALE/ *FETUS, metabolism/ GESTATIONAL AGE/ *MATERNAL-FETAL EXCHANGE/ MICE/ *PLACENTA, metabolism/ PREGNANCY/ *STRONTIUM RADIOISOTOPES, metabolism/ TIME FACTORS/ YOLK SAC, metabolism

2839. **Olsen KJ, Nielsen HE, Hansen HH:** Relation between severity of thyrotoxicosis and response to 131I therapy.
Acta Radiol Oncol Radiat Phys Biol 17(6):517–23, 1978
ADULT/ AGED/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, radiotherapy/ *IODINE RADIOISOTOPES, therapeutic use/ MALE/ MIDDLE AGE/ RADIOTHERAPY DOSAGE/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

2840. **Olson GA, Olson RD, Kastin AJ, et al:** Behavioral effects of D-Ala2-beta-endorphin in squirrel monkeys.
Pharmacol Biochem Behav 9(5):687–91, Nov 78
ANALGESIA/ ANIMAL/ *BEHAVIOR, ANIMAL, drug effects/ *ENDORPHINS, pharmacodynamics/ FEEDING BEHAVIOR, drug effects/ FEMALE/ MONKEYS/ MOTOR ACTIVITY, drug effects/ SOCIAL BEHAVIOR, drug effects/ SQUIRREL MONKEYS/ STARTLE REACTION, drug effects/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VOCALIZATION, ANIMAL, drug effects

2841. **Olson JA:** Symposium on vitamin and carrier functions of polyprenoids. Concluding remarks. World Rev Nutr Diet 31:232–42, 1978
ANIMAL/ HUMAN/ RETINOL BINDING PROTEINS/ VITAMIN A, metabolism/ VITAMIN D, metabolism/ VITAMIN E, metabolism/ VITAMIN K, metabolism/ *VITAMINS, metabolism

2842. **(O'Malley BW),** The annual awards of the Association of American Medical Colleges. The Borden Award. Dr. Bert W. O'Malley. J Med Educ 54(1):27–8, Jan 79
*AWARDS AND PRIZES/ CURRENT BIOG-OBIT/ *ENDOCRINOLOGY/ ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ ORGANIZATIONS/ SCHOOLS, MEDICAL/ UNITED STATES

2843. **Omel'chenko LI, Rodionov VP, Skrypnychenko LS:** Psevdo-vitamin-D-defitsytnyĭ rakhit u dytyny z hipoparatyreozom. Pediatr Akush Ginekol (6):28–30, Nov-Dec 78 **(Ukr)**
CASE REPORT/ HUMAN/

*HYPOPARATHYROIDISM, pathology/ INFANT/ MALE/ *RICKETS, pathology/ *VITAMIN D DEFICIENCY, pathology

2844. **Onoyama K, Omae T, Inagami T:** Tissue edema and arterial lesions produced by pure submaxillary gland renin of mouse.
Jpn Heart J 19(4):522–30, Jul 78
ANIMAL/ *ARTERIES, drug effects/ ARTERIES, pathology/ BLOOD PRESSURE, drug effects/ CAPILLARY PERMEABILITY, drug effects/ *EDEMA, chemically induced/ HEMATOCRIT/ MICE/ NECROSIS/ PANCREAS, blood supply/ PANCREAS, drug effects/ PANCREATIC DISEASES, chemically induced/ PLEURAL EFFUSION, chemically induced/ *RENIN/ RENIN, pharmacodynamics/ RENIN, physiology/ *SUBMANDIBULAR GLAND, enzymology

2845. **Opitz JM, DeMars RI, Inhorn SL, et al:** Follow-up on a human X-autosome translocation first studied in 1963 and 1964.
Birth Defects 14(6C):365–75, 1978
ADULT/ CASE REPORT/ CHROMOSOMES, HUMAN, ultrastructure/ *CHROMOSOMES, HUMAN, 19–20/ DNA REPLICATION/ FEMALE/ HUMAN/ KARYOTYPING/ MOSAICISM/ PHENOTYPE/ *SEX CHROMOSOMES/ *TRANSLOCATION (GENETICS)/ TRITIUM/ *TURNER'S SYNDROME, familial & genetic/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *X CHROMOSOME

2846. **Ordas J, Hernández-Alcántara A:** El síndrome de ovarios resistentes a las gonadotropinas.
Acta Obstet Ginecol Hisp Lusit 26(8):497–506, Nov 78 **(Spa)**
ADOLESCENCE/ ADULT/ *AMENORRHEA, drug therapy/ FEMALE/ HUMAN/ *MENOTROPINS, therapeutic use/ *OVARIAN DISEASES, drug therapy/ OVARY, drug effects/ *SOMATOTROPIN RELEASING HORMONE, therapeutic use/ STIMULATION, CHEMICAL/ SYNDROME

2847. **Ordyniec J, Czerski P, Sioch R:** Przypadek guza jajnika u 10-letniego dziecka z dysgenezją gonad ilustrujący potrzebę oceny rozwoju płciowego w toku rozpoznania.
Ginekol Pol 49(9):801–3, Sep 78 (Eng. Abstr.) **(Pol)**
CASE REPORT/ CHILD/ *DYSGERMINOMA, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ HERMAPHRODITISM, diagnosis/ HUMAN/ *OVARIAN NEOPLASMS, diagnosis/ OVARY, abnormalities/ SEX DETERMINATION/ *TURNER'S SYNDROME, diagnosis/ UTERUS, abnormalities

2848. **Orestenko IuN, Kovalev NM:** Impadans v gipotalamuse i gippokampe pri zakrytoĭ cherepno-mozgovoĭ travme i ego reaktivnye izmeneniia pri vysotnoĭ gipoksii.
Patol Fiziol Eksp Ter (5):46–52, Sep–Oct 78 (Eng. Abstr.) **(Rus)**
*ALTITUDE/ ANIMAL/ *ANOXIA, physiopathology/ *BRAIN INJURIES, ACUTE, physiopathology/ COMPARATIVE STUDY/ *ELECTROPHYSIOLOGY/ ENGLISH ABSTRACT/ *HIPPOCAMPUS, physiopathology/ *HYPOTHALAMUS, physiopathology/ *HYPOTHALAMUS, ANTERIOR, physiopathology/ RATS

2849. **Orlandini GE, Pacini P, Paulsen B:** Osservazioni al microscopio elettronico a scansione sull'epitelio tubarico umano.
Boll Soc Ital Biol Sper 54(1):61–5, 15 Jan 78 **(Ita)**
ADULT/ AGE FACTORS/ AGED/ EPITHELIUM, ultrastructure/ *FALLOPIAN TUBES, ultrastructure/ FEMALE/ HUMAN/ MENOPAUSE/ MENSTRUATION/ MICROSCOPY, ELECTRON, SCANNING/ MIDDLE AGE/ MUCOUS MEMBRANE, ultrastructure/ *OVARY, physiology/ PREGNANCY/ PREGNANCY, TUBAL, pathology

2850. **Orloff J, Zusman R:** Role of prostaglandin E (PGE) in the modulation of the action of vasopressin on water flow in the urinary bladder of the toad and mammalian kidney.
J Membr Biol 40 Spec No:297–304, 1978 (25 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT/ BLADDER, enzymology/ *BLADDER, metabolism/ CELL MEMBRANE PERMEABILITY/ DOGS/ EPITHELIUM, enzymology/ FROGS/ HUMAN/ KIDNEY, enzymology/ *KIDNEY, metabolism/ PROSTAGLANDINS E, biosynthesis/ *PROSTAGLANDINS E, physiology/ RATS/ REVIEW/ *VASOPRESSINS, physiology/ *WATER, metabolism

2851. **Orlov SN, Pokudin NI, Postnov IuV:** Vliianie gormonov kory nadpochechnika na vnutrikletochnoe raspredelenie kal'tsiia v zhirovoĭ tkani kak vozmozhnyi faktor reguliatsii ee chuvstvitel'nosti k adrenalinu i AKTG.
Dokl Akad Nauk SSSR 244(3):771–4, 1979 **(Rus)**
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, metabolism/ *ADRENAL CORTEX HORMONES, physiology/ ANIMAL/ CAFFEINE, administration & dosage/ *CALCIUM, metabolism/ CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, pharmacodynamics/ *EPINEPHRINE, pharmacodynamics/ LIPIDS, metabolism/ MALE/ RATS

2852. **Oron Y, Kellogg J, Larner J:** Alpha adrenergic and cholinergic-muscarinic regulation of adenosine cyclic 3',5'-monophosphate levels in the rat parotid.
Mol Pharmacol 14(6):1018–30, Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL/ CALCIUM, pharmacodynamics/ CARBACHOL, pharmacodynamics/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ MALE/ METHOXAMINE, pharmacodynamics/ PARASYMPATHOLYTICS, pharmacodynamics/ PAROTID GLAND, drug effects/ *PAROTID GLAND, metabolism/ RATS/ *RECEPTORS, ADRENERGIC, physiology/ *RECEPTORS, ADRENERGIC, ALPHA, physiology/ *RECEPTORS, CHOLINERGIC, physiology/ *RECEPTORS, MUSCARINIC, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 3',5'-CYCLIC AMP PHOSPHODIESTERASE, antagonists & inhibitors

2853. **Orr JW Jr, Huddleston JF, Knox GE, et al:** False negative oxytocin challenge test associated with abdominal pregnancy.
Am J Obstet Gynecol 133(1):108–10, 1 Jan 79
ADULT/ CASE REPORT/ FALSE NEGATIVE REACTIONS/ FEMALE/ FETAL DEATH, diagnosis/ FETAL HEART, physiopathology/ FETUS, physiology/ HEART RATE/ HUMAN/ *OXYTOCIN, pharmacodynamics/ PREGNANCY/ *PREGNANCY, ABDOMINAL, physiopathology/ PRENATAL DIAGNOSIS/ *UTERINE CONTRACTION, drug effects

2854. **Orr WC, Imes NK, Martin RJ:** Porgesterone therapy in obese patients with sleep apnea.
Arch Intern Med 139(1):109–11, Jan 79
ADULT/ AIRWAY OBSTRUCTION, drug therapy/ *APNEA, drug therapy/ BLOOD GAS ANALYSIS/ HUMAN/ *HYPERSOMNIA, drug therapy/ MALE/ MIDDLE AGE/ *OBESITY, complications/ *PROGESTERONE, therapeutic use/ *SLEEP DISORDERS, drug therapy/ SLEEP, REM

2855. **Ortmann R, Nutto D, Jackisch R:** Phosphorylated derivatives of phloretin inhibit cyclic AMP accumulation in neuronal and glial tumor cells in culture.
Naunyn Schmiedebergs Arch Pharmacol 305(3):233–40, 27 Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ CALCIUM, physiology/ CELLS, CULTURED/ HUMAN/ HYDROGEN-ION CONCENTRATION/ KINETICS/ NEUROGLIA, drug effects/ *NEUROGLIA, metabolism/ NEURONS, drug effects/ *NEURONS, metabolism/ *PHLORETIN, analogs & derivatives/ PHLORETIN, pharmacodynamics

2856. **Osamura RY, Watanabe K:** An immunohistochemical study of epithelial cells in the posterior lobe and pars tuberalis of the human adult pituitary gland.
Cell Tissue Res 194(3):513–24, 12 Dec 78
ADULT/ AGED/ CORTICOTROPIN, metabolism/ FEMALE/ FSH, metabolism/ HUMAN/ IMMUNOENZYME TECHNICS/ LH, metabolism/ MALE/ MIDDLE AGE/ MSH, metabolism/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, POSTERIOR, cytology/ PROLACTIN, metabolism/ THYROTROPIN, metabolism

2857. **Osborne AH, Buchanan JD, Marks A:** Extranodal presentation of malignant lymphoma lymphobiastic in the testis of a child.
J R Nav Med Serv 64(3):177–82, Winter 78

CASE REPORT/ CHILD/ HUMAN/ LYMPHOSARCOMA, pathology/ *LYMPHOSARCOMA, therapy/ MALE/ TESTICULAR NEOPLASMS, pathology/ *TESTICULAR NEOPLASMS, therapy

2858. **Osler M:** Einleitung von Geburten durch Prostaglandin-E2-Tabletten. Gynaekol Rundsch 18 Suppl 1:28-39, 1978 **(Ger)**
ADMINISTRATION, ORAL/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ FEMALE/ GASTROINTESTINAL DISEASES, chemically induced/ GESTATIONAL AGE/ HUMAN/ LABOR COMPLICATIONS/ *LABOR, INDUCED/ *OXYTOCIN, administration & dosage/ PARITY/ PREGNANCY/ *PROSTAGLANDINS E, administration & dosage/ PROSTAGLANDINS E, adverse effects/ TABLETS/ TIME FACTORS

2859. **Ostrowski MC, Kistler MK, Kistler WS:** Purification and cell-free synthesis of a major protein from rat seminal vesicle secretion. A potential marker for androgen action. J Biol Chem 254(2):383-90, 25 Jan 79
AMINO ACIDS, analysis/ ANDROGENS, physiology/ ANIMAL/ ANTIBODIES/ MALE/ PEPTIDE FRAGMENTS, analysis/ PLANTS, metabolism/ *PROTEINS, biosynthesis/ PROTEINS, isolation & purification/ RATS/ RNA, MESSENGER, metabolism/ *SEMINAL VESICLES, metabolism/ TRANSLATION, GENETIC/ UNITED STATES GOV'T SUPPORTED, P.H.S./ WHEAT, metabolism

2860. **Otero RB, Goodman NL, Parker JC Jr:** Predisposing factors in systemic and central nervous system candidiasis: histopathological and cultural observations in the rat. Mycopathologia 64(2):113-20, 16 Oct 78
ANIMAL/ BRAIN, microbiology/ BRAIN, pathology/ CANDIDA ALBICANS, isolation & purification/ CORTISONE, administration & dosage/ DISEASE MODELS, ANIMAL/ KANAMYCIN, administration & dosage/ MONILIASIS, drug therapy/ MONILIASIS, microbiology/ *MONILIASIS, pathology/ ORGAN SPECIFICITY/ RATS/ TETRACYCLINE, administration & dosage

2861. **Otieno S:** Generation of a free alpha-amino group by Raney nickel after 2-nitro-5-thiocyanobenzoic acid cleavage at cysteine residues: application to automated sequencing. Biochemistry 17(25):5468-74, 12 Dec 78
*AMINO ACID SEQUENCE/ AUTOANALYSIS/ *CYSTEINE/ DITHIONITROBENZOIC ACID/ GLOBIN/ GLYCEROPHOSPHATES/ HEXOKINASE/ *NICKEL/ NITROBENZOATES/ PEPTIDE FRAGMENTS, isolation & purification/ PHOSPHOTRANSFERASES, ATP/ SACCHAROMYCES CEREVISIAE, enzymology/ SULFHYDRYL REAGENTS/ *THIOCYANATES/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2862. **Ott J:** Human gene mapping by postreduction and recombination frequencies under complete interference. Clin Genet 15(1):11-6, Jan 79
CENTROMERE, ultrastructure/ *CHROMOSOME MAPPING/ COMPARATIVE STUDY/ HUMAN/ LINKAGE (GENETICS)/ METHODS/ OVARIAN NEOPLASMS, familial & genetic/ *RECOMBINATION, GENETIC/ TERATOID TUMOR, familial & genetic/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2863. **Otto-Buczkowska E, Kokot F:** Verhalten der Reninaktivität im Blutplasma bei diabetischen Kindern. Monatsschr Kinderheilkd 127(2):91-4, Feb 79 (Eng. Abstr.) **(Ger)**
ADOLESCENCE/ CHILD/ *CREATININE/ CREATININE, blood/ *DIABETES MELLITUS, JUVENILE, blood/ DIABETES MELLITUS, JUVENILE, complications/ ENGLISH ABSTRACT/ FEMALE/ FUROSEMIDE, diagnostic use/ HUMAN/ HYPERTENSION, complications/ MALE/ POSTURE/ PROTEINURIA, complications/ *RENIN, blood

2864. **Ouředník A, Humhal J, Jindra A:** Plazmatický kortizol u astmatiku léčených aerosolovými inhalacemi dexametazon-21-izonikotinátu. příspěvek k diskusi o racionálnosti inhalační terapie. Cas Lek Cesk 117(44-45):1405-8, 1978 (Eng. Abstr.) **(Cze)**
AEROSOLS/ *ASTHMA, blood/ ASTHMA, drug therapy/ *DEXAMETHASONE ISONICOTINATE, therapeutic use/ *DEXAMETHASONE, analogs & derivatives/ ENGLISH ABSTRACT/ HUMAN/ *HYDROCORTISONE, blood/ RESPIRATORY THERAPY

2865. **Overpeck JG, Colson SH, Hohmann JR, et al:** Concentrations of circulating steroids in normal prepubertal and adult male and female humans, chimpanzees, rhesus monkeys, rats, mice, and hamsters: a literature survey. J Toxicol Environ Health 4(5-6):785-803, Sep-Nov 78 (162 ref.)
ADULT/ AGING/ ANIMAL/ CHIMPANZEES/ FEMALE/ HAMSTERS/ HUMAN/ MALE/ MICE/ MONKEYS/ RATS/ REVIEW/ RHESUS MONKEYS/ SEX FACTORS/ SPECIES SPECIFICITY/ *STEROIDS, blood

2866. **Owens DW, Ralph CL:** The pineal-paraphyseal complex of sea turtles. I. Light microscopic description. J Morphol 158(2):169-79, Nov 78
ANIMAL/ CELL MEMBRANE, ultrastructure/ CELL NUCLEUS, ultrastructure/ NEUROGLIA, cytology/ PHOTORECEPTORS, cytology/ *PINEAL BODY, cytology/ *TELENCEPHALON, cytology/ *TURTLES, anatomy & histology/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2867. **Owens JR, Haley BE:** Use of photoaffinity nucleotide analogs to determine the mechanism of ATP regulation of a membrane-bound, cAMP-activated protein kinase. J Supramol Struct 9(1):57-68, 1978
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, analogs & derivatives/ *ADENOSINE TRIPHOSPHATE, metabolism/ AFFINITY LABELS/ ALLOSTERIC REGULATION/ BINDING SITES/ ENZYME ACTIVATION/ *ERYTHROCYTE MEMBRANE, enzymology/ *ERYTHROCYTES, enzymology/ HUMAN/ LIGHT/ MACROMOLECULAR SYSTEMS/ MODELS, BIOLOGICAL/ *PROTEIN KINASE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2868. **Oxenkrug GF, Mikhalenko IN, Sivers JS:** Sex differences in ABO blood types distribution in manic-depressive patients and in the rate of 5-HT uptake by blood platelets in healthy donors of different blood groups. Act Nerv Super (Praha) 20(4):256-7, 1978
*ABO BLOOD-GROUP SYSTEM/ *BLOOD PLATELETS, metabolism/ FEMALE/ HUMAN/ MALE/ *PSYCHOSES, MANIC-DEPRESSIVE, blood/ *SEROTONIN, blood/ *SEX FACTORS/ USSR

2869. **Oyamada H:** [Apparatus for decontamination of the urine after radioiodine treatment of thyroid cancer (author's transl)] Radioisotopes 27(10):592-4, Oct 78 **(Jpn)**
HUMAN/ IODINE RADIOISOTOPES, therapeutic use/ *IODINE RADIOISOTOPES, urine/ METHODS/ *RADIOACTIVE WASTE, prevention & control/ THYROID NEOPLASMS, radiotherapy

2870. **Ozaki N, Kohli JD, Goldberg LI, et al:** Vascular smooth muscle activity of 7-oxa-13-prostynoic acid. Blood Vessels 16(1):52-7, 1979
ANIMAL/ AORTA, drug effects/ *ARTERIES, drug effects/ *FATTY ACIDS, UNSATURATED, pharmacodynamics/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ NOREPINEPHRINE, pharmacodynamics/ *OXAPROSTYNOIC ACIDS, pharmacodynamics/ PROSTAGLANDINS E, SYNTHETIC, antagonists & inhibitors/ *PROSTAGLANDINS E, SYNTHETIC, pharmacodynamics/ PROSTAGLANDINS F, SYNTHETIC, antagonists & inhibitors/ *PROSTAGLANDINS F, SYNTHETIC, pharmacodynamics/ RABBITS/ RECEPTORS, PROSTAGLANDIN, drug effects/ RENAL ARTERY, drug effects/ UNITED STATES GOV'T SUPPORTED

2871. **Ozawa H, Yamamoto T, Yamada M, et al:** Frozen ultrathin-sections for x-ray microanalysis of rat tooth germs. J Dent Res 58 Spec No 8:1016-8, Mar 79
*AMELOBLASTS, ultrastructure/ AMELOGENESIS/ ANIMAL/ *CALCIUM, metabolism/ *FROZEN SECTIONS/ ION CHANNELS, ultrastructure/ *MICROTOMY/ MICROTOMY, methods/ ORGANOIDS, ultrastructure/ RATS/ *TOOTH GERM, ultrastructure/ X-RAYS

2872. **Ozuch B:** Alfa-fetoproteina. Ginekol Pol 49(9):805-12, Sep 78 (54 ref.) (Eng. Abstr.) **(Pol)**
ABNORMALITIES, blood/ ABNORMALITIES, diagnosis/ ALPHA FETOPROTEINS, analysis/ *ALPHA FETOPROTEINS, physiology/ AMNIOTIC FLUID, analysis/ CHEMISTRY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LIVER DISEASES, blood/ LIVER DISEASES, diagnosis/ OVARIAN NEOPLASMS, blood/ OVARIAN NEOPLASMS, diagnosis/ PREGNANCY COMPLICATIONS, blood/ PREGNANCY COMPLICATIONS, diagnosis/ PREGNANCY/ PRENATAL DIAGNOSIS/ REVIEW

P

2873. **Paavolainen P, Karaharju E, Slätis P, et al:** Effect of rigid plate fixation on structure and mineral content of cortical bone. Clin Orthop (136):287-93, Oct 78
ANIMAL/ *BONE AND BONES, anatomy & histology/ BONE AND BONES, metabolism/ BONE DEVELOPMENT/ *BONE PLATES/ BONE RESORPTION/ CALCIUM, metabolism/ COLLAGEN, metabolism/ EPIPHYSES, metabolism/ FEMUR, metabolism/ FRACTURE FIXATION/ HYDROXYPROLINE, metabolism/ *MINERALS, metabolism/ RABBITS

2874. **Paavolainen P:** Studies on mechanical strength of bone. I. Torsional strength of normal rabbit tibio-fibular bone. Acta Orthop Scand 49(6):497-505, Dec 78
ANIMAL/ *BIOMECHANICS/ BODY WEIGHT/ BONE AND BONES, analysis/ *BONE AND BONES, physiology/ EQUIPMENT AND SUPPLIES/ FEMALE/ FIBULA, physiology/ FRACTURES, etiology/ MALE/ METHODS/ RABBITS/ ROTATION/ STRESS, MECHANICAL/ TIBIA, physiology

2875. **Paavolainen P, Slätis P, Ahonen J, et al:** Changes in calcium and hydroxyproline content of cortical bone after compression and neutral plate fixation. Acta Orthop Scand 49(6):492-6, Dec 78
ANIMAL/ *BONE AND BONES, metabolism/ *BONE PLATES/ *CALCIUM, metabolism/ FIBULA, metabolism/ *FRACTURE FIXATION/ *FRACTURES, metabolism/ *HYDROXYPROLINE, metabolism/ RABBITS/ TIBIA, metabolism

2876. **Paavolainen P, Slätis P, Karaharju E, et al:** Studies on mechanical strength of bone. II. Torsional strength of cortial bone after rigid plate fixation with and without compression. Acta Orthop Scand 49(6):506-11, Dec 78
ANIMAL/ *BIOMECHANICS/ *BONE AND BONES, physiology/ BONE PLATES/ EQUIPMENT AND SUPPLIES/ FIBULA, physiology/ *FRACTURE FIXATION/ METHODS/ RABBITS/ ROTATION/ STRESS, MECHANICAL/ TIBIA, physiology

2877. **Pachman A:** Wpływ przecięcia nasieniowodów na czynność plemnikotwórczą i hormonalną jąder. Wiad Lek 31(23):1689-91, 1 Dec 78 **(Pol)**
ADULT/ ANIMAL/ HUMAN/ LEYDIG CELLS, secretion/ LIGATION/ MALE/ MIDDLE AGE/ RATS/ SERTOLI CELLS, secretion/ SPERM MOTILITY/ *SPERMATOGENESIS/ *TESTOSTERONE, secretion/ *VAS DEFERENS, surgery

2878. **Pack AR:** A histometric evaluation of alveolar trabecular bone density in the jaws of protein-deficient rats. Arch Oral Biol 23(10):871-4, 1978
*ALVEOLAR PROCESS, pathology/ ANIMAL/ *JAW, pathology/ MALE/ ORGAN WEIGHT/ OSTEOPOROSIS, etiology/ *OSTEOPOROSIS, pathology/ PROTEIN DEFICIENCY, complications/ *PROTEIN DEFICIENCY, pathology/ RATS/ TIME FACTORS

2879. **Pagnan A, Pessina AC, Thiene G, et al:** The natural history of hypertension in turkeys. Clin Sci Mol Med 55 Suppl 4:213s-215s, Dec 78
AGING/ ALDOSTERONE, blood/ ANIMAL/ BLOOD PRESSURE/ CREATININE, blood/ HYPERTENSION, physiopathology/ *HYPERTENSION, veterinary/ LIPIDS, blood/ POTASSIUM, blood/ RENIN, blood/ SODIUM, blood/ *TURKEYS, physiology

2880. **Paigen K, Labarca C, Watson G:** A regulatory locus for mouse beta-glucuronidase induction, Gur, controls messenger RNA activity. Science 203(4380):554-6, Feb 79
ANIMAL/ ENZYME INDUCTION, drug effects/ *GENES, REGULATOR/ GENES, STRUCTURAL/ *GLUCURONIDASE, genetics/ HEAT/ *KIDNEY, enzymology/ LINKAGE (GENETICS)/ MICE/ OOCYTES, metabolism/ *RNA, MESSENGER, genetics/ TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ XENOPUS

2881. **Pain RW, Phillips PJ:** Screening for thyrometabolic disorders. Med J Aust 1(1):33-6, 14 Jan 78
HUMAN/ *THYROID DISEASES, diagnosis/ THYROID FUNCTION TESTS/ *THYROXINE, blood

2882. **Paisey R, Elkeles RS, Hambley J, et al:** Plasma cyclic AMP response to glucagon as an index of tissue responsiveness to thyroid hormone. Diabete Metab 4(4):267-70, Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ ADULT/ AGED/ *GLUCAGON, diagnostic use/ HUMAN/ *HYPERTHYROIDISM, blood/ *HYPOTHYROIDISM, blood/ KINETICS/ MIDDLE AGE/ PROPRANOLOL, diagnostic use/ THYROID GLAND, physiopathology

2883. **Pajor WJ:** Do cells of the ammocoetes ductus hypobranchialis contribute to thyroid structure in metamorphosing lampreys? Folia Biol (Krakow) 26(4):305-9, 1978
ANIMAL/ *CYCLOSTOMES, embryology/ CYTOCHROME OXIDASE, metabolism/ EPITHELIUM, embryology/ *LAMPREYS, embryology/ METAMORPHOSIS, BIOLOGICAL/ *THYROID GLAND, embryology/ THYROID GLAND, enzymology

2884. **Palacios JM, Garbarg M, Barbin G, et al:** Pharmacological characterization of histamine receptors mediating the stimulation of cyclic AMP accumulation in slices from guinea-pig hippocampus. Mol Pharmacol 14(6):971-82, Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ GUINEA PIGS/ HIPPOCAMPUS, drug effects/ *HIPPOCAMPUS, metabolism/ HISTAMINE H1 RECEPTOR BLOCKADERS, pharmacodynamics/ HISTAMINE H2 RECEPTOR BLOCKADERS, pharmacodynamics/ HISTAMINE, pharmacodynamics/ IN VITRO/ MALE/ RECEPTORS, HISTAMINE H1, drug effects/ RECEPTORS, HISTAMINE H2, drug effects/ *RECEPTORS, HISTAMINE, drug effects/ RECEPTORS, HISTAMINE, physiology

2885. **Palánkai G, Sávay G, Poberai M:** Calcium-Freisetzung in der neuromuskulären Junktion auf die Wirkung von Acetylcholin. Acta Histochem (Jena) 62(2):170-5, 1978 (Eng. Abstr.) **(Ger)**
*ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ *CALCIUM, metabolism/ COMPARATIVE STUDY/ *DIAPHRAGM, drug effects/ DIAPHRAGM, innervation/ DIAPHRAGM, metabolism/ ENGLISH ABSTRACT/ HISTOCYTOCHEMISTRY, methods/ *NEUROMUSCULAR JUNCTION, drug effects/ NEUROMUSCULAR JUNCTION, metabolism/ RATS/ SUCCINYLCHOLINE, pharmacodynamics

2886. **Palatsi R, Oikarinen A:** Hormonal analysis and delayed hypersensitivity reactions in identical twins with severe acne. Acta Derm Venereol (Stockh) 59(2):157-60, 1979
*ACNE, familial & genetic/ ACNE, immunology/ ACNE, pathology/ ADOLESCENCE/ ADULT/ CASE REPORT/ DINITROCHLOROBENZENE, diagnostic use/ *DISEASES IN TWINS/ HUMAN/ *HYPERSENSITIVITY, DELAYED/ MALE/ *RECEPTORS, ANDROGEN/ RECEPTORS, ANDROGEN, genetics/ RECEPTORS, ANDROGEN, metabolism/ *RECEPTORS, STEROID/ RECEPTORS, STEROID, genetics/ SKIN, metabolism/ SKIN, pathology/ *TESTOSTERONE, blood/ TUBERCULIN TEST/ TWINS, MONOZYGOTIC

2887. **Palazzoadriano M, Albano V, Bellanca L, et al:** Modifications induced in the renin-angiotensin-aldo-sterone system of rats by alpha-blocking drugs. Pharmacol Res Commun 10(10):925-37, Nov 78
*ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ *ALDOSTERONE, blood/ *ANGIOTENSIN II,

metabolism/ ANIMAL/ BLOOD PRESSURE, drug effects/ RATS/ *RENIN, blood

2888. **Pallister PD, Opitz JM:** The KOP translocation. Birth Defects 14(6C):133–46, 1978
ADULT/ BLOOD GROUPS, genetics/ CASE REPORT/ CHROMOSOMES, HUMAN, ultrastructure/ *CHROMOSOMES, HUMAN, 13–15/ DERMATOGLYPHICS/ HUMAN/ KARYOTYPING/ *KLINEFELTER'S SYNDROME, familial & genetic/ MALE/ *MENTAL RETARDATION, familial & genetic/ PEDIGREE/ POLYMORPHISM (GENETICS)/ *SEX CHROMOSOMES/ SYNDROME/ *TRANSLOCATION (GENETICS)/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *X CHROMOSOME

2889. **Pallotti S, Paolucci D, Santoro S, et al:** Il metabolismo dell'ormone somatotropo nelle gravi epatopatie. Influenza della somministrazione terapeutica di un estratto epatico. Minerva Med 69(55):3779–83, 14 Nov 78 (Eng. Abstr.) **(Ita)**
ENGLISH ABSTRACT/ HUMAN/ LIVER CIRRHOSIS, ALCOHOLIC, drug therapy/ LIVER CIRRHOSIS, ALCOHOLIC, metabolism/ LIVER DISEASES, drug therapy/ *LIVER DISEASES, metabolism/ *LIVER EXTRACTS, therapeutic use/ *SOMATOTROPIN, metabolism

2890. **Palmblad J, Akerstedt T, Fröberg J, et al:** Thyroid and adrenomedullary reactions during sleep deprivation. Acta Endocrinol (Copenh) 90(2):233–9, Feb 79
*ADRENAL MEDULLA, physiology/ ADULT/ *EPINEPHRINE, urine/ HUMAN/ MALE/ *NOREPINEPHRINE, urine/ *SLEEP DEPRIVATION/ *THYROID GLAND, physiology/ *THYROID HORMONES, blood/ THYROXINE, blood/ TIME FACTORS/ TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, REVERSE, blood

2891. **Palmer MF, Rolls BA:** Calcium uptake in the intestinal tract of germ-free and conventional chicks [proceedings] Proc Nutr Soc 37(3):113A, Dec 78
ANIMAL/ BONE AND BONES, metabolism/ *CALCIUM, metabolism/ CHICKENS/ COMPARATIVE STUDY/ DUODENUM, metabolism/ *GERM-FREE LIFE/ ILEUM, metabolism/ *INTESTINAL ABSORPTION/ *INTESTINE, SMALL, metabolism

2892. **Palmtag H, Dreikorn K, Röhl L:** Urodynamic studies in prune belly syndrome. A case report. Scand J Urol Nephrol 13(1):11–6, 1979
*ABDOMINAL WALL, abnormalities/ ABNORMALITIES, MULTIPLE, physiopathology/ ADOLESCENCE/ BLADDER, physiopathology/ CASE REPORT/ *CRYPTORCHISM/ CRYPTORCHISM, physiopathology/ HUMAN/ KIDNEY FAILURE, CHRONIC, physiopathology/ KIDNEY FAILURE, CHRONIC, surgery/ KIDNEY, transplantation/ MALE/ SYNDROME/ TRANSPLANTATION, HOMOLOGOUS/ URETHRA, abnormalities/ URETHRA, physiopathology/ URETHRA, surgery/ URINATION/ *URODYNAMICS/ *UROGENITAL SYSTEM, abnormalities/ UROGENITAL SYSTEM, physiopathology/ UROGRAPHY

2893. **Pamfamirov IuK, Zaĭtseva VA:** Metod Pnevmopel'veografii v diagnostike sindroma Shteĭna–Leventalia. Vestn Rentgenol Radiol (6):52–5, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
ADULT/ CASE REPORT/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ PALPATION/ PELVIS, radiography/ PNEUMORADIOGRAPHY, methods/ STEIN-LEVENTHAL SYNDROME, diagnosis/ *STEIN-LEVENTHAL SYNDROME, radiography

2894. **Pamnani MB, Clough DL, Haddy FJ:** Altered activity of the sodium–potassium pump in arteries of rats with steroid hypertension. Clin Sci Mol Med 55 Suppl 4:41s–43s, Dec 78
ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM, metabolism/ ANIMAL/ *ARTERIES, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ DESOXYCORTICOSTERONE/ HYPERTENSION, chemically induced/ *HYPERTENSION, metabolism/ MALE/ OUABAIN, pharmacodynamics/ *POTASSIUM, metabolism/ RATS/ RUBIDIUM, metabolism/ *SODIUM, metabolism

2895. **Panaretto BA, Tunks DA, Munro S:** Depilatory effects of certain chemicals during the first hair growth cycle in sucking mice. Lab Anim 12(4):185–92, Oct 78
ANIMAL/ COMPARATIVE STUDY/ CYCLOPHOSPHAMIDE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ DRUG SYNERGISM/ FLUMETHASONE, pharmacodynamics/ *HAIR, drug effects/ HAIR, growth & development/ HYDROCORTISONE, pharmacodynamics/ MALE/ MICE/ MIMOSINE, analogs & derivatives/ MIMOSINE, pharmacodynamics

2896. **Panchenko VM, Salakhidinov Z, Khaĭkina MB:** Produkty degradatsii fibrinogena, rastvorimyĭ fibrin, antitrombin III u bol'nykh s toksicheskim zobom. Probl Endokrinol (Mosk) 25(1):11–5, Jan–Feb 79 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ ANTITHROMBIN III, analysis/ *BLOOD COAGULATION/ ENGLISH ABSTRACT/ FEMALE/ FIBRIN FIBRINOGEN DEGRADATION PRODUCTS, analysis/ FIBRIN, analysis/ FIBRINOGEN, analysis/ FIBRINOLYSIS/ *GOITER, EXOPHTHALMIC, blood/ HUMAN/ MALE/ MIDDLE AGE

2897. **Pang CC, Wilcox WC, McNeill JR:** Hypophysectomy and saralasin on mesenteric vasoconstrictor response to vasopressin. Am J Physiol 236(2):H200–5, Feb 79
*ANGIOTENSIN II, analogs & derivatives/ ANIMAL/ CATS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HYPOPHYSECTOMY/ MALE/ MESENTERIC ARTERIES, physiology/ *PITUITARY GLAND, physiology/ *SARALASIN, pharmacodynamics/ *VASCULAR RESISTANCE, drug effects/ VASOPRESSINS, antagonists & inhibitors/ *VASOPRESSINS, pharmacodynamics

2898. **Pang PK, Balbontin F:** Effects of sex steroids on plasma calcium levels in male killifish, Fundulus heteroclitus. Gen Comp Endocrinol 36(2):317–20, Oct 78
ANIMAL/ BODY WATER, metabolism/ *CALCIUM, blood/ *ESTRADIOL, pharmacodynamics/ *FISHES, blood/ *KILLIFISH, blood/ LIVER, anatomy & histology/ MALE/ MUSCLES, drug effects/ MUSCLES, metabolism/ ORGAN WEIGHT/ TESTIS, anatomy & histology/ *TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED

2899. **Pang PK, Schreibman MP, Balbontin F, et al:** Prolactin and pituitary control of calcium regulation in the killifish, Fundulus heteroclitus. Gen Comp Endocrinol 36(2):306–16, Oct 78
ANIMAL/ *CALCIUM, blood/ *FISHES, physiology/ HYPOPHYSECTOMY/ *KILLIFISH, physiology/ MALE/ *PITUITARY GLAND, physiology/ POTASSIUM, blood/ *PROLACTIN, physiology/ SEAWATER/ SODIUM, blood/ TISSUE EXTRACTS/ UNITED STATES GOV'T SUPPORTED

2900. **Pankratz E, Boyes DA, White GW, et al:** Granulosa cell tumors. A clinical review of 61 cases. Obstet Gynecol 52(6):718–23, Dec 78
ADOLESCENCE/ ADULT/ AGED/ CASTRATION/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GRANULOSA CELL TUMOR, mortality/ *GRANULOSA CELL TUMOR, radiotherapy/ GRANULOSA CELL TUMOR, surgery/ HUMAN/ HYSTERECTOMY/ INFANT/ INFANT, NEWBORN/ LYMPHATIC METASTASIS/ METHODS/ MIDDLE AGE/ OVARIAN NEOPLASMS, mortality/ *OVARIAN NEOPLASMS, radiotherapy/ OVARIAN NEOPLASMS, surgery/ RECURRENCE

2901. **Pannuti F:** Surgical adjuvant hormone therapy in breast cancer. Arch Geschwulstforsch 48(7):680–2, 1978
ADULT/ *BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, radiotherapy/ *BREAST NEOPLASMS, surgery/ COMPARATIVE STUDY/ DRUG ADMINISTRATION SCHEDULE/ FEMALE/ HUMAN/ MASTECTOMY/ MEDROXYPROGESTERONE, administration & dosage/ *MEDROXYPROGESTERONE, therapeutic use/ MIDDLE AGE

2902. **Pant HC, Yoshioka T, Tasaki I, et al:** Divalent cation dependent

phosphorylation of proteins in squid giant axon. Brain Res 162(2):303–13, 23 Feb 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL/ *AXONS, metabolism/ *CALCIUM, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTRIC STIMULATION/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *MAGNESIUM, pharmacodynamics/ MOLECULAR WEIGHT/ *NERVE TISSUE PROTEINS, metabolism/ PHOSPHORYLATION/ SQUID

2903. **Papapoulos SE, Hendy GN, Manning RM, et al:** Amino-terminal labelled antibody assay for human parathyroid hormone [proceedings] J Endocrinol 79(2):33P–34P, Nov 78
HUMAN/ *PARATHYROID HORMONE, analysis/ PARATHYROID HORMONE, blood/ RADIOIMMUNOASSAY, methods

2904. **Pape K:** Hyperparathyreoidismus. Stomatol DDR 28(9):661–71, Sep 78 (Eng. Abstr.) **(Ger)**
BONE DISEASES, etiology/ CASE REPORT/ ENGLISH ABSTRACT/ FEMORAL FRACTURES, etiology/ FRACTURES, SPONTANEOUS, etiology/ GRANULOMA, GIANT CELL, etiology/ HUMAN/ *HYPERPARATHYROIDISM/ HYPERPARATHYROIDISM, SECONDARY, etiology/ KIDNEY FAILURE, CHRONIC, metabolism/ KIDNEY, transplantation/ MALE/ OSTEOLYSIS, etiology/ PARATHYROID HORMONE, secretion/ PHOSPHATES, blood/ VITAMIN D, therapeutic use

2905. **Papkoff H, Bern HA:** Obituary: Irving I. Geschwind, 1923–1978. Gen Comp Endocrinol 36(2):323–4, Oct 78
CALIFORNIA/ CURRENT BIOG-OBIT/ ENDOCRINOLOGY/ HISTORY OF MEDICINE, 20TH CENT.

2906. **Pardini A, Pieri S, Pomponi B:** Nostra esperienza sull'impiego della desamino-ossitocina nella prova di tolleranza fetale alla contrazione uterina. Riv Ital Ginecol 58(1–2):87–92, Jan–Apr 77 (Eng. Abstr.) **(Ita)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ *FETAL ANOXIA, prevention & control/ FETAL HEART/ HUMAN/ *LABOR, INDUCED/ *OXYTOCICS, diagnostic use/ *OXYTOCIN, analogs & derivatives/ OXYTOCIN, diagnostic use/ PREGNANCY/ *UTERINE CONTRACTION/ UTERINE CONTRACTION, drug effects

2907. **Parish DC, Pickering BT:** Differential effects of colchicine on transport in the oxytocin- and vasopressin-containing neurones of the hypothalamo-neurohypophysial system in the rat [proceedings] J Endocrinol 79(2):24P–25P, Nov 78
ANIMAL/ BIOLOGICAL TRANSPORT, drug effects/ *COLCHICINE, pharmacodynamics/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ MALE/ NEURONS, drug effects/ *NEURONS, metabolism/ *OXYTOCIN, metabolism/ RATS/ TIME FACTORS/ *VASOPRESSINS, metabolism

2908. **Parish RW, Schmidlin S, Weibel M:** Effect of cyclic AMP pulses on the synthesis of plasma membrane proteins in aggregateless mutants of Dictyostelium discoideum. FEBS Lett 96(2):283–6, 15 Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ CELL AGGREGATION, drug effects/ CELL DIFFERENTIATION, drug effects/ *DICTYOSTELIUM, cytology/ DICTYOSTELIUM, genetics/ DICTYOSTELIUM, metabolism/ *GLYCOPROTEINS, biosynthesis/ *MEMBRANE PROTEINS, biosynthesis/ MOLECULAR WEIGHT/ MUTATION

2909. **Park BK, Whittaker AD, Challiner MR:** The effect of enzyme induction on the irreversible binding of ethynyloestradiol to guinea pig liver microsomes. Life Sci 23(25):2463–6, 18 Dec 78
ANIMAL/ ANTIPYRINE, pharmacodynamics/ CYTOCHROME P-450, metabolism/ CYTOCHROME REDUCTASES, metabolism/ *ENZYME INDUCTION, drug effects/ *ETHINYL ESTRADIOL, metabolism/ FLAVONES, pharmacodynamics/ GUINEA PIGS/ IN VITRO/ MALE/ MICROSOMES, LIVER, drug effects/ *MICROSOMES, LIVER, metabolism/ PHENOBARBITAL, pharmacodynamics/ RIFAMPIN, pharmacodynamics/ SPIRONOLACTONE, pharmacodynamics

2910. **Park EH, Kang YS:** Karyological confirmation of conspicuous ZW sex chromosomes in two species of Pacific anguilloid fishes (Anguilliformes: Teleostomi). Cytogenet Cell Genet 23(1–2):33–8, 1979
ANIMAL/ CELLS, CULTURED/ *EELS, genetics/ FEMALE/ KIDNEY, ultrastructure/ LEUKOCYTES, ultrastructure/ MALE/ *SEX CHROMOSOMES/ SPECIES SPECIFICITY

2911. **Parker RD, Sharma RP:** Accumulation and depletion of vanadium in selected tissues of rats treated with vanadyl sulfate and sodium orthovanadate. J Environ Pathol Toxicol 2(2):235–45, Nov–Dec 78
ANIMAL/ BODY WEIGHT, drug effects/ BONE AND BONES, metabolism/ GASTROINTESTINAL SYSTEM, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ MUSCLES, metabolism/ RATS/ TIME FACTORS/ TISSUE DISTRIBUTION/ VANADIUM, blood/ *VANADIUM, metabolism

2912. **Parker RD:** An illustration of the technique of canonical analysis. J Med Syst 2(2):161–70, 1978
*COMPUTERS/ HOSPITAL BED CAPACITY, 500 AND OVER/ HUMAN/ *LABORATORIES, organization & administration/ MARYLAND/ PATIENTS, classification/ STATISTICS/ *THYROID DISEASES, diagnosis

2913. **Parker RJ, Berkowitz BA, Lee CH, et al:** Vascular relaxation, aging and thyroid hormones. Mech Ageing Dev 8(6):397–405, Dec 78
*AGING/ ANIMAL/ AORTA, drug effects/ *BLOOD VESSELS, physiology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ GLYCERYL TRINITRATE, pharmacodynamics/ HYPOPHYSECTOMY/ ISOPROTERENOL, pharmacodynamics/ RATS/ *RECEPTORS, ADRENERGIC, physiology/ *RECEPTORS, ADRENERGIC, BETA, physiology/ SEROTONIN, pharmacodynamics/ *THYROID HORMONES, pharmacodynamics/ THYROID HORMONES, physiology/ THYROIDECTOMY/ THYROXINE, pharmacodynamics/ TRIIODOTHYRONINE, pharmacodynamics/ *VASODILATION, drug effects

2914. **Parkinson IS, Ward MK, Feest TG, et al:** Fracturing dialysis osteodystrophy and dialysis encephalopathy. An epidemiological survey. Lancet 1(8113):406–9, 24 Feb 79
ADULT/ *ALUMINUM, adverse effects/ ALUMINUM, analysis/ *BRAIN DISEASES, chemically induced/ BRAIN DISEASES, occurrence/ FRACTURES, etiology/ GREAT BRITAIN/ *HEMODIALYSIS, adverse effects/ HUMAN/ OSTEOMALACIA, chemically induced/ POPULATION SURVEILLANCE/ *RENAL OSTEODYSTROPHY, chemically induced/ RENAL OSTEODYSTROPHY, occurrence/ *WATER POLLUTANTS, adverse effects/ *WATER POLLUTANTS, CHEMICAL, adverse effects/ WATER POLLUTANTS, CHEMICAL, analysis/ WATER SUPPLY, analysis

2915. **Parkinson IS, Beckett A, Ward MK, et al:** Aluminium: removal from water supplies. Proc Eur Dial Transplant Assoc 15:586–7, 1978
*ALUMINUM/ ALUMINUM, adverse effects/ ALUMINUM, analysis/ BRAIN DISEASES, etiology/ *HEMODIALYSIS, adverse effects/ HUMAN/ OSTEOMALACIA, etiology/ *WATER SUPPLY/ WATER SUPPLY, analysis

2916. **Parks DE, Weigle WO:** Regulation of B cell unresponsiveness by suppressor cells. Immunol Rev 43:217–40, 1979 (59 ref.)
AGE FACTORS/ ANIMAL/ ANIMALS, NEWBORN/ AUTOANTIBODIES/ *B-LYMPHOCYTES, immunology/ BONE MARROW, cytology/ GONADOTROPINS, CHORIONIC, immunology/ *IMMUNE TOLERANCE/ LIPOPOLYSACCHARIDES, pharmacodynamics/ LYMPHOCYTE TRANSFORMATION, drug effects/ MICE/ MICE, INBRED STRAINS/ REVIEW/ SPLEEN, cytology/ T-LYMPHOCYTES, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2917. **Parks LW:** Metabolism of sterols in yeast.

CRC Crit Rev Microbiol 6(4):301–41, 1978 (301 ref.)
ANTIBIOTICS, pharmacodynamics/ CELL MEMBRANE, physiology/ CHEMISTRY/ CHICK EMBRYO/ CULTURE MEDIA/ DOGS/ ERGOSTEROL, biosynthesis/ ESTERIFICATION/ MITOCHONDRIA, physiology/ MUTATION/ OXYGEN/ POLYENES, pharmacodynamics/ REVIEW/ SACCHAROMYCES, metabolism/ SOLUBILITY/ STEROLS, biosynthesis/ *STEROLS, metabolism/ TEMPERATURE/ YEASTS, genetics/ *YEASTS, metabolism/ YEASTS, physiology/ YEASTS, radiation effects

2918. **Parra-Covarrubias A:** Cambios en el metabolismo energético y en la composición corporal y adaptaciones hormonales en la desnutrición proteico-calórica infantil. Gac Med Mex 114(7):323–35, Jul 78 **(Spa)**
*BODY COMPOSITION/ BODY WEIGHT/ *ENERGY METABOLISM/ HUMAN/ NORMAL VALUES/ *PROTEIN-CALORIE MALNUTRITION, metabolism/ SOMATOTROPIN, blood/ THYROXINE, blood

2919. **Parratt JR, Marshall RJ:** Are prostaglandins involved in the regulation of coronary blood flow? A review of the evidence. Acta Biol Med Ger 37(5–6):747–54, 1976
ANOXIA, physiopathology/ CORONARY DISEASE, physiopathology/ *CORONARY VESSELS, physiology/ DOGS/ HEART, physiology/ HEART, physiopathology/ HUMAN/ MYOCARDIUM, metabolism/ PROSTAGLANDINS, biosynthesis/ *PROSTAGLANDINS, physiology

2920. **Parris TM, Knight JG, Hess CE, et al:** Severe radiation pneumonitis precipitated by withdrawal of corticosteroids: a diagnostic and therapeutic dilemma. AJR 132(2):284–6, Feb 79
ADOLESCENCE/ CASE REPORT/ HUMAN/ MALE/ MEDIASTINAL NEOPLASMS, drug therapy/ MEDIASTINAL NEOPLASMS, radiotherapy/ *PNEUMONIA, etiology/ *PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ *RADIATION INJURIES, etiology/ SARCOMA, RETICULUM CELL, drug therapy/ SARCOMA, RETICULUM CELL, radiotherapy

2921. **Parry DM, McMillen IC, Willcox DL:** Immunocytochemical localisation of prolactin and growth hormone in the ovine pituitary. A morphological and quantitative study. Cell Tissue Res 194(2):327–36, 20 Nov 78
HISTOCYTOCHEMISTRY/ IMMUNOLOGIC TECHNICS/ *PITUITARY GLAND, ANTERIOR, analysis/ PROLACTIN, analysis/ *PROLACTIN, immunology/ SHEEP/ SOMATOTROPIN, analysis/ *SOMATOTROPIN, immunology

2922. **Pasanku T, Konjanovski D:** Reverzibilne promene na oku usled duže upotrebe oralnih kontraceptivnih sredstava. Med Pregl 31(11–12):493–6, 1978 (Eng. Abstr.) **(Scc)**
ADULT/ *CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ ENGLISH ABSTRACT/ *EYE DISEASES, chemically induced/ FEMALE/ HUMAN

2923. **Paschen W, Patscheke H, Wörner P:** Aggregation of activated platelets with Walker 256 carcinoma cells. Blut 38(1):17–24, 22 Jan 79
ADENOSINE DIPHOSPHATE/ ANIMAL/ *CARCINOMA 256, WALKER, pathology/ MALE/ NEOPLASM METASTASIS/ *PLATELET AGGREGATION/ RATS/ SEROTONIN

2924. **Pascher F:** Systemic reactions to topically applied drugs. Int J Dermatol 17(10):768–75, Dec 78
ADMINISTRATION, TOPICAL/ ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ AGED/ BORIC ACIDS, adverse effects/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ *DERMATOLOGIC AGENTS, adverse effects/ *DRUG HYPERSENSITIVITY, etiology/ FEMALE/ HEXACHLOROPHENE, adverse effects/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ MECHLORETHAMINE, adverse effects/ MERCURY POISONING, complications/ MIDDLE AGE/ PODOPHYLLIN, adverse effects/ PREGNANCY/ RESORCINOLS, adverse effects/ SALICYLIC ACIDS, adverse effects/ SKIN DISEASES, drug therapy

2925. **Pascual JF, Melendez MT, Rivera-Viera JF:** Local steroid therapy of refractory ascites associated with dialysis. J Pediatr 94(2):319–20, Feb 79
ADOLESCENCE/ *ASCITES, drug therapy/ ASCITES, etiology/ CASE REPORT/ *HEMODIALYSIS, adverse effects/ HUMAN/ MALE/ *TRIAMCINOLONE ACETONIDE, analogs & derivatives/ TRIAMCINOLONE ACETONIDE, therapeutic use

2926. **Pasqualini RQ:** El nombre del hipertiroidismo. Medicina (B Aires) 38(5):599–601, Sep–Oct 78 **(Spa)**
HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 18TH CENT./ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ *HYPERTHYROIDISM/ HYPERTHYROIDISM, classification/ HYPERTHYROIDISM, history/ *NOMENCLATURE

2927. **Pasricha A, Gulati AK:** Thyroglobulin antibodies in thyroid disorders. Comparison of bentonite flocculation and tanned red cell agglutination test. Indian J Pathol Microbiol 21(2):147–50, Apr 78
*AUTOANTIBODIES, analysis/ BENTONITE/ COMPARATIVE STUDY/ *FLOCCULATION TESTS/ *HEMAGGLUTINATION TESTS/ HUMAN/ *THYROGLOBULIN, immunology/ *THYROID DISEASES, immunology

2928. **Paszko Z:** Hormony a rak sutka. Nowotwory 28(4):353–70, Dec 78 **(Pol)**
ANIMAL/ *BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, metabolism/ FEMALE/ HORMONES, metabolism/ *HORMONES, therapeutic use/ HUMAN/ MENOPAUSE/ RATS/ RECEPTORS, ANDROGEN/ RECEPTORS, ESTROGEN, analysis/ RECEPTORS, ESTROGEN, metabolism/ RECEPTORS, ESTROGEN, physiology/ RECEPTORS, PROGESTERONE, physiology

2929. **Pataki A, Donatsch P, Hodel C, et al:** Zur Relevanz der Enzymhistochemie der Rattenschilddrüse. Acta Histochem [Suppl] (Jena) 14:159–65, 1975 (Eng. Abstr.) **(Ger)**
ACETAMINOPHEN, pharmacodynamics/ *ACID PHOSPHATASE, metabolism/ ANIMAL/ BENZIDINES/ BLOOD PROTEINS/ ENGLISH ABSTRACT/ FEMALE/ HISTOCYTOCHEMISTRY/ IODINE RADIOISOTOPES, diagnostic use/ IODINE, blood/ *LEUCINE AMINOPEPTIDASE, metabolism/ *LEUCYL-BETA-NAPHTHYLAMIDASE, metabolism/ MALE/ *PEROXIDASES, metabolism/ PHENACETIN, pharmacodynamics/ RATS/ THYROID GLAND, drug effects/ *THYROID GLAND, enzymology

2930. **Paterson AT, Rickerby J, Simpson J:** Pineal facilitation of territorial aggression [proceedings] J Physiol (Lond) 284:173P–174P, Nov 78
*AGGRESSION, physiology/ ANIMAL/ MALE/ MELATONIN, physiology/ MICE/ *PINEAL BODY, physiology/ *TERRITORIALITY

2931. **Paterson CA, Eakins KE, Paterson E, et al:** The ocular hypertensive response following experimental acid burns in the rabbit eye. Invest Ophthalmol Vis Sci 18(1):67–74, Jan 79
ANIMAL/ AQUEOUS HUMOR, analysis/ AQUEOUS HUMOR, drug effects/ *BURNS, CHEMICAL, physiopathology/ *EYE BURNS, chemically induced/ EYE PROTEINS, analysis/ HYDROCHLORIC ACID, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ IMIDAZOLES, pharmacodynamics/ INDOMETHACIN, pharmacodynamics/ *INTRAOCULAR PRESSURE, drug effects/ PROSTAGLANDINS, analysis/ PROSTAGLANDINS, physiology/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2932. **Patil SR, Kaiser-McCaw B, Hecht F, et al:** Human benign ovarian teratomas: chromosomal and electrophoretic enzyme studies. Birth Defects 14(6B):297–301, 1978
ADENYLATE KINASE, metabolism/ CELLS, CULTURED/ CHILD/ CHROMOSOME BANDING/ *CHROMOSOMES, HUMAN, ultrastructure/ FEMALE/ HUMAN/ KARYOTYPING/ OVARIAN NEOPLASMS, enzymology/ *OVARIAN NEOPLASMS, familial & genetic/ PHOSPHOGLUCOMUTASE, metabolism/ PHOSPHOGLUCONATE DEHYDROGENASE,

metabolism/ TERATOID TUMOR, enzymology/ *TERATOID TUMOR, familial & genetic/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2933. **Patil TN, Radhakrishnamurty R:** Effect of alpha-naphthylthiourea on (Na+ + K+)-ATPases in albino rats. Indian J Biochem Biophys 15(4):294-8, Aug 78
*ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM, antagonists & inhibitors/ ANIMAL/ ERYTHROCYTE MEMBRANE, enzymology/ FEMALE/ KIDNEY, enzymology/ MICROSOMES, enzymology/ MICROSOMES, LIVER, enzymology/ NAPHTHALENES, pharmacodynamics/ RATS/ *RODENTICIDES, pharmacodynamics/ *THIOUREA, analogs & derivatives/ THIOUREA, pharmacodynamics/ TISSUE DISTRIBUTION

2934. **Patnaik SK:** Induction of aspartate transcarbamylase of the spleen of rats of various ages by hydrocortisone. J Biochem (Tokyo) 84(5):1315-7, Nov 78
ADRENALECTOMY/ AGING/ ANIMAL/ *ASPARTATE CARBAMOYLTRANSFERASE, biosynthesis/ COMPARATIVE STUDY/ DACTINOMYCIN, pharmacodynamics/ ENZYME INDUCTION/ *HYDROCORTISONE, pharmacodynamics/ MALE/ RATS/ *SPLEEN, enzymology/ UNITED STATES GOV'T SUPPORTED

2935. **Patrick J:** Interrelations between the physiology of sodium, potassium and water, and nutrition. J Hum Nutr 32(6):405-18, Dec 78 (83 ref.)
ADAPTATION, PHYSIOLOGICAL/ ANIMAL/ BIOLOGICAL TRANSPORT/ BODY COMPOSITION/ BODY WATER, metabolism/ CELLS, metabolism/ EDEMA, etiology/ EDEMA, metabolism/ ENERGY METABOLISM/ FASTING/ HOMEOSTASIS/ HORMONES, metabolism/ HUMAN/ HYPERTENSION, metabolism/ MEMBRANES, physiology/ *NUTRITION/ NUTRITIONAL REQUIREMENTS/ *POTASSIUM, metabolism/ PROTEIN-CALORIE MALNUTRITION, complications/ PROTEIN-CALORIE MALNUTRITION, metabolism/ REVIEW/ *SODIUM, metabolism/ *WATER-ELECTROLYTE BALANCE

2936. **Patritti-Laborde N, Yoshimoto Y, Wolfsen A, et al:** Improved method of purifying some radiolabeled glycopeptide hormones. Clin Chem 25(1):163-5, Jan 79
CHROMATOGRAPHY, AFFINITY, methods/ CONCANAVALIN A/ FSH, isolation & purification/ *GLYCOPEPTIDES, isolation & purification/ GONADOTROPINS, CHORIONIC, isolation & purification/ *HORMONES, isolation & purification/ ISOTOPE LABELING, methods/ LH, isolation & purification/ THYROTROPIN, isolation & purification

2937. **Patwardhan VV, Lanthier A:** Effect of luteinizing hormone on the concentration of cyclic GMP in rabbit ovaries. J Endocrinol 79(2):251-2, Nov 78
ANIMAL/ FEMALE/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *LH, pharmacodynamics/ OVARY, drug effects/ *OVARY, metabolism/ RABBITS

2938. **Pau H:** Schädigung der Makula durch Kortikosteroide. Ber Zusammenkunft Dtsch Ophthalmol Ges (75):598, 1978 (Eng. Abstr.) **(Ger)**
CASE REPORT/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *MACULA LUTEA, drug effects/ NEPHROTIC SYNDROME, drug therapy/ *PIGMENTATION DISORDERS, chemically induced/ PREDNISONE, administration & dosage/ *PREDNISONE, adverse effects

2939. **Paul D, Ristow HJ:** Cell cycle control by Ca++-ions in mouse 3T3 cells and in transformed 3T3 cells. J Cell Physiol 98(1):31-9, Jan 79
CALCIUM, administration & dosage/ CALCIUM, metabolism/ *CALCIUM, pharmacodynamics/ *CELL CYCLE, drug effects/ *CELL TRANSFORMATION, NEOPLASTIC/ CELLS, CULTURED/ COMPARATIVE STUDY/ CULTURE MEDIA/ DNA, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2940. **Paul M, Johnston RN:** Absence of a Ca response following ammonia activation of sea urchin eggs. Dev Biol 67(2):330-5, Dec 78
*AMMONIUM CHLORIDE, pharmacodynamics/ ANIMAL/ *CALCIUM, metabolism/ COMPARATIVE STUDY/ FEMALE/ *FERTILIZATION/ OVUM, drug effects/ *OVUM, metabolism/ SEA URCHINS

2941. **Paulo E, Godzińska E:** Morphologic changes in the thymus and adrenals of rats after sialoadenectomy or sialoadenectomy combined with thymectomy. Folia Biol (Krakow) 26(4):277-86, 1978
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL/ ATROPHY/ MALE/ RATS/ *SALIVARY GLANDS, physiology/ SALIVARY GLANDS, surgery/ THYMECTOMY/ THYMUS GLAND, pathology/ *THYMUS GLAND, physiology

2942. **Paulsen R, Hoppe I:** Light-activated phosphorylation of cephalopod rhodopsin. FEBS Lett 96(1):55-8, 1 Dec 78
ANIMAL/ CALCIUM, metabolism/ CATIONS, MONOVALENT, pharmacodynamics/ *LIGHT/ MAGNESIUM, metabolism/ *OCTOPUS, physiology/ PHOSPHORYLATION/ *RETINAL PIGMENTS, metabolism/ *RHODOPSIN, metabolism/ *RODS AND CONES, metabolism/ VISION

2943. **Pavlova OG:** Stimuliatsiia lateral'nogo gipotalamusa kak uslovnyi razdrazhitel' pishchevogo instrumental'nogo refleksa. Zh Vyssh Nerv Deiat 28(6):1190-6, Nov-Dec 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ *CONDITIONING, OPERANT, physiology/ *CUES/ DOGS/ ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ EXTINCTION (PSYCHOLOGY)/ FOOD/ *HYPOTHALAMUS, physiology/ LIGHT/ REACTION TIME, physiology/ SATIATION, physiology

2944. **Pavlovic-Hournac M, Delbauffe D, Ohayon R:** Hormonal regulation of cAMP-independent protein phosphokinase activities: thyroxine and cortisol control of enzymes from rat liver cytosol. Mol Cell Endocrinol 12(3):255-65, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE/ ADRENAL GLANDS, physiology/ ANIMAL/ CASEIN/ CYTOSOL, enzymology/ HISTONE KINASE, metabolism/ *HYDROCORTISONE, pharmacodynamics/ *LIVER, enzymology/ MALE/ PROTEIN KINASE, isolation & purification/ *PROTEIN KINASE, metabolism/ RATS/ THYROID GLAND, physiology/ *THYROXINE, pharmacodynamics

2945. **Pawlikowski M, Kunert-Radek J, Stępień H:** Direct antiproliferative effect of dopamine agonists on the anterior pituitary gland in organ culture. J Endocrinol 79(2):245-6, Nov 78
ANIMAL/ DOPAMINE, pharmacodynamics/ FEMALE/ MITOSIS, drug effects/ ORGAN CULTURE/ PITUITARY GLAND, ANTERIOR, cytology/ *PITUITARY GLAND, ANTERIOR, drug effects/ RATS/ *2-BROMOERGOCRYPTINE, pharmacodynamics

2946. **Paxton JW, Stephens EJ, Wood HF:** An indication of possible impending toxicity during moderately high dose methotrexate infusions. Br J Clin Pharmacol 6(6):551-2, Dec 78
BREAST NEOPLASMS, drug therapy/ CARCINOMA, drug therapy/ HUMAN/ INFUSIONS, PARENTERAL/ METHOTREXATE, administration & dosage/ METHOTREXATE, blood/ *METHOTREXATE, poisoning/ METHOTREXATE, therapeutic use/ TERATOID TUMOR, drug therapy/ TESTICULAR NEOPLASMS, drug therapy/ TIME FACTORS

2947. **Payne BJ, Arena E:** The subacute and chronic toxicity of SK&F 36914 and SK&F D-39162 in dogs. Vet Pathol 15 Suppl 5:9-12, Aug 78
ADMINISTRATION, ORAL/ ANEMIA, HEMOLYTIC, chemically induced/ ANIMAL/ COMPARATIVE STUDY/ DIARRHEA, chemically induced/ DOGS/ DRUG SCREENING/ FEMALE/ GOLD THIOGLUCOSE, analogs & derivatives/ GOLD THIOGLUCOSE, toxicity/ GOLD, administration & dosage/ *GOLD, toxicity/ HEMATOCRIT/ HEMOGLOBINS, analysis/ HYPERPLASIA/ MALE/ ORGANOPHOSPHORUS COMPOUNDS, administration & dosage/ ORGANOPHOSPHORUS COMPOUNDS, toxicity/ PHOSPHINES, administration & dosage/ PHOSPHINES, toxicity/ THYROID GLAND,

pathology/ VOMITING, chemically induced

2948. **Paz G, Homonnai ZT, Harell A, et al:** Improvement in the fertility of streptozotocin-diabetic male rats following treatment with insulin and human chrionic gonadotropin. Isr J Med Sci 14(10):1073-8, Oct 78
ANIMAL/ *DIABETES MELLITUS, EXPERIMENTAL, drug therapy/ *FERTILITY, drug effects/ GONADOTROPINS, CHORIONIC, administration & dosage/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ INSULIN, administration & dosage/ INSULIN, pharmacodynamics/ *INSULIN, therapeutic use/ MALE/ RATS/ SPERMATOGENESIS, drug effects/ STREPTOZOTOCIN/ TESTIS, metabolism/ TESTOSTERONE, metabolism

2949. **Pearson AK, Licht P, Nagy KA, et al:** Endocrine function and reproductive impairment in an irradiated population of the lizard Uta stansburiana. Radiat Res 76(3):610-23, Dec 78
ANIMAL/ *ENDOCRINE GLANDS, radiation effects/ FEMALE/ GAMMA RAYS/ GONADOTROPINS, PITUITARY, metabolism/ GONADS, pathology/ GONADS, physiopathology/ GONADS, radiation effects/ LEYDIG CELLS, ultrastructure/ LIZARDS/ MALE/ ORGAN WEIGHT/ PITUITARY GLAND, metabolism/ PITUITARY GLAND, radiation effects/ PITUITARY GLAND, ultrastructure/ *REPRODUCTION, radiation effects/ UNITED STATES GOV'T SUPPORTED

2950. **Pečený J, Reisenauer R:** Naše zkušenosti s jodidací jedlé soli v CSSR. Cesk Pediatr 34(1):37-8, Jan 79 (Eng. Abstr.) **(Cze)**
CZECHOSLOVAKIA/ ENGLISH ABSTRACT/ FOOD ADDITIVES/ GOITER, ENDEMIC, prevention & control/ HUMAN/ *IODINE/ *SODIUM CHLORIDE

2951. **Pecheux F, Frühling J:** Biochemical and morphological characteristics of bovine adrenal cortex plasma membrane [proceedings] Arch Int Physiol Biochim 86(4):879-80, Oct 78
ADRENAL CORTEX, metabolism/ *ADRENAL CORTEX, ultrastructure/ ANIMAL/ CATTLE/ CELL FRACTIONATION, methods/ CELL MEMBRANE, metabolism/ CHOLESTEROL, metabolism

2952. **Peck WA, Burks JK:** Proliferation and specialization of bone cells cultured in serum-free medium. pp. 3-12. In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.
ALKALINE PHOSPHATASE, metabolism/ ANIMAL/ BONE AND BONES, metabolism/ *BONE AND BONES, physiology/ *CELL DIFFERENTIATION/ CELL DIVISION/ CELLS, CULTURED/ CULTURE MEDIA/ DNA, biosynthesis/ FETUS/ MONOGRAPH/ RATS/ THYMIDINE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2953. **Pedersen PL, Amzel LM, Soper JW, et al:** Structure, function, and regulation of the mitochondrial adenosine triphosphatase complex of rat liver--a progress report. pp. 159-94. In: Schafer G, Klingenberg M, ed. Energy conservation in biological membranes. Berlin, Springer-Verlag, 1978. W3 MO87 29th 1978e. (71 ref.)
ADENINE NUCLEOTIDES, metabolism/ *ADENOSINE TRIPHOSPHATASE/ ADENOSINE TRIPHOSPHATASE, isolation & purification/ ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, biosynthesis/ BINDING SITES/ CALCIUM, metabolism/ CHEMISTRY/ CRYSTALLIZATION/ CYTOCHROMES, analysis/ ELECTRON TRANSPORT/ FLAVOPROTEINS, analysis/ MEMBRANES, enzymology/ *MITOCHONDRIA, LIVER, enzymology/ MODELS, BIOLOGICAL/ MONOGRAPH/ NADP, metabolism/ OLIGOMYCIN, pharmacodynamics/ PEPTIDES, analysis/ RATS/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2954. **Pedroli G, Conte L, Inversini G, et al:** Calcolo delle concentrazioni massime ammissibili di radionuclidi non classificati impiegati in medicina nucleare. Radiol Med (Torino) 64(10):1183-4, Oct 78 **(Ita)**
*AIR POLLUTANTS, toxicity/ *AIR POLLUTANTS, RADIOACTIVE, toxicity/ HUMAN/ INTESTINES, radiation effects/ KIDNEY, radiation effects/ LUNG, radiation effects/ MAXIMUM PERMISSIBLE EXPOSURE LEVEL/ *RADIOISOTOPES/ THYROID GLAND, radiation effects/ *WATER POLLUTANTS, toxicity/ *WATER POLLUTANTS, RADIOACTIVE, toxicity

2955. **Pekonen F, Lamberg BA:** Thyrotoxicosis during pregnancy. Ann Chir Gynaecol 67(5):165-73, 1978 (100 ref.)
ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ ANTIBODIES/ FEMALE/ HUMAN/ *HYPERTHYROIDISM/ HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, drug therapy/ HYPERTHYROIDISM, surgery/ IMMUNOGLOBULINS/ *PREGNANCY COMPLICATIONS/ PREGNANCY COMPLICATIONS, diagnosis/ PREGNANCY COMPLICATIONS, drug therapy/ PREGNANCY COMPLICATIONS, surgery/ PREGNANCY/ REVIEW/ THYROID ANTAGONISTS, therapeutic use/ THYROID GLAND, immunology/ THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

2956. **Pelikán L, Minaříková E:** Rachitis antiepileptica. Cesk Pediatr 33(9):543-4, Sep 78 (Eng. Abstr.) **(Cze)**
*ANTICONVULSANTS, adverse effects/ ANTICONVULSANTS, therapeutic use/ CASE REPORT/ ENGLISH ABSTRACT/ EPILEPSY, drug therapy/ HUMAN/ INFANT/ MALE/ *RICKETS, chemically induced

2957. **Pellmar TC, Carpenter DO:** Voltage-dependent calcium current induced by serotonin. Nature 277(5696):483-4, 8 Feb 79
ANIMAL/ APLYSIA/ CALCIUM, antagonists & inhibitors/ *CALCIUM, physiology/ COBALT, pharmacodynamics/ ELECTRIC CONDUCTIVITY/ GANGLIA, cytology/ MANGANESE, pharmacodynamics/ MEMBRANE POTENTIALS/ *NEURONS, drug effects/ *SEROTONIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED

2958. **Pelofsky S:** Transsphenoidal hypophysectomy--pituitary microneurosurgery. J Okla State Med Assoc 72(2):41-2, Feb 79
ADENOMA, surgery/ CRANIOPHARYNGIOMA, surgery/ HUMAN/ *HYPOPHYSECTOMY, methods/ *MICROSURGERY, methods/ PITUITARY NEOPLASMS, surgery/ SPHENOID BONE

2959. **Pena SD, Evans J, Hunter AG:** COFS syndrome revisited. Birth Defects 14(6B):205-13, 1978
CASE REPORT/ CHILD, PRESCHOOL/ CONTRACTURE/ *ELBOW, abnormalities/ FEMALE/ FOLLOW-UP STUDIES/ *GROWTH DISORDERS, familial & genetic/ HUMAN/ INDIANS, NORTH AMERICAN/ INFANT/ INFANT, NEWBORN/ *KNEE, abnormalities/ MALE/ *MICROCEPHALY, familial & genetic/ *OSTEOPOROSIS, familial & genetic/ PEDIGREE

2960. **Pence DH, Schnell RC:** Sex-related differences in biotransformation of aniline hydroxylase in Sprague-Dawley rats. Pharmacology 18(1):52-6, 1979
ANILINE COMPOUNDS, metabolism/ *ANILINE HYDROXYLASE, metabolism/ ANIMAL/ *ARYL HYDROCARBON HYDROXYLASES, metabolism/ CASTRATION/ CYTOCHROME P-450, metabolism/ ESTRADIOL, pharmacodynamics/ FEMALE/ MALE/ *MICROSOMES, LIVER, enzymology/ *RATS, metabolism/ SEX FACTORS/ TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2961. **Pendleton RG, Gessner G, Weiner G, et al:** Studies on SK&F 29661, an organ-specific inhibitor of phenylethanolamine N-methyltransferase. J Pharmacol Exp Ther 208(1):24-30, Jan 79
ADRENAL GLANDS, enzymology/ ANIMAL/ BLOOD VESSELS, drug effects/ BRAIN STEM, enzymology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, biosynthesis/ HEART RATE, drug effects/ IN VITRO/ *ISOQUINOLINES, pharmacodynamics/ MALE/ MONKEYS/ NOREPINEPHRINE, metabolism/ ORGAN SPECIFICITY/ *PHENETHANOLAMINE N-METHYLTRANSFERASE, antagonists &

inhibitors/ RABBITS/ RATS/ RECEPTORS, ADRENERGIC, ALPHA, drug effects/ RECEPTORS, ADRENERGIC, BETA, drug effects/ SQUIRREL MONKEYS/ SULFONAMIDES, pharmacodynamics

2962. **Peng TC, Gitelman HJ, Garner SC:** Acute lead-induced increase in serum calcium in the rat without increased secretion of calcitonin. Proc Soc Exp Biol Med 160(1):114–7, Jan 79
ANIMAL/ CALCITONIN, blood/ *CALCITONIN, secretion/ *CALCIUM, blood/ HYPERCALCEMIA, etiology/ *LEAD POISONING, blood/ LEAD POISONING, complications/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2963. **Penpargkul S, Schwartz A, Scheuer J:** Effect of physical conditioning on cardiac mitochondrial function. J Appl Physiol 45(6):978–86, Dec 78
ADENOSINE DIPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ MALE/ *MITOCHONDRIA, HEART, metabolism/ *OXIDATIVE PHOSPHORYLATION/ *OXYGEN CONSUMPTION/ *PHYSICAL CONDITIONING, ANIMAL/ PROTEINS, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2964. **Perdue ST, Terasaki PI, Mickey MR:** HLA frequencies in cancer: a third study. IARC Sci Publ (20):263–9, 1978
BREAST NEOPLASMS, immunology/ COMPARATIVE STUDY/ GENES/ HAPLOIDY/ HUMAN/ *HL-A ANTIGENS, analysis/ HL-A ANTIGENS, genetics/ LEUKEMIA, LYMPHOCYTIC, immunology/ LEUKEMIA, MYELOBLASTIC, immunology/ LUNG NEOPLASMS, immunology/ LYMPHOMA, immunology/ NEOPLASMS, familial & genetic/ *NEOPLASMS, immunology/ OVARIAN NEOPLASMS, immunology/ PHENOTYPE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2965. **Pereira NM, Timm SL, da Costa SC, et al:** Trypanosoma cruzi: isolation and characterization of membrane and flagellar fractions. Exp Parasitol 46(2):225–34, Dec 78
ACID PHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATASE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL/ CELL FRACTIONATION, methods/ CELL MEMBRANE, enzymology/ CELL MEMBRANE, ultrastructure/ FLAGELLA, enzymology/ FLAGELLA, ultrastructure/ NUCLEOTIDASES, metabolism/ SUBCELLULAR FRACTIONS/ SUCCINATE DEHYDROGENASE, metabolism/ *TRYPANOSOMA CRUZI, ultrastructure

2966. **Pérez Díaz V, Alcazar De La Ossa JM, Jarillo MD, et al:** Implicaciones pronósticas y terapéuticas de la actividad de renina plasmática en la hipertensión arterial esencial. Rev Clin Esp 151(4):283–87, 30 Nov 78 (Eng. Abstr.) **(Spa)**
ADULT/ *ANGIOTENSIN II, blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTENSION, blood/ MALE/ MIDDLE AGE/ PROGNOSIS/ *RENIN, blood

2967. **Pérez-Soler J, Monguió F, Rodríguez C, et al:** Quiste gigante de ovario, maligno, con embarazo gemelar a término. Acta Obstet Ginecol Hisp Lusit 26(7):401–13, Oct 78 **(Spa)**
ADULT/ CASE REPORT/ *CYSTADENOMA, MUCINOUS, radionuclide imaging/ FEMALE/ HUMAN/ *OVARIAN CYSTS, radionuclide imaging/ PREGNANCY COMPLICATIONS, radionuclide imaging/ PREGNANCY/ *PREGNANCY, MULTIPLE

2968. **Perkins CM:** Phaeochromocytoma: notable advance in management. Nurs Mirror 148(6):36–8, 8 Feb 79
*ADRENAL GLAND NEOPLASMS, nursing/ ADRENAL GLAND NEOPLASMS, surgery/ ADRENALECTOMY/ HUMAN/ *PHEOCHROMOCYTOMA, nursing/ PHEOCHROMOCYTOMA, surgery

2969. **Perkins MS, Margules DL, Ward IL:** Nerve growth factor: intense polydipsia of long duration produced by ventral diencephalic application. Brain Res 161(2):351–5, 2 Feb 79
ANIMAL/ *DIENCEPHALON, drug effects/ DOMINANCE, CEREBRAL, drug effects/ *DRINKING, drug effects/ EATING, drug effects/ MALE/ MOTOR ACTIVITY, drug effects/ NEPHRECTOMY/ *NERVE GROWTH FACTOR, administration & dosage/ NOREPINEPHRINE, metabolism/ PARAVENTRICULAR NUCLEUS, drug effects/ RATS/ THALAMUS, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2970. **Perreault WJ, Adkisson KP, Cobel-Geard SR, et al:** The location of highly repetitious DNA in the somatic chromosomes of Drosophila melanogaster. Chromosoma 70(1):31–9, 21 Dec 78
ANIMAL/ BASE SEQUENCE/ *DROSOPHILA MELANOGASTER, genetics/ *DNA, genetics/ DNA, metabolism/ FEMALE/ *HETEROCHROMATIN/ MALE/ NUCLEIC ACID HYBRIDIZATION/ RNA, genetics/ *SEX CHROMOSOMES/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *X CHROMOSOME/ *Y CHROMOSOME

2971. **Perrild H:** Tyreotoksikose udviklet efter diagnosticeret myksødem. Ugeskr Laeger 141(8):518–20, 19 Feb 79 (Eng. Abstr.) **(Dan)**
ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, etiology/ MALE/ *MYXEDEMA, complications/ MYXEDEMA, drug therapy/ THYROXINE, therapeutic use

2972. **Perry BN, McCracken A:** Manipulation of female growth and efficiency of food utilization. 2. The effects of auto-immunity to luteinizing hormone releasing hormone (LHRH) on growth and food utilization [proceedings] Proc Nutr Soc 37(3):109A, Dec 78
ANIMAL/ *AUTOIMMUNE DISEASES/ *BODY WEIGHT, drug effects/ FEMALE/ LH-FSH RELEASING HORMONE, immunology/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ NUTRITION/ RATS/ SEX FACTORS

2973. **Perry BN, McCracken A:** Manipulation of female growth and efficiency of food utilization. I. The effects of perinatal testosterone propionate, ovariectomy at 21 d and long-acting testosterone esters from 36 to 38 d of age [proceedings] Proc Nutr Soc 37(3):108A, Dec 78
ANIMAL/ *BODY WEIGHT, drug effects/ CALORIC INTAKE/ CASTRATION/ DELAYED-ACTION PREPARATIONS/ FEMALE/ RATS/ *TESTOSTERONE, analogs & derivatives/ *TESTOSTERONE, pharmacodynamics

2974. **Perry BN, Furr BJ:** Manipulation of female growth and efficiency of food utilization. 3. Comparison of the effects of perinatal testosterone and oestradiol on the subsequent growth of female rats [proceedings] Proc Nutr Soc 37(3):110A, Dec 78
ANIMAL/ *BODY WEIGHT, drug effects/ *ESTRADIOL, pharmacodynamics/ FEMALE/ RATS/ *TESTOSTERONE, pharmacodynamics

2975. **Perry LD, Edwards WC, Bramson RT:** Melnick-Needles syndrome. j Pediatr Opthalmol Strabismus 15(4):226–30, Jul-Aug 78
*ABNORMALITIES, MULTIPLE, diagnosis/ *BONE AND BONES, abnormalities/ BONE AND BONES, radiography/ CASE REPORT/ CHILD/ CLUBFOOT, complications/ CORNEA, abnormalities/ EXOPHTHALMOS, complications/ *EYE, abnormalities/ FACE/ FEMALE/ HUMAN/ MALE/ NERVE COMPRESSION SYNDROMES, complications/ SCLERA, abnormalities/ *STRABISMUS, complications/ SYNDROME

2976. **Persky H, Charney N, Lief HI, et al:** The relationship of plasma estradiol to sexual behavior in young women. Psychosom Med 40(7):523–35, Nov 78
ADULT/ COITUS/ *ESTRADIOL, blood/ FEMALE/ HUMAN/ MALE/ MENSTRUATION/ *SEX BEHAVIOR/ TESTOSTERONE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2977. **Pertschuk LP, Zava DT, Gaetjens E, et al:** Detection of androgen and estrogen receptors in human prostatic carcinoma and hyperplasia by fluorescence microscopy. Res Commun Chem Pathol Pharmacol 22(2):427–30, Nov 78
*ADENOCARCINOMA, metabolism/ ESTRADIOL, metabolism/ HISTOCYTOCHEMISTRY/ HUMAN/ HYPERPLASIA, metabolism/ MICROSCOPY, FLUORESCENCE/ *PROSTATE, metabolism/ PROSTATE, pathology/ *PROSTATIC NEOPLASMS, metabolism/ *RECEPTORS, ANDROGEN, metabolism/ *RECEPTORS,

ESTROGEN, metabolism/ *RECEPTORS, STEROID, metabolism/ TESTOSTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2978. **Peskar BM, Gerok W:** Regionale Verteilung Prostaglandin-metabolisierender Enzyme in der Schleimhaut des oberen Gastrointestinaltrakts des Menschen. Verh Dtsch Ges Inn Med (84):1009-11, 1978 **(Ger)**
BIOPSY/ HUMAN/ HYDROXYPROSTAGLANDIN DEHYDROGENASES, metabolism/ *INTESTINAL MUCOSA, enzymology/ *PROSTAGLANDINS, metabolism

2979. **Petera P, Tausch G, Gaismayer K, et al:** Chronische Polyarthritis und Erythema anulare centrifugum Darier. Z Rheumatol 38(1-2):59-66, Jan-Feb 79 (Eng. Abstr.) **(Ger)**
ADRENAL CORTEX HORMONES, therapeutic use/ *ARTHRITIS, RHEUMATOID, complications/ ARTHRITIS, RHEUMATOID, drug therapy/ CASE REPORT/ ENGLISH ABSTRACT/ *ERYTHEMA MULTIFORME, complications/ FEMALE/ GOLD, therapeutic use/ HUMAN/ MIDDLE AGE

2980. **Peters G:** Introduction: history and problems of compensatory adaptation of renal functions and of compensatory hypertrophy of the kidney. Yale J Biol Med 51(3):235-45, May-Jun 78
ADAPTATION, PHYSIOLOGICAL/ ADRENAL GLANDS, physiology/ ANIMAL/ GLOMERULAR FILTRATION RATE/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ HYPERTROPHY/ *KIDNEY, physiology/ NEPHRECTOMY/ PHYSIOLOGY, history/ PITUITARY GLAND, physiology/ SODIUM, metabolism

2981. **Peters H, Byskov AG, Grinsted J:** Follicular growth in fetal and prepubertal ovaries of humans and other primates. Clin Endocrinol Metab 7(3):469-85, Nov 78 (72 ref.)
ABDOMINAL NEOPLASMS, physiopathology/ ANIMAL/ CHILD/ CHILD, PRESCHOOL/ CHROMOSOMES, HUMAN, 16-18/ DOWN'S SYNDROME, physiopathology/ FEMALE/ FSH, physiology/ GESTATIONAL AGE/ GRAAFIAN FOLLICLE, embryology/ *GRAAFIAN FOLLICLE, growth & development/ GRAAFIAN FOLLICLE, ultrastructure/ HUMAN/ INFANT/ INFANT, NEWBORN/ LEUKEMIA, physiopathology/ LH, physiology/ MONKEYS/ OVARY, growth & development/ PUBERTY/ REVIEW/ TRISOMY/ TURNER'S SYNDROME, physiopathology

2982. **Petersen H, Grossman MI:** Stimulation of gastric acid secretion by dimaprit in unanesthetized rats. Agents Actions 8(6):566-7, Dec 78
ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *GASTRIC JUICE, secretion/ HISTAMINE, pharmacodynamics/ MALE/ PENTAGASTRIN, pharmacodynamics/ RATS/ *RECEPTORS, HISTAMINE H2, drug effects/ *RECEPTORS, HISTAMINE, drug effects/ *THIOUREA, analogs & derivatives/ THIOUREA, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2983. **Petersen KE, Christensen T:** 17-Hydroxyprogesterone in normal children and congenital adrenal hyperplasia. Measurement in serum by radioimmunoassay after thin-layer chromatography. Acta Paediatr Scand 68(2):205-11, Mar 79
ADRENAL GLAND HYPERFUNCTION, blood/ *ADRENAL GLAND HYPERFUNCTION, congenital/ ADULT/ CHILD/ CHILD, PRESCHOOL/ CHROMATOGRAPHY, THIN LAYER/ CORTICOTROPIN, diagnostic use/ FEMALE/ HUMAN/ *HYDROXYPROGESTERONES, blood/ INFANT/ MALE/ NORMAL VALUES/ PREGNANETRIOL, urine/ RADIOIMMUNOASSAY/ 17-KETOSTEROIDS, urine

2984. **Peterson JW:** Relation of stiffness, energy metabolism, and isometric tension in a vascular smooth muscle. pp. 79-88.

In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977. (32 ref.)
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL/ BLOOD VESSELS, enzymology/ BLOOD VESSELS, metabolism/ *BLOOD VESSELS, physiology/ CALCIUM, metabolism/ CATTLE/ FROGS/ IN VITRO/ MONOGRAPH/ MUSCLE RELAXATION/ MUSCLE, SMOOTH, enzymology/ MUSCLE, SMOOTH, metabolism/ *MUSCLE, SMOOTH, physiology/ RATS/ REVIEW/ SWINE/ *VASOCONSTRICTION

2985. **Pethick DW, Lindsay DB:** Acetate production by sheep hind-limb muscle [proceedings] Proc Nutr Soc 37(3):101A, Dec 78
*ACETATES, metabolism/ FASTING/ FEMALE/ HUMAN/ LACTATION/ MALE/ *MUSCLES, metabolism/ PREGNANCY/ SHEEP

2986. **Petith MM, Schedl HP:** Effects of diabetes on cecal and colonic calcium transport in the rat. Am J Physiol 235(6):E699-702, Dec 78
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ *CECUM, metabolism/ *COLON, metabolism/ *DIABETES MELLITUS, EXPERIMENTAL, metabolism/ INSULIN, pharmacodynamics/ MALE/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2987. **Petith MM:** Development of in vivo cecal and colonic calcium fluxes in growing rats. Proc Soc Exp Biol Med 160(1):28-31, Jan 79
AGE FACTORS/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ *CECUM, metabolism/ *COLON, metabolism/ COMPARATIVE STUDY/ INTESTINAL ABSORPTION/ MALE/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2988. **Petitti DB, Wingerd J, Pellegrin F, et al:** Oral contraceptives, smoking, and other factors in relation to risk of venous thromboembolic disease. Am J Epidemiol 108(6):480-5, Dec 78
ADULT/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ MIDDLE AGE/ RISK/ *SMOKING, complications/ THROMBOEMBOLISM, chemically induced/ THROMBOEMBOLISM, diagnosis/ *THROMBOEMBOLISM, etiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2989. **Petkov P:** Sluchai na suchetani neparazitarni kisti na mezenteriuma i iaichnika. Khirurgiia (Sofiia) 31(5):437-8, 1978 **(Bul)**
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *MESENTERIC CYST, pathology/ *OVARIAN CYSTS, pathology

2990. **Petkov R:** Ultrastructure of the collagen fibril. I. Some features of the structure of the collagen fibril. Anat Anz 144(4):301-18, Sep 78
ADOLESCENCE/ ADULT/ ANIMAL/ *COLLAGEN/ COMPARATIVE STUDY/ FEMALE/ FIBROBLASTS, ultrastructure/ *GOITER, pathology/ HUMAN/ MICROFILAMENTS, ultrastructure/ *OVARY, ultrastructure/ RATS/ *STEIN-LEVENTHAL SYNDROME, pathology/ TAIL/ *TENDONS, ultrastructure/ *THYROID GLAND, ultrastructure

2991. **Petrinelli P, Antonelli A, Gabellini P, et al:** Partial deletion of the X chromosome in gonadal dysgenesis 46,X,del(X)(p22) identified by BudR treatment. Hum Genet 45(3):351-4, 29 Dec 78
ADOLESCENCE/ BROMODEOXYURIDINE, diagnostic use/ CASE REPORT/ CHROMOSOME BANDING/ *CHROMOSOME DELETION/ FEMALE/ HUMAN/ *SEX CHROMOSOMES/ *TURNER'S SYNDROME, familial & genetic/ *X CHROMOSOME

2992. **Petzel SV, Cline DW:** Adolescent suicide: epidemiological and biological aspects. Adolesc Psychiatry 6:239-66, 1978
ADOLESCENCE/ CREATININE, urine/ ELECTROENCEPHALOGRAPHY/ EPILEPSY, psychology/ ETHNIC GROUPS/ FAMILY/ FEMALE/ HUMAN/ MALE/ MARRIAGE/ MENSTRUATION/ NONPSYCHOTIC ORGANIC BRAIN SYNDROME, psychology/ PREGNANCY IN ADOLESCENCE/ PREGNANCY/ SEX FACTORS/ STRESS, PSYCHOLOGICAL, psychology/ STRESS, PSYCHOLOGICAL, urine/ STUDENTS/ *SUICIDE, occurrence/ SUICIDE, psychology/ SUICIDE, ATTEMPTED, occurrence/ UNITED STATES/ 17-HYDROXYCORTICOSTEROIDS, urine

2993. **Pezalla PD, Seidah NG, Benjannet S, et al:** Biosynthesis of

beta-endorphin, beta-lipotropin and the putative ACTH-LPH precursor in the frog pars intermedia. Life Sci 23(23):2281-91, 4 Dec 78
AMINO ACID SEQUENCE/ ANIMAL/ *CORTICOTROPIN, biosynthesis/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *ENDORPHINS, biosynthesis/ ENDORPHINS, isolation & purification/ FROGS/ IN VITRO/ *LIPOTROPIN, biosynthesis/ METHIONINE, metabolism/ *PITUITARY GLAND, ANTERIOR, metabolism/ PRECIPITIN TESTS/ RANA PIPIENS

2994. **Pezner RD, Stevens KR Jr, Tong D, et al:** Limited epithelial carcinoma of the ovary treated with curative intent by the intraperitoneal installation of radiocolloids. Cancer 42(6):2563-71, Dec 78
ADULT/ AGED/ CYSTADENOCARCINOMA, radiotherapy/ CYSTADENOMA, MUCINOUS, radiotherapy/ CYSTADENOMA, PAPILLARY, radiotherapy/ FEMALE/ GOLD COLLOID, RADIOACTIVE, administration & dosage/ HUMAN/ INTESTINE, SMALL, radiation effects/ MIDDLE AGE/ NEOPLASMS, MULTIPLE PRIMARY, etiology/ *OVARIAN NEOPLASMS, radiotherapy/ PERITONEAL CAVITY/ PHOSPHORUS RADIOISOTOPES, administration & dosage/ RADIATION INJURIES, etiology/ RADIOTHERAPY, HIGH ENERGY

2995 **Pfister C, Goworek K:** Einfluss von 5-Hydroxytryptamin-(Serotonin-)kreatininsulfat auf die Entwicklung von Cerebrocortexexplantaten neonataler Ratten in vitro. Acta Histochem (Jena) 63(1):137-48, 1978 (Eng. Abstr.) **(Ger)**
ANIMALS, NEWBORN/ CELL DIVISION, drug effects/ CEREBRAL CORTEX/ ENGLISH ABSTRACT/ HISTOCYTOCHEMISTRY/ NEURONS, cytology/ *NEURONS, drug effects/ RATS/ *SEROTONIN, pharmacodynamics/ TISSUE CULTURE

2996. **Pfister WR, Noland V, Lowy MT, et al:** Comparison of the behavioral effects of para-chloroamphetamine, chlordimeform, quipazine, and intraventricular serotonin in the rat. Commun Psychopharmacol 2(4):287-95, 1978
P-CHLOROAMPHETAMINE, antagonists & inhibitors/ *P-CHLOROAMPHETAMINE, pharmacodynamics/ *AMIDINES, pharmacodynamics/ *AMPHETAMINES, pharmacodynamics/ ANIMAL/ *BEHAVIOR, ANIMAL, drug effects/ *CHLORPHENAMIDINE, pharmacodynamics/ CINANSERIN, pharmacodynamics/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ INJECTIONS, INTRAVENTRICULAR/ MALE/ METHYSERGIDE, pharmacodynamics/ *QUINOLINES, pharmacodynamics/ QUIPAZINE, antagonists & inhibitors/ *QUIPAZINE, pharmacodynamics/ RATS/ *SEROTONIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED

2997. **Phadke KP, Kwan YL, Young SG:** Sideroblastic anaemia and leukaemia in multiple myeloma. Aust NZ J Med 8(5):539-43, Oct 78
*ANEMIA, SIDEROBLASTIC, etiology/ CASE REPORT/ FEMALE/ HUMAN/ IGA/ IMMUNOGLOBULINS, KAPPA CHAIN/ *LEUKEMIA, etiology/ MALE/ MELPHALAN, adverse effects/ MELPHALAN, therapeutic use/ MIDDLE AGE/ *MULTIPLE MYELOMA, complications/ MULTIPLE MYELOMA, immunology/ MULTIPLE MYELOMA, therapy/ PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ PRELEUKEMIA

2998. **Philipp M:** Hämodialyse und die Idee der Blutentgiftung in der Schizophreniebehandlung. Fortschr Neurol Psychiatr 47(1):36-46, Jan 79 (Eng. Abstr.) **(Ger)**
ACUTE DISEASE/ BLOOD TRANSFUSION/ CHRONIC DISEASE/ ENDORPHINS/ ENGLISH ABSTRACT/ *HEMODIALYSIS/ HUMAN/ PSYCHOTHERAPY/ SCHIZOPHRENIA, etiology/ *SCHIZOPHRENIA, therapy

2999. **Philipp T, Distler A, Cordes U, et al:** Plasma noradrenaline and the pressor action of exogenous noradrenaline in normotensive subjects and patients with essential hypertension. Clin Sci Mol Med 55 Suppl 4:61s-63s, Dec 78
ADULT/ ANGIOTENSIN II, pharmacodynamics/ *BLOOD PRESSURE, drug effects/ FEMALE/ HUMAN/ *HYPERTENSION, blood/ HYPERTENSION, physiopathology/ MALE/ *NOREPINEPHRINE, blood/ NOREPINEPHRINE, pharmacodynamics/ RENIN, blood

3000. **Philipp T, Distler A, Dunkel I, et al:** Postoperative Langzeitergebnisse bei Patienten mit primärem Aldosteronismus. Verh Dtsch Ges Inn Med (84):834-7, 1978 **(Ger)**
ADENOMA, surgery/ ADRENAL CORTEX NEOPLASMS, surgery/ ADRENALECTOMY/ HUMAN/ *HYPERALDOSTERONISM, surgery/ PROGNOSIS

3001. **Philips SR, Juorio AV:** Arylalkylamines in the adrenal medulla. Can J Biochem 56(11):1058-60, Nov 78
*ADRENAL MEDULLA, analysis/ ADRENAL MEDULLA, drug effects/ ADRENAL MEDULLA, metabolism/ AMINES, metabolism/ ANIMAL/ CATTLE/ *EPINEPHRINE, analysis/ MALE/ *NOREPINEPHRINE, analysis/ PARGYLINE, pharmacodynamics/ *PHENETHYLAMINES, analysis/ RATS/ RESERPINE, pharmacodynamics/ *TRYPTAMINES, analysis/ *TYRAMINE, analysis

3002. **Philipson A:** Plasma and urine levels produced by an oral dose of ampicillin 0.5 G administered to women taking oral contraceptives. Acta Obstet Gynecol Scand 58(1):69-71, 1979
ADMINISTRATION, ORAL/ ADULT/ AMPICILLIN, administration & dosage/ *AMPICILLIN, metabolism/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ FEMALE/ HUMAN

3003. **Phillips AG, Mogenson GJ:** Brain-stimulation reward: current issues and future prospects. Can J Psychol 32(2):124-8, Jun 78
ADRENERGIC FIBERS, physiology/ ANIMAL/ *BRAIN, physiology/ DOPAMINE, physiology/ EXTRAPYRAMIDAL TRACTS, physiology/ *FUTUROLOGY/ HYPOTHALAMUS, physiology/ LIMBIC SYSTEM, physiology/ RATS/ REINFORCEMENT (PSYCHOLOGY)/ *SELF STIMULATION, physiology

3004. **Phillips HB, Owen-Jones S, Chandler B:** Quantitative histology of bone: a computerized method of measuring the total mineral content of bone. Calcif Tissue Res 26(1):85-9, 10 Nov 78
*BONE AND BONES, anatomy & histology/ BONE AND BONES, radiography/ DENSITOMETRY, X-RAY, methods/ HUMAN/ MANDIBLE, anatomy & histology

3005. **Philo R, Reiter RJ:** Characterization of pinealectomy induced convulsions in the Mongolian gerbil (Meriones unguiculatus). Epilepsia 19(5):485-92, Oct 78
AGE FACTORS/ ANIMAL/ CIRCADIAN RHYTHM/ *CONVULSIONS, etiology/ CONVULSIONS, physiopathology/ GANGLIA, AUTONOMIC, physiology/ GERBILS/ LIGHT/ MALE/ MELATONIN, pharmacodynamics/ PARATHYROID GLANDS, physiology/ PARATHYROID GLANDS, surgery/ *PINEAL BODY, surgery/ TAURINE, pharmacodynamics/ TISSUE EXTRACTS, pharmacodynamics

3006. **Piau JP, Fischer S, Delaunay JG, et al:** Maturation dependent decline of adenylate cyclase in rabbit red blood cell membranes. Biochim Biophys Acta 544(3):482-8, 18 Dec 78
*ADENYL CYCLASE, metabolism/ ANIMAL/ CATECHOLAMINES, pharmacodynamics/ CELL MEMBRANE, enzymology/ ENZYME ACTIVATION, drug effects/ *ERYTHROCYTE MEMBRANE, enzymology/ *ERYTHROCYTES, enzymology/ *ERYTHROPOIESIS/ GUANYLYL IMIDODIPHOSPHATE, pharmacodynamics/ KINETICS/ PROSTAGLANDINS E, pharmacodynamics/ RABBITS/ *RETICULOCYTES, enzymology

3007. **Pickering BT:** The neurosecretory neurone: a model system for the study of secretion. Essays Biochem 14:45-81, 1978 (143 ref.)
AMINO ACID SEQUENCE/ ANIMAL/ BIOLOGICAL TRANSPORT/ CELL MEMBRANE, metabolism/ ENDOCYTOSIS/ EXOCYTOSIS/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ KINETICS/ *NEURONS, physiology/ NEUROPHYSINS, physiology/ *NEUROSECRETION/ PITUITARY GLAND,

POSTERIOR, physiology/ PITUITARY HORMONES, POSTERIOR, physiology/ PROTEIN CONFORMATION/ RATS/ REVIEW

3008. **(Pickering BT),** Medal of the Society for Endocrinology. J Endocrinol 79(2):19P, Nov 78
CURRENT BIOG-OBIT/ ENDOCRINOLOGY/ ENGLAND

3009. **Pieri S, Pardini A, Pomponi B:** Nostra esperienza sull'impiego della desamino-ossitocina nell'induzione farmacologica del travaglio di parto. Riv Ital Ginecol 58(1-2):81-6, Jan-Apr 77 (Eng. Abstr.) **(Ita)**
ADULT/ DRUG EVALUATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LABOR, INDUCED/ OXYTOCICS, administration & dosage/ *OXYTOCICS, therapeutic use/ *OXYTOCIN, analogs & derivatives/ OXYTOCIN, therapeutic use/ PREGNANCY

3010. **Pietras RJ, Szego CM:** Metabolic and proliferative responses to estrogen by hepatocytes selected for plasma membrane binding-sites specific for estradiol-17beta. J Cell Physiol 98(1):145-59, Jan 79 (64 ref.)
ANIMAL/ CELL DIVISION, drug effects/ CELL MEMBRANE, metabolism/ CHOLESTEROL, metabolism/ DNA, metabolism/ ESTRADIOL, metabolism/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *LIVER, drug effects/ LIVER, metabolism/ NITROSAMINES, pharmacodynamics/ RATS/ *RECEPTORS, ESTROGEN, metabolism/ REVIEW/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3011. **Pilapil F, Studva KV, Zelski LM:** Programmed instruction: cancer care. Cancer chemotherapy: steroid hormones. Cancer Nurs 1(6):473-82, Dec 78
*ADRENAL CORTEX HORMONES, therapeutic use/ *ANDROGENS, therapeutic use/ *ESTROGENS, therapeutic use/ HUMAN/ *NEOPLASMS, drug therapy/ *PROGESTATIONAL HORMONES, SYNTHETIC, therapeutic use/ PROGRAMMED INSTRUCTION

3012. **Pilgrim C, Kaunzner W:** Autoradiographischer Nachweis einer metabolisch stabilen Kerneiweissfraktion nach Markierung mit 3H-Lysin. Acta Histochem [Suppl] (Jena) 14:167-72, 1975 **(Ger)**
ANIMAL/ AUTORADIOGRAPHY, methods/ CELL DIVISION/ CELL NUCLEUS, metabolism/ *HISTONES, metabolism/ *LYSINE, diagnostic use/ MALE/ *PITUITARY GLAND, POSTERIOR, metabolism/ RATS/ THYMIDINE, diagnostic use/ *TRITIUM, diagnostic use

3013. **Pilkis SJ, Park CR, Claus TH:** Hormonal control of hepatic gluconeogenesis. Vitam Horm 36:383-460, 1978 (423 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ BIOLOGICAL TRANSPORT/ CELL MEMBRANE, metabolism/ FRUCTOSEDIPHOSPHATES, metabolism/ FRUCTOSEPHOSPHATES, metabolism/ *GLUCONEOGENESIS/ GLUCOSE, metabolism/ GLUCOSEPHOSPHATES, metabolism/ *HORMONES, physiology/ IN VITRO/ *LIVER, metabolism/ MITOCHONDRIA, LIVER, metabolism/ PHOSPHOENOLPYRUVATE, metabolism/ PYRUVATE CARBOXYLASE, metabolism/ PYRUVATE DEHYDROGENASE COMPLEX, metabolism/ PYRUVATES, metabolism/ REVIEW

3014. **(Pimstone BL),** Bernard Laurence Pimstone. Lancet 1(8113):451, 24 Feb 79
CURRENT BIOG-OBIT/ ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ SOUTH AFRICA

3015. **Pinsky L:** The nosology of male pseudohermaphroditism due to androgen insensitivity. Birth Defects 14(6C):73-95, 1978 (88 ref.)
ADRENOGENITAL SYNDROME, diagnosis/ ADRENOGENITAL SYNDROME, familial & genetic/ ANDROGENS, genetics/ CELLS, CULTURED/ *GENITALIA, MALE, abnormalities/ GENITALIA, MALE, embryology/ HUMAN/ MALE/ NOMENCLATURE/ OXIDOREDUCTASES, deficiency/ *PSEUDOHERMAPHRODITISM/ PSEUDOHERMAPHRODITISM, classification/ PSEUDOHERMAPHRODITISM, familial & genetic/ RECEPTORS, ANDROGEN, genetics/ REVIEW/ SEX DIFFERENTIATION/ SKIN, enzymology/ TESTICULAR FEMINIZATION, diagnosis/ VARIATION (GENETICS)

3016. **Pioltelli P, Procaccio F, Invernizzi F, et al:** Correlations between anti-dsDNA antibodies, complement levels and clinical course in SLE patients treated with steroid pulse therapy. Boll Ist Sieroter Milan 57(4):485-9, 30 Sep 78
ADOLESCENCE/ ADULT/ *ANTIBODIES, analysis/ COMPLEMENT 3, analysis/ COMPLEMENT 4, analysis/ *COMPLEMENT, analysis/ *DNA, immunology/ FEMALE/ HUMAN/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ MALE/ METHYLPREDNISOLONE, administration & dosage/ *METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE

3017. **Piperberg JB:** Binding of steroids to the cytoplasmic receptor of the embryonic chick retina: kinetics and structural considerations. Arch Biochem Biophys 191(1):367-74, Nov 78
BINDING, COMPETITIVE/ CHICK EMBRYO/ *HYDROCORTISONE, metabolism/ KINETICS/ *RECEPTORS, GLUCOCORTICOID, metabolism/ *RECEPTORS, STEROID, metabolism/ *RETINA, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3018. **Pirke KM, Kockott G, Aldenhoff J, et al:** Pituitary gonadal system function in patients with erectile impotence and premature ejaculation. Arch Sex Behav 8(1):41-8, Jan 79
ADULT/ EJACULATION/ HUMAN/ *IMPOTENCE, blood/ *LH, blood/ MALE/ MIDDLE AGE/ *SEX DISORDERS, blood/ *TESTOSTERONE, blood

3019. **Pittet PG, Davie M, Lawson DE:** Role of nutrition in the development of osteomalacia in the elderly. Nutr Metab 23(2):109-16, 1979
AGE FACTORS/ AGED/ ALKALINE PHOSPHATASE, blood/ FEMALE/ HUMAN/ HYDROXYCHOLECALCIFEROLS, blood/ MALE/ *NUTRITION DISORDERS, complications/ *OSTEOMALACIA, etiology/ POSTGASTRECTOMY SYNDROMES, complications/ SUNLIGHT/ ULTRAVIOLET RAYS/ VITAMIN D DEFICIENCY, complications/ VITAMIN D, administration & dosage

3020. **Pivovarov VN, Rossel's AN, Kasatkina LV, et al:** Gormony pri ishemicheskoĭ bolezni serdtsa s nalichiem koronarnogo ateroskleroza. Kardiologiia 18(12):30-6, Dec 78 (Eng. Abstr.) **(Rus)**
ADRENAL CORTEX HORMONES, blood/ ADULT/ COMPARATIVE STUDY/ *CORONARY DISEASE, blood/ CORONARY DISEASE, etiology/ ENGLISH ABSTRACT/ *HORMONES, blood/ HUMAN/ MALE/ NEUROCIRCULATORY ASTHENIA, blood/ PITUITARY HORMONES, blood/ SEX HORMONES, blood/ THYROID HORMONES, blood

3021. **Pizzi WJ, Tabor JM, Barnhart JE:** Somatic, behavioral, and reproductive disturbances in mice following neonatal administration of sodium L-aspartate. Pharmacol Biochem Behav 9(4):481-5, Oct 78
ANIMAL/ *ANIMALS, NEWBORN, physiology/ *ASPARTIC ACID, pharmacodynamics/ *BEHAVIOR, ANIMAL, drug effects/ BODY WEIGHT, drug effects/ ENDOCRINE GLANDS, drug effects/ *GROWTH, drug effects/ MICE/ MICE, INBRED ICR/ ORGAN WEIGHT, drug effects/ *REPRODUCTION, drug effects

3022. **Planner RS, O'Sullivan EF, Campbell JJ, et al:** The hypercoagulable state and pulmonary embolism in patients with ovarian carcinoma. Aust NZ J Obstet Gynaecol 18(3):209-12, Aug 78
ADENOCARCINOMA, blood/ CARCINOMA, MUCINOUS, blood/ CYSTADENOCARCINOMA, blood/ ENDOMETRIOSIS, blood/ FEMALE/ HUMAN/ *OVARIAN NEOPLASMS, blood/ *PULMONARY EMBOLISM, etiology/ PULMONARY EMBOLISM, mortality/ *THROMBOCYTOSIS, etiology

3023. **Platzer S:** Lo stato attuale della endemia di gozzo in Alto Adige e la necessità della profilassi iodica. Minerva Med 69(60):4193-8, 8 Dec 78 **(Ita)**
*GOITER, ENDEMIC, occurrence/ GOITER,

ENDEMIC, prevention & control/ GOITER, ENDEMIC, urine/ HUMAN/ *IODINE, therapeutic use/ IODINE, urine/ ITALY/ LEGISLATION

3024. **Pledger WJ, Gardner RM, Epstein PM, et al:** Cell cycle traverse and macromolecular synthesis in BHK fibroblasts as affected by insulin. Exp Cell Res 118(2):389–95, Feb 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ BLOOD/ *CELL CYCLE, drug effects/ CELL LINE/ CULTURE MEDIA/ *DNA, biosynthesis/ ENZYME ACTIVATION, drug effects/ *INSULIN, pharmacodynamics/ KINETICS/ *PROTEINS, biosynthesis/ *RNA, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism

3025. **Plenderleith RW:** Induction of parturition in dairy heifers using prostaglandin F2alpha. Vet Rec 103(23):502–3, 2 Dec 78
ANIMAL/ CATTLE DISEASES, occurrence/ *CATTLE, physiology/ DYSTOCIA, veterinary/ FEMALE/ *LABOR, INDUCED, veterinary/ PLACENTA DISORDERS, veterinary/ PREGNANCY/ *PROSTAGLANDINS F, SYNTHETIC, pharmacodynamics/ PUERPERAL DISORDERS, veterinary

3026. **Plishker MF, Thorpe JM, Goldsmith LA:** Human epidermal transglutaminase: stimulation by trypsin, organic solvents, and chaotropic salts. Arch Biochem Biophys 191(1):49–58, Nov 78
ENZYME ACTIVATION/ GEL DIFFUSION TESTS/ *GLUTAMYL TRANSPEPTIDASE, metabolism/ HUMAN/ KINETICS/ OSMOLAR CONCENTRATION/ SALTS/ *SKIN, enzymology/ SOLVENTS/ THIOCYANATES, pharmacodynamics/ *TRYPSIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3027. **Ploth DW, Thomas CE, Roy RN, et al:** Ischemic acute renal failure in DOCA–salt–loaded and Goldblatt hypertensive rats. J Lab Clin Med 92(6):1009–18, Dec 78
ANIMAL/ COMPARATIVE STUDY/ DESOXYCORTICOSTERONE, pharmacodynamics/ HYPERTENSION, RENAL, complications/ *ISCHEMIA, complications/ KIDNEY FAILURE, ACUTE, enzymology/ *KIDNEY FAILURE, ACUTE, etiology/ KIDNEY, blood supply/ KIDNEY, enzymology/ RATS/ *RENIN, metabolism/ SODIUM CHLORIDE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3028. **Plunkett RP:** Effect of bilateral hippocampal lesions on cue utilization in the rat. Psychol Rep 43(3 Pt 1):863–6, Dec 78
AMYGDALOID BODY, physiology/ ANIMAL/ *CUES/ *DISCRIMINATION LEARNING, physiology/ *HIPPOCAMPUS, physiology/ MALE/ RATS

3029. **Podkul D, Zieleniewski J:** Przypadek 18-letniej chorej z gruczolakiem tarczycy o różnym obrazie scyntygraficznym. Wiad Lek 31(22):1625–8, 15 Nov 78 (Eng. Abstr.) **(Pol)**
ADENOMA, metabolism/ *ADENOMA, radionuclide imaging/ ADOLESCENCE/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IODINE RADIOISOTOPES/ TECHNETIUM, diagnostic use/ THYROID NEOPLASMS, metabolism/ *THYROID NEOPLASMS, radionuclide imaging

3030. **Podmore J, Ratcliffe JG:** Lipotrophin–, melanocyte–stimulating hormone– and adrenocorticotrophin–like peptides in human lung, breast and gastric tumours [proceedings]
J Endocrinol 79(2):65P–66P, Nov 78
BREAST NEOPLASMS, analysis/ *CORTICOTROPIN, analysis/ HUMAN/ *LIPOTROPIN, analysis/ LUNG NEOPLASMS, analysis/ *MSH, analysis/ *NEOPLASMS, analysis/ STOMACH NEOPLASMS, analysis

3031. **Podruschnjak EP, Nowochatzki AJ, Orlowa EW, et al:** Epidemiologie und Diagnostik der Osteoporose.
ZFA (Dresden) 33(3):279–83, 1978 **(Ger)**
ADULT/ AFRICA/ AGE FACTORS/ AGED/ BONE AND BONES, radiography/ BONE AND BONES, radionuclide imaging/ COMPARATIVE STUDY/ DENSITOMETRY, X-RAY/ EUROPE/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ NORTH AMERICA/ OSTEOPOROSIS, diagnosis/ *OSTEOPOROSIS, occurrence/ SEX FACTORS

3032. **Podvigina TT, Troshikhin GV:** Vliianie giperoksii v sochetanii s vvedeniem gidrokortizona na dykhanie mitokhondrii mozga krys. Vopr Med Khim 24(6):762–5, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
ADENOSINE DIPHOSPHATE, metabolism/ ANIMAL/ *CEREBRAL CORTEX, metabolism/ ENGLISH ABSTRACT/ *HYDROCORTISONE, therapeutic use/ *HYPERBARIC OXYGENATION, adverse effects/ MALE/ *MITOCHONDRIA, metabolism/ *OXYGEN CONSUMPTION/ RATS/ 11-HYDROXYCORTICOSTEROIDS, blood

3033. **Pohlschmidt L:** Tumor und Struma mit besonderer Berücksichtigung von Mammakarzinom und Struma.
Ther Ggw 118(2):256–70, Feb 79 **(Ger)**
BREAST NEOPLASMS, occurrence/ FEMALE/ GERMANY, WEST/ *GOITER, complications/ HUMAN/ MALE/ *NEOPLASMS, occurrence/ STATISTICS

3034. **Pohorecky LA, Newman B:** Alterations in the vascular compartment with acute ethanol treatment.
J Pharm Pharmacol 30(12):785–7, Dec 78
ADMINISTRATION, ORAL/ ADRENALECTOMY/ ALCOHOL, ETHYL, administration & dosage/ ALCOHOL, ETHYL, blood/ *ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL/ BLOOD VESSELS, metabolism/ *BODY FLUID COMPARTMENTS, drug effects/ *BODY FLUIDS, drug effects/ EVANS BLUE, diagnostic use/ HEMATOCRIT/ INJECTIONS, INTRAPERITONEAL/ MALE/ PERITONEAL FLUID, metabolism/ PROTEINS, metabolism/ RATS/ SPLENECTOMY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3035. **Pohto P:** Anti–inflammatoriska läkemedel och deras verkningsmekanism. Odontol Samf Finl Arsb :27–36, 1977 **(Swe)**
*ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ HUMAN/ INFLAMMATION, physiopathology/ PROSTAGLANDINS, physiology/ *STOMATITIS, drug therapy

3036. **Polacco V, Piccolomini A, Masin G, et al:** Effetti del proxazolo sulla distocia spastica del collo uterino. Riv Ital Ginecol 58(1–2):71–80, Jan–Apr 77 (Eng. Abstr.) **(Ita)**
ADULT/ BENZYL COMPOUNDS, pharmacodynamics/ *BENZYL COMPOUNDS, therapeutic use/ DRUG EVALUATION/ *DYSTOCIA, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *OXADIAZOLES, therapeutic use/ OXYTOCIN, pharmacodynamics/ PARASYMPATHOLYTICS, therapeutic use/ PREGNANCY/ PROSTAGLANDINS F, SYNTHETIC, pharmacodynamics/ *UTERINE CONTRACTION, drug effects

3037. **Polanco A, Herrmann HH, von Kaufmann F, et al:** Die Bestimmung des Ovulationszeitpunktes bei mit Gonadotropinen vorbehandelten präpuberalen Jungsauen. Zentralbl Veterinaermed [A] 25(8):608–16, Oct 78 (Eng. Abstr.) **(Ger)**
ANIMAL/ ENGLISH ABSTRACT/ FEMALE/ *GONADOTROPINS, pharmacodynamics/ *OVULATION, drug effects/ SEX MATURATION, drug effects/ SWINE

3038. **Poliak RI, Zviagintsev VI:** Reaktsiia shchitovidnoĭ zhelezy na rezektsiiu i polnoe udalenie podzheludochnoĭ zhelezy v éksperimente. Biull Eksp Biol Med 86(12):665–8, Dec 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ DOGS/ ENGLISH ABSTRACT/ HISTOCYTOCHEMISTRY/ MITOSIS/ PANCREAS, physiology/ *PANCREATECTOMY/ THYROID GLAND, anatomy & histology/ THYROID GLAND, metabolism/ *THYROID GLAND, physiology

3039. **Poliak H:** Spontanruptur eines Leberadenoms nach langjähriger Einnahme eines Antikonzeptivums. MMW 121(3):93–4, 19 Jan 79 (Eng. Abstr.) **(Ger)**
*ADENOMA, chemically induced/ ADULT/ CASE REPORT/ *CONTRACEPTIVES, ORAL, adverse effects/ ENGLISH ABSTRACT/ ETHINYL ESTRADIOL, adverse effects/ FEMALE/ HEMOPERITONEUM, etiology/ HUMAN/ *LIVER NEOPLASMS, chemically induced/ NORGESTREL, adverse effects/ RUPTURE, SPONTANEOUS

3040. **Pollard HB, Shindo H, Creutz CE, et al:** Internal pH and state of ATP in adrenergic chromaffin granules determined by

31P nuclear magnetic resonance spectroscopy.
J Biol Chem 254(4):1170–7, 25 Feb 79
*ADENOSINE TRIPHOSPHATE, metabolism/ *ADRENAL MEDULLA, metabolism/ ANIMAL/ CATTLE/ CELL FRACTIONATION/ *CHROMAFFIN GRANULES, metabolism/ CHROMAFFIN GRANULES, ultrastructure/ *CHROMAFFIN SYSTEM, metabolism/ HYDROGEN-ION CONCENTRATION/ INTRACELLULAR MEMBRANES, metabolism/ MOLECULAR CONFORMATION/ MOLECULAR MODELS/ NUCLEAR MAGNETIC RESONANCE

3041. **Polson JB, Krzanowski JJ, Goldman AL, et al:** Inhibition of human pulmonary phosphodiesterase activity by therapeutic levels of theophylline. Clin Exp Pharmacol Physiol 5(5):535–9, Sep–Oct 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADULT/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HUMAN/ LUNG, enzymology/ MALE/ *PHOSPHODIESTERASE INHIBITORS/ PHOSPHODIESTERASES, metabolism/ *THEOPHYLLINE, pharmacodynamics

3042. **Pometta D, Micheli H:** Influence de la contraception hormonale sur les lipoprotéines sériques. Schweiz Med Wochenschr 108(50):2012–5, 16 Dec 78 (Eng. Abstr.) **(Fre)**
ADULT/ AGE FACTORS/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LIPOPROTEINS, blood/ TRIGLYCERIDES, blood

3043. **Pongratz D, Scriba PC:** Muskelschwäche als Leit- und Warnsymptom bei Endokrinopathien.
Verh Dtsch Ges Inn Med (84):846–52, 1978 (35 ref.) **(Ger)**
ACROMEGALY, diagnosis/ ADDISON'S DISEASE, diagnosis/ CUSHING'S SYNDROME, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ ENDOCRINE DISEASES, complications/ *ENDOCRINE DISEASES, diagnosis/ HUMAN/ HYPERALDOSTERONISM, diagnosis/ HYPERPARATHYROIDISM, diagnosis/ HYPERTHYROIDISM, diagnosis/ *MUSCLE HYPOTONIA, etiology/ REVIEW

3044. **Ponomarenko IE:** Obstsess shchitovidnoĭ zhelezy, flegmona gortani, ėvustoronnaia abstsediruiushchaia pnevmoniia kak oslozhneniia grippa. Zh Ushn Nos Gorl Bolezn (6):92–3, Nov–Dec 78 **(Rus)**
ABSCESS, etiology/ ADULT/ CASE REPORT/ CELLULITIS, etiology/ HUMAN/ *INFLUENZA, complications/ LARYNGITIS, etiology/ LUNG ABSCESS, etiology/ MALE/ PNEUMONIA, etiology/ THYROIDITIS, etiology

3045. **Pont A, Yamaguchi LY, DeLada MG:** Cyclophosphamide treatment of diabetes insipidus in Wegener's granulomatosis [letter] N Engl J Med 300(5):259–60, 1 Feb 79
*CYCLOPHOSPHAMIDE, therapeutic use/ DIABETES INSIPIDUS, complications/ *DIABETES INSIPIDUS, drug therapy/ HUMAN/ REMISSION/ WEGENER'S GRANULOMATOSIS, complications/ *WEGENER'S GRANULOMATOSIS, drug therapy

3046. **Ponte C, Lequien P, Weill J, et al:** Les goitres du nouveau-né. Commentaires à propos de 10 observations. Lille Med 23(9):622–8, 1978 **(Fre)**
ASTHMA, drug therapy/ CASE REPORT/ FEMALE/ FETUS, drug effects/ *GOITER, congenital/ GOITER, diagnosis/ GOITER, etiology/ HUMAN/ INFANT, NEWBORN/ IODIDES, adverse effects/ MALE/ PREGNANCY COMPLICATIONS, drug therapy/ PREGNANCY

3047. **Ponzio F, Jonsson G:** A rapid and simple method for the determination of picogram levels of serotonin in brain tissue using liquid chromatography with electrochemical detection. J Neurochem 32(1):129–32, Jan 79
ANIMAL/ *BRAIN CHEMISTRY/ CEREBRAL CORTEX, drug effects/ CEREBRAL CORTEX, metabolism/ CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ MICE/ MICROCHEMISTRY/ PARGYLINE, pharmacodynamics/ RATS/ *SEROTONIN, analysis/ SEROTONIN, metabolism

3048. **Poole S, Stephenson JD:** Effects of noradrenaline and carbachol on temperature regulation of rats. Br J Pharmacol 65(1):43–51, Jan 79
ANIMAL/ *BODY TEMPERATURE REGULATION, drug effects/ CARBACHOL, administration & dosage/ *CARBACHOL, pharmacodynamics/ CARBON DIOXIDE, metabolism/ HYPOTHALAMUS/ INJECTIONS/ MALE/ MOTOR ACTIVITY, drug effects/ NOREPINEPHRINE, administration & dosage/ *NOREPINEPHRINE, pharmacodynamics/ RATS/ TIME FACTORS

3049. **Poole TR:** Mucinous cystadenomas of the ovary: analysis of cases at Charleston Area Medical Center, Memorial Division. W Va Med J 75(2):35–8, Feb 79
ADOLESCENCE/ ADULT/ AGED/ *CYSTADENOMA, MUCINOUS, occurrence/ CYSTADENOMA, MUCINOUS, pathology/ FEMALE/ HUMAN/ MIDDLE AGE/ *OVARIAN NEOPLASMS, occurrence/ OVARIAN NEOPLASMS, pathology/ PREGNANCY/ WEST VIRGINIA

3050. **Pope FM, Nicholls AC:** Molecular abnormalities of collagen. J Clin Pathol [Suppl] (12):95–104, 1978 (46 ref.)
ARACHNODACTYLY, metabolism/ *BONE DISEASES, DEVELOPMENTAL, metabolism/ *CARTILAGE DISEASES, metabolism/ CARTILAGE, abnormalities/ *COLLAGEN, metabolism/ *EHLERS-DANLOS SYNDROME, metabolism/ EHLERS-DANLOS SYNDROME, pathology/ HUMAN/ NEUROFIBROMATOSIS, metabolism/ OSTEOGENESIS IMPERFECTA, metabolism/ PROGERIA, metabolism/ PSEUDOXANTHOMA ELASTICUM, metabolism/ REVIEW

3051. **Popovtzer MM, Mehandru SK, Saghafi D, et al:** Antiphosphaturic action of 25 (OH) vitamin D3 in experimental Fanconi syndrome. Am J Physiol 236(2):E90–7, Feb 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ CALCITONIN, pharmacodynamics/ CALCIUM, pharmacodynamics/ *CHOLECALCIFEROLS, pharmacodynamics/ FANCONI SYNDROME, chemically induced/ *FANCONI SYNDROME, metabolism/ FEMALE/ *KIDNEY, metabolism/ MALATES, pharmacodynamics/ PARATHYROID HORMONE, pharmacodynamics/ PHOSPHATES, pharmacodynamics/ *PHOSPHORUS, metabolism/ RATS

3052. **Porenta M, Starčevič M, Faganel J, et al:** Subacute thyroxic myopathy. Radiobiol Radiother (Berl) 19(5):620–6, Oct 78
FEMALE/ HUMAN/ *HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, diagnosis/ MUSCULAR DISEASES, diagnosis/ *MUSCULAR DISEASES, etiology

3053. **Porias H, Carranco-López A, Sojo-Aranda I, et al:** Hormonal content of plasma and endometrium of women taking oral contraceptives. Obstet Gynecol 52(6):703–7, Dec 78
ADULT/ *BLOOD CHEMICAL ANALYSIS/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ *CONTRACEPTIVES, ORAL, SYNTHETIC, pharmacodynamics/ *ENDOMETRIUM, metabolism/ ENDOMETRIUM, physiology/ ESTROGENS, blood/ ESTROGENS, metabolism/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ FSH, blood/ HUMAN/ LH, blood/ MENSTRUATION/ NORGESTREL, pharmacodynamics/ OVULATION/ PREGNANCY/ PROGESTERONE, blood/ PROGESTERONE, metabolism/ RADIOIMMUNOASSAY

3054. **Porrazzi LC, Quarto F, De Gregorio A:** Malignant lymphoma, Burkitt's type: histologic report of two cases in Italy. Tumori 64(6):645–8, Nov–Dec 78
ADOLESCENCE/ *BURKITT'S LYMPHOMA, pathology/ CASE REPORT/ FEMALE/ HUMAN/ ITALY/ *OVARIAN NEOPLASMS, pathology

3055. **Porter RH, Doane HM, Cavallaro SA:** Temporal parameters of responsiveness to maternal pheromone in Acomys cahirinus. Physiol Behav 21(4):563–6, Oct 78
AGING/ ANIMAL/ *ANIMALS, physiology/ *ANIMALS, SUCKLING, physiology/ *BEHAVIOR, ANIMAL, physiology/ DEFECATION/ FEMALE/ *LACTATION/ MALE/ MICE/ *PHEROMONES, physiology/ PREGNANCY/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3056. **Poschel BP, Ninteman FW:** Model for Korsakoff-type amnesias: negative effects from the amygdala and mamillary body. Psychol Rep 43(3 Pt 1):767-70, Dec 78
*AMNESIA, physiopathology/ *AMYGDALOID BODY, physiology/ ANIMAL/ *DISCRIMINATION LEARNING, physiology/ ELECTRIC STIMULATION/ HIPPOCAMPUS, physiology/ *KORSAKOFF'S SYNDROME, physiopathology/ MALE/ *MAMMILLARY BODIES, physiology/ *MODELS, BIOLOGICAL/ RATS

3057. **Posen S, Clifton-Bligh P, Wilkinson M:** Paget's disease of bone and hyperparathyroidism: coincidence or causal relationship? Calcif Tissue Res 26(2):107-9, 8 Dec 78
ADULT/ AGED/ FEMALE/ HUMAN/ HYPERCALCEMIA, complications/ *HYPERPARATHYROIDISM, complications/ MALE/ MIDDLE AGE/ *OSTEITIS DEFORMANS, complications/ RETROSPECTIVE STUDIES

3058. **Poser JW, Price PA:** A method for decarboxylation of gamma-carboxyglutamic acid in proteins. Properties of the decarboxylated gamma-carboxyglutamic acid protein from calf bone. J Biol Chem 254(2):431-6, 25 Jan 79
AMINO ACIDS, analysis/ ANIMAL/ *BONE AND BONES, analysis/ CARBOXYLIC ACIDS, metabolism/ CATTLE/ CHEMISTRY/ *GLUTAMATES, analysis/ HEAT/ *PROTEINS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *1-CARBOXYGLUTAMIC ACID, analysis

3059. **Postnov IuV, Reznikova MB:** Nekotorye osobennosti adrenalinovogo lipoliza v zhirovoĭ tkani u krys so spontannoĭ i pochechnoĭ gipertoniei. Biull Eksp Biol Med 86(12):672-5, Dec 78 (Eng. Abstr.) **(Rus)**
*ADIPOSE TISSUE, metabolism/ ADRENALECTOMY/ ANIMAL/ ENGLISH ABSTRACT/ *EPINEPHRINE, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, biosynthesis/ GLYCERIN, biosynthesis/ *HYPERTENSION, metabolism/ HYPERTENSION, RENAL, metabolism/ IN VITRO/ *LIPIDS, metabolism/ MALE/ RATS

3060. **Postnov IuV, Orlov SN:** Narushenie vnutrikletochnogo raspredeleniia kal'tsiia v zhirovoĭ tkani krys so spontannoĭ geneticheskoĭ gipertoniei. Kardiologiia 18(12):91-4, Dec 78 (Eng. Abstr.) **(Rus)**
*ADIPOSE TISSUE, metabolism/ ADRENALECTOMY/ ANIMAL/ *BODY FLUIDS, metabolism/ *CALCIUM, metabolism/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HYPERTENSION, familial & genetic/ *HYPERTENSION, metabolism/ IN VITRO/ *INTRACELLULAR FLUID, metabolism/ KINETICS/ MALE/ RATS/ RATS, INBRED STRAINS/ TIME FACTORS

3061. **Potkin SG, Gillin JC, Rogol A, et al:** Baclofen: lack of effect on human plasma prolactin. Commun Psychopharmacol 2(4):297-300, 1978
*AMINOBUTYRIC ACIDS, pharmacodynamics/ *BACLOFEN, pharmacodynamics/ HUMAN/ MALE/ *PROLACTIN, blood/ SCHIZOPHRENIA, blood

3062. **Potter DE, Broyer M, Chantler C, et al:** Measurement of growth in children with renal insufficiency. Kidney Int 14(4):378-82, Oct 78 (16 ref.)
ANTHROPOMETRY/ ARM, physiopathology/ BODY HEIGHT/ BODY WEIGHT/ BONE AND BONES, physiopathology/ BONE DISEASES, radiography/ CEPHALOMETRY/ CHILD, PRESCHOOL/ HUMAN/ *KIDNEY DISEASES, physiopathology/ PUBERTY/ REVIEW/ SKINFOLD THICKNESS

3063. **Poulsen K, Nielsen AH, Lykkegaard S, et al:** Is high-molecular-weight-renin binding of renin to the protease inhibitors and lipoproteins? Clin Sci Mol Med 55 Suppl 4:125s-128s, Dec 78
ANIMAL/ BLOOD PROTEINS, metabolism/ KIDNEY, enzymology/ LIPOPROTEINS, metabolism/ MICE/ MOLECULAR WEIGHT/ PROTEASE INHIBITORS, blood/ PROTEASE INHIBITORS, metabolism/ PROTEIN BINDING/ *RENIN, blood/ SUBMANDIBULAR GLAND, enzymology

3064. **Pousette A, Snochowski M, Bression D, et al:** Partial characterization of [3H]methyltrienolone binding in rat prostate cytosol. Biochim Biophys Acta 582(2):358-67, 18 Jan 79
*ANDROGENS, SYNTHETIC, metabolism/ ANIMAL/ BINDING, COMPETITIVE/ CYTOSOL, metabolism/ *ESTRENES, metabolism/ IN VITRO/ KINETICS/ MALE/ *PROSTATE, metabolism/ RATS/ *RECEPTORS, ANDROGEN, metabolism/ *RECEPTORS, STEROID, metabolism/ STANOLONE, metabolism/ STEROIDS, metabolism

3065. **Poutasse EF, Stecker JF Jr, Ladaga LE, et al:** Malignant hypertension in children secondary to chronic pyelonephritis: laboratory and radiologic indications for partial or total nephrectomy. Trans Am Assoc Genitourin Surg 69:135-8, 1977
ADOLESCENCE/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ CHRONIC DISEASE/ FEMALE/ HUMAN/ HYPERTENSION, MALIGNANT, drug therapy/ HYPERTENSION, MALIGNANT, etiology/ *HYPERTENSION, MALIGNANT, surgery/ MALE/ METHYLDOPA, therapeutic use/ NEPHRECTOMY/ PROPRANOLOL, therapeutic use/ *PYELONEPHRITIS, complications/ PYELONEPHRITIS, pathology/ RENAL ARTERY, radiography/ RENIN, blood/ URINARY TRACT INFECTIONS, complications/ *VESICO-URETERAL REFLUX, complications

3066. **Powell-Jones W, Nayfeh SN, Lucier GW:** Translocation of 4S and 5S forms of estrogen-receptors into rat liver nuclei in vitro. Biochem Biophys Res Commun 85(1):167-73, 14 Nov 78
ANIMAL/ *CELL NUCLEUS, metabolism/ CYTOSOL, metabolism/ ESTRADIOL, metabolism/ FEMALE/ *LIVER, metabolism/ MOLECULAR WEIGHT/ ORGAN SPECIFICITY/ RATS/ *RECEPTORS, ESTROGEN, metabolism/ TEMPERATURE/ UTERUS, metabolism

3067. **Pragay DA, Korenyi-Both A:** Biochemical analysis of a lithopedion. Clin Chim Acta 91(1):103-10, 1 Jan 79
AGED/ BRAIN, enzymology/ *CALCINOSIS, metabolism/ CALCIUM, metabolism/ CHLORIDES, metabolism/ COMPARATIVE STUDY/ CREATINE KINASE, metabolism/ EGG SHELL, analysis/ FEMALE/ *FETUS, metabolism/ HUMAN/ ISOENZYMES, metabolism/ LACTATE DEHYDROGENASE ISOENZYMES, metabolism/ LIVER, enzymology/ MAGNESIUM, metabolism/ MUSCLES, enzymology/ PHOSPHORUS, metabolism/ POTASSIUM, metabolism/ PREGNANCY/ SODIUM, metabolism

3068. **Prando A, deSantos LA, Wallace S, et al:** Angiography in giant-cell bone tumors. Radiology 130(2):323-31, Feb 79
ADOLESCENCE/ ADULT/ ARTERIOVENOUS FISTULA, etiology/ ARTERIOVENOUS FISTULA, radiography/ BONE AND BONES, blood supply/ BONE AND BONES, pathology/ BONE NEOPLASMS, blood supply/ BONE NEOPLASMS, pathology/ *BONE NEOPLASMS, radiography/ CHILD/ FEMALE/ FEMORAL NEOPLASMS, blood supply/ FEMORAL NEOPLASMS, pathology/ FEMORAL NEOPLASMS, radiography/ FEMUR, blood supply/ FEMUR, pathology/ GIANT CELL TUMORS, blood supply/ GIANT CELL TUMORS, pathology/ *GIANT CELL TUMORS, radiography/ HUMAN/ MALE/ MIDDLE AGE

3069. **Prasad C, Matsui T, Williams J, et al:** Thermoregulation in rats: opposing effects of thyrotropin releasing hormone and its metabolite histidyl-proline diketopiperazine. Biochem Biophys Res Commun 85(4):1582-7, 29 Dec 78
ANIMAL/ *BODY TEMPERATURE REGULATION, drug effects/ BODY TEMPERATURE, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HYPOTHERMIA, chemically induced/ MALE/ *PEPTIDES, CYCLIC, pharmacodynamics/ *PIPERAZINES, pharmacodynamics/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics

3070. **Prasad GC, Hasan SS, Pandeya SN, et al:** Biogenic amine response to whole body irradiation. Prevention by APTH. Acta Radiol Oncol Radiat Phys Biol 17(6):510-6, 1978
ACETYLCHOLINE, biosynthesis/ ACETYLCHOLINE, blood/ ANIMAL/ *BIOGENIC AMINES, biosynthesis/ *BRAIN, metabolism/ BRAIN, radiation effects/ CATECHOLAMINES, biosynthesis/ CHOLINESTERASES, blood/ COBALT

RADIOISOTOPES/ HYPOTHALAMUS, radiation effects/ RADIATION DOSAGE/ RADIATION INJURIES, EXPERIMENTAL, drug therapy/ RADIATION INJURIES, EXPERIMENTAL, enzymology/ *RADIATION INJURIES, EXPERIMENTAL, metabolism/ *RADIATION-PROTECTIVE AGENTS, therapeutic use/ RATS/ SEROTONIN, biosynthesis/ *THIOCARBAMATES, therapeutic use

3071. **Prasad JS:** Leucocyte function in iron-deficiency anemia. Am J Clin Nutr 32(3):550-2, Mar 79
*ANEMIA, HYPOCHROMIC, immunology/ HUMAN/ HYDROGEN PEROXIDE, blood/ IODINE, metabolism/ *LEUKOCYTES, immunology/ MALE/ MYELOPEROXIDASE, metabolism

3072. **Pray RR:** Primary hypothyroidism: A case report. J Iowa Med Soc 69(2):47-50, Feb 79
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ HYPOTHYROIDISM, classification/ *HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, drug therapy

3073. **Preiksaitis HG, Kunos G:** Adrenoceptor-mediated activation of liver glycogen phosphorylase: effects of thyroid state. Life Sci 24(1):35-41, 1 Jan 79
ADRENERGIC ALPHA RECEPTOR AGONISTS, pharmacodynamics/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL/ ENZYME ACTIVATION, drug effects/ *GLYCOGEN PHOSPHORYLASE, metabolism/ IN VITRO/ LIVER GLYCOGEN/ *LIVER, enzymology/ MALE/ *PHOSPHORYLASE A, metabolism/ RATS/ RECEPTORS, ADRENERGIC, drug effects/ *RECEPTORS, ADRENERGIC, physiology/ *THYROID GLAND, physiology/ THYROIDECTOMY/ THYROXINE, pharmacodynamics

3074. **Preiss B, Tan L, Lehoux JG:** 3-Hydroxy-3-methylglutaryl coenzyme A reductase activity in beef adrenal cortex. Can J Biochem 56(10):958-62, Oct 78
*ADRENAL CORTEX, enzymology/ ANIMAL/ CATTLE/ *HYDROXYMETHYLGLUTARYL COA REDUCTASES, metabolism/ KINETICS/ MEVALONIC ACID, metabolism/ MICROSOMES, enzymology/ NADP, metabolism/ SUBCELLULAR FRACTIONS, enzymology

3075. **Prentice DA, Taylor SE, Newmark MZ, et al:** The effects of dexamethasone on histone phosphorylation in L cells. Biochem Biophys Res Commun 85(2):541-50, 29 Nov 78
CELL CYCLE, drug effects/ *DEXAMETHASONE, pharmacodynamics/ *HISTONES, metabolism/ L CELLS, drug effects/ *L CELLS, metabolism/ PHOSPHORYLATION

3076. **Prianishnikov VA:** A functional model of the structure of the epithelium of normal, hyperplastic and malignant human endometrium: a review. Gynecol Oncol 6(5):420-8, Oct 78 (38 ref.)
CELL DIVISION/ *ENDOMETRIUM, anatomy & histology/ ENDOMETRIUM, metabolism/ EPITHELIUM, cytology/ FEMALE/ HUMAN/ HYPERPLASIA/ *MODELS, BIOLOGICAL/ NEOPLASMS, HORMONE-DEPENDENT, metabolism/ *NEOPLASMS, HORMONE-DEPENDENT, pathology/ RECEPTORS, ESTROGEN/ RECEPTORS, PROGESTERONE/ REVIEW/ UTERINE NEOPLASMS, metabolism/ *UTERINE NEOPLASMS, pathology

3077. **Přibylová H, Stroufová A:** Hladiny plazmatického kortizolu, inzulínu a glykémie u diabetických matek a jejich novorozencu. Cesk Pediatr 33(10):601-2, Oct 78 (Eng. Abstr.) **(Cze)**
ADULT/ *BLOOD SUGAR, analysis/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ *INFANT, NEWBORN/ *INSULIN, blood/ MATERNAL-FETAL EXCHANGE/ *PREGNANCY IN DIABETES, blood

3078. **Prichard RW:** The need for new animal models-a philosphic approach. J Am Vet Med Assoc 173(9):1208-9, 1 Nov 78
ANIMAL/ ARTERIOSCLEROSIS/ *DISEASE MODELS, ANIMAL/ FEMALE/ GLUCOSE TOLERANCE TEST, veterinary/ MONKEY DISEASES/ MONKEYS/ OSTEOPOROSIS/ RABBITS/ REGISTRIES/ RHESUS MONKEYS/ SHEEP DISEASES/ SHEEP/ UNITED STATES FOOD AND DRUG ADMINISTRATION/ UNITED STATES NATIONAL INSTITUTES OF HEALTH/ UNITED STATES/ VETERINARY MEDICINE

3079. **Priestman T, Baum M, Jones V, et al:** Treatment and survival on advanced breast cancer. Br Med J 2(6153):1673-4, 16 Dec 78
ANTINEOPLASTIC AGENTS, therapeutic use/ BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, mortality/ *BREAST NEOPLASMS, therapy/ CASTRATION/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ FEMALE/ HORMONES, therapeutic use/ HUMAN/ REMISSION

3080. **Pringuey D, Giudicelli S, Tatossian A:** A propos du transsexualisme. Ann Med Psychol (Paris) 136(5):711-28, May 78 (Eng. Abstr.) **(Fre)**
ADULT/ CASE REPORT/ ENDOCRINE GLANDS, physiopathology/ ENGLISH ABSTRACT/ FAMILY/ FEMALE/ *GENDER IDENTITY/ HUMAN/ *IDENTIFICATION (PSYCHOLOGY)/ MALE/ PSYCHOPHYSIOLOGIC DISORDERS, psychology/ TRANSSEXUALISM, diagnosis/ TRANSSEXUALISM, etiology/ *TRANSSEXUALISM, psychology

3081. **Prinsley D:** Pitfalls in geriatric medicine. Aust Fam Physician 7(10):1317-23, Oct 78
AGED/ DIABETES MELLITUS, diagnosis/ DRUG THERAPY/ *GERIATRICS/ HUMAN/ MENTAL DISORDERS/ MYXEDEMA, drug therapy

3082. **Prokhonchukov AA, Zaĭtsev VP, Shakhunov BA, et al:** Vliianie kosmicheskogo poleta na soderzhanie natriia, medi, margantsa i magniia v kostiakh skeleta. Patol Fiziol Eksp Ter (6):65-70, Nov-Dec 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ *BONE AND BONES, analysis/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ RATS/ *SODIUM, analysis/ *SPACE FLIGHT/ *TRACE ELEMENTS, analysis

3083. **Proscia N:** Classificazione degli itteri da colestasi intraepatica e considerazioni eziopatogenetiche. Minerva Chir 33(22):1647-52, 30 Nov 78 **(Ita)**
BILE DUCTS, INTRAHEPATIC, abnormalities/ CHOLANGITIS, complications/ *CHOLESTASIS, classification/ CHOLESTASIS, etiology/ CHOLESTASIS, familial & genetic/ DWARFISM, complications/ HUMAN/ HYPERBILIRUBINEMIA, complications/ LIVER CIRRHOSIS, BILIARY, complications/ SYNDROME

3084. **Prosperi L, Bernasconi S, Cantarelli A, et al:** Traumatic hypopituitarism associated with bitemporal hemianopia in a prepuberal child. j Pediatr Opthalmol Strabismus 15(6):376-82, Nov-Dec 78
ADOLESCENCE/ CASE REPORT/ CHILD/ DIABETES INSIPIDUS, complications/ DIENCEPHALON, blood supply/ DIENCEPHALON, injuries/ EVOKED POTENTIALS/ HEMIANOPSIA, complications/ HEMIANOPSIA, diagnosis/ *HEMIANOPSIA, etiology/ HUMAN/ HYPOPITUITARISM, complications/ HYPOPITUITARISM, diagnosis/ *HYPOPITUITARISM, etiology/ MALE/ OPTIC CHIASM, blood supply/ OPTIC CHIASM, injuries/ PITUITARY FUNCTION TESTS/ *SKULL FRACTURES, complications/ VISUAL FIELDS

3085. **Prosperi L:** Congenital hereditary sex-linked retinoschisis. j Pediatr Opthalmol Strabismus 15(1):26-30, Jan-Feb 78
ADOLESCENCE/ ADULT/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ ELECTRORETINOGRAPHY/ FEMALE/ HETEROZYGOTE/ HOMOZYGOTE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ PEDIGREE/ RETINAL DEGENERATION, familial & genetic/ RETINAL DETACHMENT, congenital/ RETINAL DETACHMENT, diagnosis/ *RETINAL DETACHMENT, familial & genetic/ *SEX CHROMOSOMES/ STRABISMUS, complications/ VISION TESTS/ VISUAL FIELDS/ *X CHROMOSOME

3086. **Proudman JA, Wentworth BC:** Radioimmunoassay of turkey

growth hormone. Gen Comp Endocrinol 36(2):194–200, Oct 78
AGING/ ANIMAL/ CHICKENS/ DOSE-RESPONSE RELATIONSHIP, IMMUNOLOGIC/ HYPOPHYSECTOMY/ PITUITARY GLAND, analysis/ QUAIL/ RADIOIMMUNOASSAY, methods/ *SOMATOTROPIN, analysis/ SOMATOTROPIN, blood/ SPECIES SPECIFICITY/ TURKEYS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3087. **Proye C, Gregoire M, Declercq M, et al:** Appréciation du bénéfice urologique du traitement chirurgical de l'hyperparathyroïdie primaire. Ann Chir 32(7):329–33, Sep 78 (Eng. Abstr.) **(Fre)**
ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ HUMAN/ HYPERPARATHYROIDISM, complications/ *HYPERPARATHYROIDISM, surgery/ KIDNEY FAILURE, CHRONIC, etiology/ *KIDNEY FAILURE, CHRONIC, prevention & control/ PARATHYROID GLANDS, surgery/ URINARY CALCULI, etiology/ *URINARY CALCULI, prevention & control

3088. **Puca FM, Dammacco F, Rigillo N, et al:** Increzione somatotropinica ed EEG durante il sonno notturno dell' adulto normale dopo pimozide. Boll Soc Ital Biol Sper 54(5):460–5, 15 Mar 78 **(Ita)**
ADULT/ *ELECTROENCEPHALOGRAPHY/ HUMAN/ MALE/ *PIMOZIDE, pharmacodynamics/ SLEEP STAGES, drug effects/ *SLEEP, drug effects/ *SOMATOTROPIN, blood

3089. **Puchalska B, Nowak G:** Retrospektywna ocena wyników leczenia zarodkowych guzów jądra innych niż czyste nasieniaki. Nowotwory 28(4):413–20, Dec 78 (Eng. Abstr.) **(Pol)**
ADULT/ DIAGNOSIS, DIFFERENTIAL/ DYSGERMINOMA, diagnosis/ *DYSGERMINOMA, radiotherapy/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/ RADIOISOTOPE TELETHERAPY/ RADIOTHERAPY, HIGH ENERGY/ *TESTICULAR NEOPLASMS, radiotherapy

3090. **Puchalski Z:** Parametry wiązania kortyzolu z białkami osocza w przebiegu chirurgicznego leczenia wola nadczynnego. Pol Przegl Chir 50(9):761–4, Sep 78 (Eng. Abstr.) **(Pol)**
*BLOOD PROTEINS, metabolism/ ENGLISH ABSTRACT/ HUMAN/ *HYDROCORTISONE, blood/ HYPERTHYROIDISM, blood/ *HYPERTHYROIDISM, surgery/ PROTEIN BINDING

3091. **Puche RC, Faienza H, Valenti JL, et al:** On the nature of arterial and lung calcifications induced in cattle by Solanum glaucophyllum. Calcif Tissue Res 26(1):61–4, 10 Nov 78
ANIMAL/ AORTA, ABDOMINAL, pathology/ CALCINOSIS, chemically induced/ CALCINOSIS, pathology/ *CALCINOSIS, veterinary/ CALCIUM, metabolism/ *CATTLE DISEASES, chemically induced/ CATTLE DISEASES, pathology/ CATTLE/ *DIHYDROXYCHOLECALCIFEROLS/ *HYDROXYCHOLECALCIFEROLS/ LUNG DISEASES, pathology/ LUNG DISEASES, veterinary/ MAGNESIUM, metabolism/ PHOSPHATES, metabolism

3092. **Puglionisi A, Picciocchi A, Cina G, et al:** Prosthetic replacement of the superior vena cava after resection for malignant mediastinal tumour. J Cardiovasc Surg (Torino) 19(6):627–32, Nov-Dec 78
ADULT/ *BLOOD VESSEL PROSTHESIS/ CASE REPORT/ FEMALE/ HUMAN/ LUNG NEOPLASMS, pathology/ LUNG NEOPLASMS, surgery/ *MEDIASTINAL NEOPLASMS, pathology/ MEDIASTINAL NEOPLASMS, surgery/ NEOPLASM METASTASIS/ PNEUMONECTOMY/ *THYMUS NEOPLASMS, pathology/ THYMUS NEOPLASMS, surgery/ *VENA CAVA, SUPERIOR, surgery

3093. **Pugsley TA, Lippmann W:** Effect of metiamide, a histamine H2-receptor antagonist on the clonidine-induced decrease in rat brain noradrenaline turnover. J Pharm Pharmacol 31(1):51–2, Jan 79
ANIMAL/ BRAIN, drug effects/ *BRAIN, metabolism/ *CLONIDINE, pharmacodynamics/ DRUG INTERACTIONS/ FLA 63, pharmacodynamics/ MALE/ *METIAMIDE, pharmacodynamics/ *NOREPINEPHRINE, metabolism/ RATS/ *THIOUREA, analogs & derivatives

3094. **Pugsley TA, Lippmann W:** Effects of chlorine substituents on the benzene rings of an analogue of the antipsychotic drug butaclamol on the interaction with dopamine and muscarinic receptors in rat brain. J Pharm Pharmacol 31(1):47–9, Jan 79
ADENYL CYCLASE, metabolism/ ANIMAL/ *BRAIN, drug effects/ BUTACLAMOL, analogs & derivatives/ *BUTACLAMOL, pharmacodynamics/ CORPUS STRIATUM, enzymology/ *DIBENZOCYCLOHEPTENES, pharmacodynamics/ IN VITRO/ MALE/ RATS/ *RECEPTORS, CHOLINERGIC, drug effects/ *RECEPTORS, DOPAMINE, drug effects/ *RECEPTORS, MUSCARINIC, drug effects/ STRUCTURE-ACTIVITY RELATIONSHIP

3095. **Pullan PT, Johnston CI, Anderson WP, et al:** The role of vasopressin in blood pressure control and in experimental hypertension. Clin Sci Mol Med 55 Suppl 4:251s–254s, Dec 78
ANIMAL/ AUTONOMIC NERVOUS SYSTEM, drug effects/ *BLOOD PRESSURE/ DEHYDRATION, physiopathology/ DOGS/ HEMORRHAGE, physiopathology/ *HYPERTENSION, RENAL, physiopathology/ HYPERTENSION, RENOVASCULAR, blood/ *HYPERTENSION, RENOVASCULAR, physiopathology/ MALE/ *VASOPRESSINS, blood

3096. **Purohit VD, Basrur PK:** Effects of testosterone on the testes of sexually quiescent pheasants: evidence for a negative feedback mechanism. Br Poult Sci 19(6):709–12, Nov 78
ANIMAL/ *BIRDS, physiology/ FEEDBACK/ MALE/ ORGAN WEIGHT/ TESTIS, anatomy & histology/ *TESTIS, drug effects/ *TESTOSTERONE, pharmacodynamics

3097. **Purvis K, Hansson V:** Hormonal regulation of Leydig cell function. Mol Cell Endocrinol 12(2):123–38, Nov 78 (65 ref.)
ANDROGENS, pharmacodynamics/ ANIMAL/ ESTROGENS, pharmacodynamics/ FSH, pharmacodynamics/ GLUCOCORTICOIDS, pharmacodynamics/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *HORMONES, pharmacodynamics/ HYPOPHYSECTOMY/ LEYDIG CELLS, drug effects/ *LEYDIG CELLS, physiology/ LH, pharmacodynamics/ MALE/ PROLACTIN, pharmacodynamics/ RATS/ REVIEW/ SOMATOTROPIN, pharmacodynamics

3098. **Purvis K, Clausen OP, Brandtzaeg P, et al:** LH receptors and Leydig cell responsiveness to hCG in vitro. Arch Androl 1(4):299–310, Sep 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANDROGENS, metabolism/ ANIMAL/ FLUORESCENT ANTIBODY TECHNIC/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ *LEYDIG CELLS, metabolism/ *LH, metabolism/ MALE/ RATS/ *RECEPTORS, HORMONE, metabolism

3099. **Puschett JB, Kuhrman MS:** Renal tubular effects of 1,25-dihydroxy vitamin D3: interactions with vasopressin and parathyroid hormone in the vitamin D-depleted rat. J Lab Clin Med 92(6):895–903, Dec 78
ABSORPTION/ ANIMAL/ CALCIUM, metabolism/ *DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ FEMALE/ *HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ *KIDNEY TUBULES, drug effects/ *PARATHYROID HORMONE, pharmacodynamics/ PHOSPHATES, metabolism/ RATS/ SODIUM, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VASOPRESSINS, pharmacodynamics

3100. **Putney JW Jr, VanDeWalle CM, Leslie BA:** Receptor control of calcium influx in parotid acinar cells. Mol Pharmacol 14(6):1046–53, Nov 78
AMYLASES, metabolism/ ANIMAL/ *CALCIUM, metabolism/ CARBACHOL, pharmacodynamics/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ MALE/ PAROTID GLAND, cytology/ PAROTID GLAND, drug effects/ *PAROTID GLAND, metabolism/ POTASSIUM, metabolism/ RATS/ *RECEPTORS, ADRENERGIC, physiology/ RECEPTORS, ADRENERGIC, BETA, drug effects/ *RECEPTORS, ADRENERGIC, BETA, physiology/

SODIUM, metabolism/ SUBSTANCE P, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

Q

3101. **Qaqish AY, Besant CB, Haque AU:** Solid state track recorders in nuclear medicine. Int J Nucl Med Biol 5(6):261–5, 1978
ANIMAL/ BONE AND BONES, radiography/ BRAIN, radiography/ CELLULOSE/ *ELEMENTARY PARTICLES/ HUMAN/ METHYLENE BLUE/ *RADIOGRAPHY, instrumentation/ RODENTS/ *TECHNOLOGY, RADIOLOGIC, instrumentation/ X-RAYS

3102. **Qasba PK, Nakhasi HL:** alpha-Lactalbumin mRNA in 4-day lactating rat mammary gland. Proc Natl Acad Sci USA 75(10):4739–43, Oct 78
ANIMAL/ CASEIN, metabolism/ LACTALBUMIN, biosynthesis/ *LACTALBUMIN, genetics/ *LACTATION/ *MAMMAE, metabolism/ NUCLEIC ACID HYBRIDIZATION/ RATS/ *RNA, MESSENGER, isolation & purification

3103. **Quadri SK, Pierson C, Spies HG:** Effects of centrally acting drugs on serum prolactin levels in rhesus monkeys. Neuroendocrinology 27(3–4):136–47, 1978
*ANESTHETICS, pharmacodynamics/ ANIMAL/ COMPARATIVE STUDY/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HALOPERIDOL, pharmacodynamics/ HALOTHANE, pharmacodynamics/ IMMOBILIZATION/ KETAMINE, pharmacodynamics/ LIDOCAINE, pharmacodynamics/ MONKEYS/ PENTOBARBITAL, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ *PROLACTIN, blood/ PROPRANOLOL, pharmacodynamics/ RHESUS MONKEYS/ *SYMPATHOLYTICS, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3104. **Quagliarello J, Steinetz BG, Weiss G:** Relaxin secretion in early pregnancy. Obstet Gynecol 53(1):62–3, Jan 79
ANTIGENS/ FEMALE/ HUMAN/ PREGNANCY TESTS, IMMUNOLOGIC/ *PREGNANCY/ RELAXIN, immunology/ *RELAXIN, secretion

3105. **Quagliarello J, Weiss G:** Addition of estradiol benzoate to clomid in the management of clomid failures. Fertil Steril 31(2):224–5, Feb 79
ADULT/ *ANOVULATION, drug therapy/ *CLOMIPHENE, therapeutic use/ *ESTRADIOL, therapeutic use/ FEMALE/ HUMAN/ PREGNANCY/ *STERILITY, FEMALE, drug therapy

3106. **Quan SF, McCarthy TM, Mambourg RD, et al:** Ventricular tachycardia induced by pacemaker stimuli during late diastole. Occurrence with pheochromocytoma. Postgrad Med 65(1):247, 250–1, Jan 79
*ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, physiopathology/ ADRENALECTOMY/ BRADYCARDIA, etiology/ CASE REPORT/ CATECHOLAMINES, physiology/ FEMALE/ HEART VENTRICLE/ HEART, physiopathology/ HUMAN/ MIDDLE AGE/ MYOCARDITIS, etiology/ *PACEMAKER, ARTIFICIAL/ *PHEOCHROMOCYTOMA, complications/ PHEOCHROMOCYTOMA, physiopathology/ *TACHYCARDIA, etiology

3107. **Quarterman J, Humphries WR:** Effect of zinc deficiency and zinc supplementation on adrenals, plasma steroids and thymus in rats. Life Sci 24(2):177–83, 8 Jan 79
*ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ADRENALECTOMY/ ANIMAL/ BODY WEIGHT, drug effects/ CHOLESTEROL, metabolism/ MALE/ ORGAN WEIGHT, drug effects/ RATS/ *STEROIDS, blood/ *THYMUS GLAND, drug effects/ *ZINC, deficiency/ ZINC, pharmacodynamics/ 11-HYDROXYCORTICOSTEROIDS, metabolism

3108. **Quednau D, Garbrecht M, Stolzenbach G, et al:** Rebound-Phänomen nach additiver endokriner Therapie des metastasierenden Mammakarzinoms der Frau mit Athinylöstradiol. Häufigkeit und klinische Bedeutung. Dtsch Med Wochenschr 103(51):2029–32, 22 Dec 78 (Eng. Abstr.) **(Ger)**
*BREAST NEOPLASMS, drug therapy/ ENGLISH ABSTRACT/ *ETHINYL ESTRADIOL, therapeutic use/ FEMALE/ HUMAN/ MATHEMATICS/ MENOPAUSE/ MIDDLE AGE/ NEOPLASM METASTASIS/ RECEPTORS, ANDROGEN, analysis/ RECEPTORS, ESTROGEN, analysis/ REMISSION/ TIME FACTORS

3109. **Queille ML, Miravet L, Bordier P, et al:** The action of vitamin D metabolites (25 OHD3--12,5 (OH)2D3--24.25 (OH)2D3--25.26 (OH)2D3) on vitamin D deficient rats. Biomedicine 28(4):237–42, Jul-Aug 78
ANIMAL/ *BONE AND BONES, drug effects/ BONE AND BONES, metabolism/ BONE AND BONES, pathology/ CALCIFICATION, PHYSIOLOGIC, drug effects/ CALCIUM, metabolism/ COMPARATIVE STUDY/ *DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ *HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ OSTEOBLASTS, drug effects/ OSTEOCLASTS, drug effects/ PHOSPHORUS, metabolism/ RATS/ VITAMIN D DEFICIENCY, metabolism/ VITAMIN D DEFICIENCY, pathology/ *VITAMIN D DEFICIENCY, physiopathology

3110. **Quenzer L, Yahn D, Alkadhi K, et al:** Transmission blockade and stimulation of ganglionic adenylate cyclase by catecholamines. J Pharmacol Exp Ther 208(1):31–6, Jan 79
*ADENYL CYCLASE, metabolism/ ANIMAL/ *CATECHOLAMINES, pharmacodynamics/ DOPAMINE, pharmacodynamics/ *GANGLIA, SPINAL, drug effects/ GANGLIA, SPINAL, enzymology/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ MALE/ *NEURAL TRANSMISSION, drug effects/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PRACTOLOL, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3111. **Quilligan EJ:** Contraception after pregnancy. J Reprod Med 21(5 Suppl):250–1, Nov 78
*CONTRACEPTION/ CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ PREGNANCY/ STERILIZATION, TUBAL/ TIME FACTORS

3112. **Quock RM, Weick BG:** p-Chloroamphetamine-induced hyperthermia pharmacologically distinct from fenfluramine-induced hyperthermia. J Pharm Pharmacol 31(1):27–32, Jan 79
*P-CHLOROAMPHETAMINE, pharmacodynamics/ P-CHLOROPHENYLALANINE, pharmacodynamics/ *AMPHETAMINES, pharmacodynamics/ ANIMAL/ *BODY TEMPERATURE, drug effects/ BRAIN STEM, analysis/ CYPROHEPTADINE, pharmacodynamics/ *FENFLURAMINE, pharmacodynamics/ FLUOXETIN, pharmacodynamics/ HALOPERIDOL/ MALE/ METHERGOLINE, pharmacodynamics/ PHENIPRAZINE, pharmacodynamics/ RABBITS/ SEROTONIN, analysis/ TIME FACTORS/ 2-BROMOLYSERGIC ACID DIETHYLAMIDE, pharmacodynamics

R

3113. **Rabkin R, Share L, Payne PA, et al:** The handling of immunoreactive vasopressin by the isolated perfused rat kidney. J Clin Invest 63(1):6–13, Jan 79
ALBUMINS, metabolism/ ANIMAL/ *ARGIPRESSIN, metabolism/ ARGIPRESSIN, urine/ GLOMERULAR FILTRATION RATE/ IN VITRO/ KIDNEY TUBULES, metabolism/ *KIDNEY, metabolism/ MALE/ METABOLIC CLEARANCE RATE/ NATRIURESIS/ PERFUSION/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3114. **Raboch J, Mellan J:** Men with a distinct testicular hypoplasia: sexual development and activity. Andrologia 11(1):19–24, Jan 79
ADULT/ HUMAN/ MALE/ MARRIAGE/ *SEX BEHAVIOR/ *TESTIS, abnormalities

3115. **Rachinskiĭ ID:** Narushenie obmena melatonina u bol'nykh s khronicheskoĭ nedostatochnost'iu krovoobrashchcheniia. Kardiologiia 18(12):111–2, Dec 78 **(Rus)**
AGED/ ARRHYTHMIA, metabolism/ *CARDIOVASCULAR DISEASES, metabolism/

CHRONIC DISEASE/ CORONARY DISEASE, metabolism/ HUMAN/ HYPERTENSION, metabolism/ *MELATONIN, metabolism/ MIDDLE AGE

3116. **Rådegran K, Lahnborg G, Medén-Britth G:** Effects of surgery on platelets as evaluated by a 51chromium and 14C-serotonin double label technique. Thromb Res 13(5):865-70, Nov 78
ANIMAL/ *BLOOD PLATELETS, metabolism/ CARBON RADIOISOTOPES/ *CHOLECYSTECTOMY/ CHROMIUM RADIOISOTOPES/ DOGS/ *ISOTOPE LABELING/ *SEROTONIN, metabolism

3117. **Rader JI, Baylink DJ, Hughes MR, et al:** Calcium and phosphorus deficiency in rats: effects on PTH and 1,25-dihydroxyvitamin D3. Am J Physiol 236(2):E118-22, Feb 79
ANIMAL/ CALCIUM, blood/ *CALCIUM, deficiency/ DIET/ MALE/ *PARATHYROID HORMONE, blood/ PHOSPHORUS, blood/ *PHOSPHORUS, deficiency/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VITAMIN D, blood

3118. **Radev AI:** Vliaanie na progesterona vurkhu ekskretsiiata na natriia i kaliia i tiakhnoto nivo v bubrechnata tukan. Akush Ginekol (Sofiia) 17(6):405-11, 1978 (Eng. Abstr.) **(Bul)**
ANIMAL/ COMPARATIVE STUDY/ DIURESIS, drug effects/ ENGLISH ABSTRACT/ FEMALE/ *KIDNEY, drug effects/ KIDNEY, metabolism/ *NATRIURESIS, drug effects/ *POTASSIUM, urine/ *PROGESTERONE, pharmacodynamics/ RATS/ TIME FACTORS

3119. **Radharrishnan S, Sivaraman L, Natarajan PS:** True hermaphrodite with multiple gonadal neoplasms: report of a case with cytogenetic study. Cancer 42(6):2726-32, Dec 78
ADULT/ CASE REPORT/ CHROMOSOME ABERRATIONS/ *DYSGERMINOMA, complications/ DYSGERMINOMA, familial & genetic/ FEMALE/ *HERMAPHRODITISM, complications/ HERMAPHRODITISM, familial & genetic/ HUMAN/ MALE/ MOSAICISM/ *NEOPLASMS, MULTIPLE PRIMARY, complications/ NEOPLASMS, MULTIPLE PRIMARY, familial & genetic/ *OVARIAN NEOPLASMS, complications/ OVARIAN NEOPLASMS, familial & genetic/ *TESTICULAR NEOPLASMS, complications/ TESTICULAR NEOPLASMS, familial & genetic

3120. **Radtke HW, Erbes PM, Schippers E, et al:** Serum erythropoietin concentration in anephric patients. Nephron 22(4-6):361-5, 1978
ADOLESCENCE/ ADULT/ ANDROGENS, pharmacodynamics/ ANEMIA, etiology/ ANIMAL/ ERYTHROPOIETIN, biosynthesis/ *ERYTHROPOIETIN, blood/ FEMALE/ HEMATOCRIT/ HUMAN/ MALE/ MICE/ MIDDLE AGE/ *NEPHRECTOMY/ PREGNANCY/ TESTOSTERONE, pharmacodynamics

3121. **Radtke I, Angerstein W, König W, et al:** Die Strahlenbelastung der Gonaden bei Röntgenuntersuchungen des Magens. Radiol Diagn (Berl) 19(6):818-23, Dec 78 (Eng. Abstr.) **(Ger)**
ENGLISH ABSTRACT/ FEMALE/ *GONADS, radiation effects/ HUMAN/ MALE/ RADIATION DOSAGE/ *STOMACH, radiography

3122. **Raff MC, Abney E, Brockes JP, et al:** Schwann cell growth factors. Cell 15(3):813-22, Nov 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ BRAIN, physiology/ CATTLE/ *CELL DIVISION, drug effects/ CHOLERA TOXIN, pharmacodynamics/ *GROWTH SUBSTANCES, pharmacodynamics/ KIDNEY, physiology/ LIVER, physiology/ NEURONS, physiology/ *PITUITARY GLAND, physiology/ PITUITARY HORMONES, pharmacodynamics/ RATS/ *SCHWANN CELLS, cytology/ SCHWANN CELLS, metabolism

3123. **Rahamimoff R, Meiri H, Erulkar SD, et al:** Changes in transmitter release induced by ion-containing liposomes. Proc Natl Acad Sci USA 75(10):5214-6, Oct 78
*ACETYLCHOLINE, secretion/ CALCIUM, metabolism/ *IONS, metabolism/ *LIPOSOMES, metabolism/ *NEUROMUSCULAR JUNCTION, secretion/ POTASSIUM, metabolism/ SODIUM, metabolism

3124. **Raisz LG, Canalis EM, Dietrich JW, et al:** Hormonal regulation of bone formation. Recent Prog Horm Res 34:335-56, 1978 (46 ref.)
ANIMAL/ BONE RESORPTION, drug effects/ CARTILAGE, embryology/ COLLAGEN, biosynthesis/ GLUCOCORTICOIDS, SYNTHETIC, pharmacodynamics/ *HORMONES, physiology/ INSULIN, pharmacodynamics/ MODELS, BIOLOGICAL/ ORGAN CULTURE/ *OSTEOGENESIS/ OSTEOGENESIS, drug effects/ PARATHYROID HORMONE, pharmacodynamics/ PROSTAGLANDINS, SYNTHETIC, pharmacodynamics/ RATS/ REVIEW/ SOMATOMEDIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3125. **Raisz LG, Kream BE, Canalis EM:** Regulation of the synthesis of bone matrix in organ culture. pp. 39-45. In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.
ANIMAL/ *BONE AND BONES, physiology/ BONE RESORPTION, drug effects/ COLLAGEN, biosynthesis/ FETUS/ MONOGRAPH/ ORGAN CULTURE/ PARATHYROID HORMONE, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3126. **Raisz LG:** Clinical strategy in osteopenia [editorial] Hosp Pract 13(11):11-2, 21, Nov 78
*BONE DISEASES, diagnosis/ BONE DISEASES, drug therapy/ CALCITONIN, therapeutic use/ CALCIUM, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ FLUORIDES, therapeutic use/ HUMAN/ OSTEOMALACIA, diagnosis/ OSTEOMALACIA, drug therapy/ OSTEOPOROSIS, diagnosis/ OSTEOPOROSIS, drug therapy/ SEX HORMONES, therapeutic use/ VITAMIN D, therapeutic use

3127. **Raĭtsina SS, Kurnosov AV, Iarovaia IM, et al:** Ob autoimmunnoĭ prirode narusheniia spermatogeneza pri modelirovanii varikotsele na krysakh. Biull Eksp Biol Med 87(1):44-8, Jan 79 (Eng. Abstr.) **(Rus)**
ANIMAL/ AUTOANTIGENS/ *AUTOIMMUNE DISEASES, immunology/ ENGLISH ABSTRACT/ LYMPHOCYTE TRANSFORMATION/ MALE/ RATS/ *SPERMATOGENESIS/ SPERMATOZOA, immunology/ TESTIS, pathology/ *VARICOCELE, immunology/ VARICOCELE, pathology

3128. **Rajan R:** Female fertility status and clomiphene regulated ovulation for donor artificial insemination. J Indian Med Assoc 71(2):33-6, 16 Jul 78
ADULT/ *CLOMIPHENE, therapeutic use/ FEMALE/ *FERTILITY/ HUMAN/ *INSEMINATION, ARTIFICIAL/ *INSEMINATION, ARTIFICIAL, HETEROLOGOUS/ MALE/ *OVULATION INDUCTION/ PREGNANCY/ STERILITY, MALE

3129. **Raju U, Sklarew RJ, Post J, et al:** Steroid metabolism in human breast cancer cell lines. Steroids 32(5):669-80, Dec 78
ANDROSTENEDIONE, metabolism/ BIOTRANSFORMATION/ *BREAST NEOPLASMS, metabolism/ CELL LINE/ CHROMATOGRAPHY, GEL/ ESTRIOL, metabolism/ ETIOCHOLANOLONE, metabolism/ HUMAN/ HYDROLYSIS/ *STEROIDS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3130. **Ram CV:** Clinical applications of beta adrenergic blocking drugs: a growing spectrum. Heart Lung 8(1):116-23, Jan-Feb 79
ADRENERGIC BETA RECEPTOR BLOCKADERS, adverse effects/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ BLOOD PRESSURE, drug effects/ BRONCHIAL SPASM, chemically induced/ CARDIOVASCULAR DISEASES, drug therapy/ GLUCOSE, metabolism/ HUMAN/ HYPERTHYROIDISM, drug therapy/ MENTAL DISORDERS, chemically induced/ MIGRAINE, drug therapy/ TREMOR, drug therapy

3131. **Ramakrishnan S, Das C, Talwar GP:** Recognition of the beta-subunit of human chorionic gonadotropin and sub-determinants by target tissue receptors. Biochem J 176(2):599-602, 15 Nov 78

ANIMAL/ GONADOTROPINS, CHORIONIC, isolation & purification/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ IN VITRO/ LEYDIG CELLS, drug effects/ LEYDIG CELLS, metabolism/ MALE/ MICE/ PEPTIDE FRAGMENTS, pharmacodynamics/ *RECEPTORS, HORMONE, drug effects/ TESTOSTERONE, biosynthesis

3132. **Ramaley JA:** The development of the serum corticosterone rhythm in rats. Neuroendocrinology 27(3-4):97-108, 1978
AGE FACTORS/ ANIMAL/ CASTRATION/ *CORTICOSTERONE, blood/ FEMALE/ LIGHT/ MALE/ *OVARY, physiology/ *PERIODICITY/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3133. **Ramirez G:** Tratamiento sistémico del cáncer de la mama: quimioterapia y hormonoterapia. Rev Med Chil 106(10):801-8, Oct 78 (Eng. Abstr.) **(Spa)**
*ANTIBIOTICS, ANTINEOPLASTIC, therapeutic use/ *BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, radiotherapy/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ ESTROGENS, therapeutic use/ FEMALE/ *HORMONES, therapeutic use/ HUMAN/ IMMUNOTHERAPY

3134. **Rampini E, Rastelli A, Cardo P:** Comparative study of the vasoconstrictor activity of halopredone acetate in a modified McKenzie test. Eur J Clin Pharmacol 14(5):325-9, 18 Dec 78
BETAMETHASONE 17-VALERATE, pharmacodynamics/ COLOR/ COMPARATIVE STUDY/ FLUOCINOLONE ACETONIDE, pharmacodynamics/ *FLUPREDNISOLONE, analogs & derivatives/ FLUPREDNISOLONE, pharmacodynamics/ *GLUCOCORTICOIDS, TOPICAL, pharmacodynamics/ HUMAN/ HYDROCORTISONE, TOPICAL, pharmacodynamics/ REGIONAL BLOOD FLOW, drug effects/ SKIN, blood supply/ SKIN, drug effects/ TIME FACTORS/ *VASOCONSTRICTOR AGENTS

3135. **Ranft R:** Technische Probleme bei der Darstellung von Hormonen in der Prostata. Z Urol Nephrol 71(10):689-92, Oct 78 (Eng. Abstr.) **(Ger)**
AUTORADIOGRAPHY/ ENGLISH ABSTRACT/ HUMAN/ IN VITRO/ MALE/ *PROSTATIC NEOPLASMS, analysis/ RECEPTORS, ANDROGEN, analysis/ RECEPTORS, ESTROGEN, analysis/ *RECEPTORS, STEROID, analysis

3136. **Ranke M, Bierich JR, Moeller H, et al:** Veränderungen der TSH-Sekretion bei Kindern mit Strumen nach Kurzzeitbehandlung mit Kaliumjodid.
Dtsch Med Wochenschr 104(4):132-4, 26 Jan 79 (Eng. Abstr.) **(Ger)**
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEEDBACK/ FEMALE/ *GOITER, drug therapy/ HUMAN/ MALE/ POTASSIUM IODIDE, administration & dosage/ *POTASSIUM IODIDE, therapeutic use/ THYROTROPIN, blood/ *THYROTROPIN, secretion/ THYROXINE, blood/ TIME FACTORS

3137. **Ranta R, Altonen M:** A comparative study of gonial angle and growth of the lower third molar in cleft lip and palate. An orthopantomographical study.
Scand J Plast Reconstr Surg 12(3):273-8, 1978
ADOLESCENCE/ ADULT/ CHILD/ *CLEFT LIP, physiopathology/ CLEFT LIP, radiography/ *CLEFT PALATE, physiopathology/ CLEFT PALATE, radiography/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ MALE/ MANDIBLE, growth & development/ MANDIBLE, radiography/ *MOLAR, growth & development/ MOLAR, radiography/ PUBERTY/ RADIOGRAPHY, PANORAMIC/ TIME FACTORS

3138. **Rao CV, Harker CW:** Prostaglandin E and F2alpha receptors in bovine corpus luteum plasma membranes are two different macromolecular entities. Biochem Biophys Res Commun 85(3):1054-60, 14 Dec 78
ANIMAL/ CATTLE/ CELL MEMBRANE, metabolism/ COMPARATIVE STUDY/ *CORPUS LUTEUM, metabolism/ DEOXYCHOLIC ACID, pharmacodynamics/ FEMALE/ KINETICS/ MOLECULAR WEIGHT/ *PROSTAGLANDINS E, metabolism/ *PROSTAGLANDINS F, metabolism/ *RECEPTORS, HORMONE, metabolism/ RECEPTORS, PROSTAGLANDIN, isolation & purification/ *RECEPTORS, PROSTAGLANDIN, metabolism/ SUBSTRATE SPECIFICITY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3139. **Rao CV, Carman FR Jr, Gorman RR:** Prostaglandin E and F2alpha receptors in bovine corpora lutea: relative affinities of products of arachidonic acid metabolism by cyclo-oxygenase. Biochem Biophys Res Commun 85(1):125-30, 14 Nov 78
ANIMAL/ *ARACHIDONIC ACIDS, metabolism/ BINDING, COMPETITIVE/ CATTLE/ CELL MEMBRANE, metabolism/ *CORPUS LUTEUM, metabolism/ FEMALE/ *PROSTAGLANDIN SYNTHASE, metabolism/ *PROSTAGLANDINS E, metabolism/ *PROSTAGLANDINS F, metabolism/ *RECEPTORS, HORMONE, metabolism/ *RECEPTORS, PROSTAGLANDIN, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3140. **Rao SK, Aswathanarayana NV:** Karyological analysis of the Horsfield's shrew from peninsular India. J Hered 69(3):202-4, May-Jun 78
ANIMAL/ BONE MARROW, ultrastructure/ *CHROMOSOMES, ultrastructure/ EPITHELIUM, ultrastructure/ FEMALE/ KARYOTYPING/ MALE/ *SHREWS, genetics/ SPLEEN, ultrastructure/ TESTIS, ultrastructure

3141. **Rappelli A, Glorioso N, Tedde R, et al:** Effects of levodopa alone and in combination with dopa-decarboxylase inhibitors on plasma renin activity in patients with Parkinson's disease. J Neurol Neurosurg Psychiatry 41(10):915-8, Oct 78
ADULT/ AGED/ BENSERAZIDE, pharmacodynamics/ BENSERAZIDE, therapeutic use/ *DOPA DECARBOXYLASE, antagonists & inhibitors/ DRUG THERAPY, COMBINATION/ FUROSEMIDE, pharmacodynamics/ HUMAN/ HYPOTENSION, ORTHOSTATIC, etiology/ *LEVODOPA, pharmacodynamics/ LEVODOPA, therapeutic use/ METHYLDOPAHYDRAZINE, pharmacodynamics/ METHYLDOPAHYDRAZINE, therapeutic use/ MIDDLE AGE/ *PARKINSON DISEASE, blood/ PARKINSON DISEASE, drug therapy/ POSTURE/ *RENIN, blood

3142. **Rary JM, Cummings DK, Jones HW Jr, et al:** Cytogenetic and clinical notes on a girl with a 46,X,i(Yq) karyotype, H-Y antigen-negative, and a gonadoblastoma. Birth Defects 14(6C):97-107, 1978
CASE REPORT/ CHILD/ CHROMOSOME BANDING/ CHROMOSOMES, HUMAN, ultrastructure/ FEMALE/ *H-Y ANTIGEN/ HUMAN/ KARYOTYPING/ *OVARIAN NEOPLASMS, familial & genetic/ PHENOTYPE/ *SEX CHROMOSOME ABNORMALITIES/ *TERATOID TUMOR, familial & genetic/ Y CHROMOSOME

3143. **Rascol A, Guiraud-Chaumeil B, Laboucarie J, et al:** Utilisation du 5 hydroxytryptophane lévogyre dans les myoclonies post-anoxiques. Therapie 33(5):623-8, Sep-Oct 78 (Eng. Abstr.) **(Fre)**
ADULT/ ANOXIA, complications/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROXYTRYPTOPHAN, therapeutic use/ MALE/ *MYOCLONUS, drug therapy/ MYOCLONUS, etiology/ SEROTONIN, deficiency

3144. **Raskind M, Orenstein H, Weitzman RE:** Vasopressin in depression [letter] Lancet 1(8108):164, 20 Jan 79
*ARGIPRESSIN, blood/ *DEPRESSION, blood/ DEPRESSION, therapy/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MIDDLE AGE/ SHOCK THERAPY, ELECTRIC

3145. **Rass IT, Zaslavskaia RM, Zolotaia RD, et al:** Dinamika aktivnosti kory nadpochechnikov i soderzhaniia tirozina v krovi pri grippe. Ter Arkh 50(12):107-9, 1978 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ *ADRENAL CORTEX, physiopathology/ ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *INFLUENZA, physiopathology/ MALE/ MIDDLE AGE/ *TYROSINE, blood/ 11-HYDROXYCORTICOSTEROIDS, blood

3146. **Rathee S, Yadav T:** Lactation for delaying re-establishment

of menstruation and its possible role in family planning. J Indian Med Assoc 71(2):30–3, 16 Jul 78
ADOLESCENCE/ ADULT/ *FAMILY PLANNING/ FEMALE/ HUMAN/ INDIA/ *LACTATION/ *MENSTRUATION/ MIDDLE AGE/ PREGNANCY/ TIME FACTORS

3147. **Rathnam P, Saxena BB:** Studies on modification of tryptophan, methionine, tyrosine and arginine residues of human follicle-stimulating hormone and its subunits. Biochim Biophys Acta 576(1):81–7, 25 Jan 79
AMINO ACID SEQUENCE/ *ARGININE/ COMPARATIVE STUDY/ CYANOGEN BROMIDE/ *FSH/ GLYOXAL, analogs & derivatives/ HUMAN/ IODIDES/ IODOACETATES/ LH/ LH-FSH RELEASING HORMONE/ MACROMOLECULAR SYSTEMS/ *METHIONINE/ *TRYPTOPHAN/ *TYROSINE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3148. **Ratten GJ:** The use of drugs in pregnancy and labour. Aust Fam Physician 7(9):1118–9, 1122–3, 1125–6, Sep 78
ANALGESICS, therapeutic use/ ANESTHETICS/ ANTICONVULSANTS, therapeutic use/ ANTIEMETICS, therapeutic use/ ANTIHYPERTENSIVE AGENTS, therapeutic use/ DIET/ DIURETICS, therapeutic use/ *DRUG THERAPY, adverse effects/ FEMALE/ HUMAN/ HYPNOTICS AND SEDATIVES, therapeutic use/ INFANT, NEWBORN/ OXYTOCIN, therapeutic use/ *PREGNANCY COMPLICATIONS, drug therapy/ *PREGNANCY, drug effects/ TRANQUILIZING AGENTS, therapeutic use

3149. **Ratzmann KP, Gottschling HD:** Abnormal growth hormone response in obesity with normal carbohydrate tolerance and normal thyroid function. Endokrinologie 72(2):149–54, May 78
ADULT/ BLOOD SUGAR, metabolism/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYPOGLYCEMIA, physiopathology/ *INSULIN, diagnostic use/ MALE/ *OBESITY, physiopathology/ *SOMATOTROPIN, secretion/ *THYROID GLAND, physiology

3150. **Ratzmann L, Hartmann K, Pflugradt K, et al:** Veränderte Körperzusammensetzung durch vermehrten Ganzkörperfettgehalt bei experimentell-hypothyreoten Ratten. Endokrinologie 72(2):166–74, May 78 (Eng. Abstr.) **(Ger)**
ANIMAL/ *BODY COMPOSITION/ CHOLESTEROL, blood/ ENGLISH ABSTRACT/ HYPOTHYROIDISM, chemically induced/ *HYPOTHYROIDISM, physiopathology/ IODINE RADIOISOTOPES/ *LIPIDS, metabolism/ MALE/ METHIMAZOLE/ METHYLTHIOURACIL/ RATS

3151. **Raue F, Minne H, Streibl W, et al:** Die endokrine Diagnostik des medullären Schilddrüsencarcinoms. Verh Dtsch Ges Inn Med (84):591–4, 1978 **(Ger)**
ADULT/ *CALCITONIN, analysis/ CASE REPORT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *THYROID NEOPLASMS, diagnosis

3152. **Rauh W, Levine LS, Gottesdiener K, et al:** Mineralocorticoids, salt balance and blood pressure after prolonged ACTH administration in juvenile hypertension. Klin Wochenschr 56 Suppl 1:161–7, 1978
ADOLESCENCE/ ALDOSTERONE, blood/ ALDOSTERONE, urine/ *BLOOD PRESSURE, drug effects/ BODY WEIGHT, drug effects/ CHILD/ *CORTICOTROPIN, administration & dosage/ CORTICOTROPIN, pharmacodynamics/ CORTICOTROPIN, physiology/ HUMAN/ HYPERTENSION, blood/ HYPERTENSION, metabolism/ *HYPERTENSION, physiopathology/ PREGNANOLONE, blood/ RENIN, blood/ *SODIUM, metabolism

3153. **Rausch FD, Skinner GW:** Incidence and treatment of budding yeasts in canine otitis externa. Mod Vet Pract 59(12):914–5, Dec 78
ANIMAL/ *ANTIFUNGAL AGENTS, therapeutic use/ *CANDIDA, isolation & purification/ DOG DISEASES, drug therapy/ *DOG DISEASES, microbiology/ DOGS/ DRUG COMBINATIONS/ IODINE, therapeutic use/ *MALASSEZIA, isolation & purification/ MONILIASIS, drug therapy/ MONILIASIS, veterinary/ NEOMYCIN, therapeutic use/ NYSTATIN, therapeutic use/ OTITIS EXTERNA, drug therapy/ OTITIS EXTERNA, microbiology/ *OTITIS EXTERNA, veterinary/ POLOXALENE, therapeutic use/ THIOSTREPTON, therapeutic use/ TINEA VERSICOLOR, drug therapy/ TINEA VERSICOLOR, veterinary/ TRIAMCINOLONE, therapeutic use

3154. **Rawson JM, Dukelow WR:** Effects of intrafollicular administration of gonadotropins in two species of nonhuman primates using laparoscopy. J Med Primatol 7(4):223–7, 1978
ANIMAL/ *CYNOMOLGUS MONKEYS, physiology/ FEMALE/ FSH, pharmacodynamics/ *GONADOTROPINS, CHORIONIC, administration & dosage/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GRAAFIAN FOLLICLE, cytology/ GRAAFIAN FOLLICLE, drug effects/ INJECTIONS/ LAPAROTOMY, veterinary/ LH, pharmacodynamics/ *MACACA, physiology/ *MONKEYS, physiology/ *OVULATION INDUCTION, veterinary/ *SQUIRREL MONKEYS, physiology

3155. **Reader TA:** The effects of dopamine, noradrenaline and serotonin in the visual cortex of the cat. Experientia 34(12):1586–8, 15 Dec 78
ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ CATS/ DECEREBRATE STATE/ *DOPAMINE, pharmacodynamics/ DRUG INTERACTIONS/ EVOKED POTENTIALS, drug effects/ GABA, pharmacodynamics/ *NOREPINEPHRINE, pharmacodynamics/ *SEROTONIN, pharmacodynamics/ *VISUAL CORTEX, drug effects

3156. **Reader TA, Ferron A, Descarries L, et al:** Modulatory role for biogenic amines in the cerebral cortex. Microiontophoretic studies. Brain Res 160(2):217–29, 12 Jan 79
ACETYLCHOLINE, physiology/ ACTION POTENTIALS, drug effects/ ANIMAL/ BIOGENIC AMINES, administration & dosage/ *BIOGENIC AMINES, physiology/ CEREBRAL CORTEX, drug effects/ *CEREBRAL CORTEX, physiology/ DOPAMINE, physiology/ IONTOPHORESIS/ MALE/ NEURAL INHIBITION, drug effects/ NEURONS, drug effects/ NEURONS, physiology/ NOREPINEPHRINE, physiology/ RATS/ SEROTONIN, physiology

3157. **Reardon GE, Caldarella AM, Canalis E:** Determination of serum cortisol and 11-deoxycortisol by liquid chromatography. Clin Chem 25(1):122–6, Jan 79
CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ COMPARATIVE STUDY/ *CORTODOXONE, blood/ HUMAN/ *HYDROCORTISONE, blood/ HYPOPITUITARISM, blood/ METYRAPONE, diagnostic use/ RADIOIMMUNOASSAY, methods/ *17-HYDROXYCORTICOSTEROIDS, blood

3158. **Reaven GM:** Papel de la resistencia a la insulina en la patogenia de la diabetes mellitus. Medicina (B Aires) 38(5):577–86, Sep-Oct 78 (76 ref.) **(Spa)**
*DIABETES MELLITUS, etiology/ DIABETES MELLITUS, physiopathology/ GLUCAGON, physiology/ GLUCOSE, metabolism/ HUMAN/ HYPERGLYCEMIA, blood/ *INSULIN RESISTANCE/ *INSULIN, physiology/ INSULIN, secretion/ OBESITY, physiopathology/ RADIOIMMUNOASSAY/ RECEPTORS, INSULIN, physiology/ REVIEW/ SOMATOTROPIN, physiology

3159. **Rebière A, Dainat J:** Etude quantitative de la synaptogenèse sur le Péricaryon de la cellule de Purkinje. Influence des hormones thyroïdiennes et de la restriction de l'apport énergétique sur l'évolution des densités synaptiques. Acta Neuropathol (Berl) 45(2):117–28, 15 Feb 79 (Eng. Abstr.) **(Fre)**
AGE FACTORS/ ANIMAL/ AXONS, ultrastructure/ ENGLISH ABSTRACT/ *HYPERTHYROIDISM, pathology/ *HYPOTHYROIDISM, pathology/ MICROSCOPY, ELECTRON/ *NUTRITION/ *PURKINJE CELLS, ultrastructure/ RATS/ *SYNAPSES, ultrastructure

3160. **Recabarren SE, Wheaton JE:** Estradiol potentiation of hypothalamic uptake of LH-RH from the CSF. Neuroendocrinology 27(1–2):1–8, 1978
ANIMAL/ CASTRATION/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, metabolism/ LH, blood/ LH-FSH RELEASING HORMONE,

cerebrospinal fluid/ *LH-FSH RELEASING HORMONE, metabolism/ RATS

3161. **Rechlin R, Rossberg B, Reinschke P, et al:** Zur Problematik der Vergiftungen (Ingestionsunfälle) im Kindesalter. Z Aerztl Fortbild (Jena) 72(20):960–6, 15 Oct 78 (50 ref.) **(Ger)**
AFTER CARE/ ANTIBIOTICS, therapeutic use/ ANTIDOTES/ BURNS, CHEMICAL, drug therapy/ CHILD/ CHILD, PRESCHOOL/ DIAZEPAM, therapeutic use/ EXCHANGE TRANSFUSION/ GLUCOCORTICOIDS, therapeutic use/ HEMODIALYSIS/ HEMOPERFUSION/ HUMAN/ INFANT/ INFANT, NEWBORN/ PERITONEAL DIALYSIS/ *POISONING, therapy/ PREDNISOLONE, therapeutic use/ *RESUSCITATION, methods/ REVIEW/ SPASM, drug therapy

3162. **Redel J, Miravet L, Calando Y, et al:** The biological activity of 26-hydroxy-derivatives of cholecalciferol in vitamin D-deficient rats. FEBS Lett 96(1):216–8, 1 Dec 78
ANIMAL/ BONE AND BONES, metabolism/ *CALCIFICATION, PHYSIOLOGIC, drug effects/ CALCIUM, metabolism/ DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ *GASTROINTESTINAL MOTILITY, drug effects/ *HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ ISOMERISM/ MALE/ PHOSPHATES, blood/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ *VITAMIN D DEFICIENCY, metabolism

3163. **Redgate ES, Eleftheriou BE:** The effect of recaging into groups or into isolation on the pituitary adrenal response to immobilization of different age groups of C57BL/6J mice. Life Sci 23(25):2467–74, 18 Dec 78
*AGING/ ANIMAL/ CORTICOSTERONE, blood/ MALE/ MICE/ MICE, INBRED C57BL/ *PITUITARY-ADRENAL SYSTEM, metabolism/ RADIOIMMUNOASSAY/ *RESTRAINT, PHYSICAL/ *SOCIAL ENVIRONMENT/ *SOCIAL ISOLATION/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3164. **Redin VA:** Oslozhneniia pri mestnom primenenii kortikosteroidnykh gormonov. Ortop Travmatol Protez (11):47–51, Nov 78 (Eng. Abstr.) **(Rus)**
CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, adverse effects/ HYDROCORTISONE, therapeutic use/ INJECTIONS, INTRA-ARTICULAR/ *KNEE INJURIES, drug therapy/ KNEE JOINT, pathology/ MALE/ NECROSIS

3165. **Reed MJ, Hutton JD, Baxendale PM, et al:** Plasma hormone levels and the conversion of androstenedione to oestrone in women with endometrial cancer [proceedings] J Endocrinol 79(2):54P–55P, Nov 78
ADULT/ *ANDROSTENEDIONE, blood/ *ESTRONE, blood/ FEMALE/ HUMAN/ TESTOSTERONE, blood/ *UTERINE NEOPLASMS, blood

3166. **Reeves JD, Huffer WE, August CS, et al:** The hematopoietic effects of prednisone therapy in four infants with osteopetrosis. J Pediatr 94(2):210–4, Feb 79
*HEMATOPOIESIS, drug effects/ HUMAN/ INFANT/ LIVER, drug effects/ MALE/ *OSTEOPETROSIS, drug therapy/ OSTEOPETROSIS, physiopathology/ PREDNISONE, administration & dosage/ *PREDNISONE, pharmacodynamics/ PREDNISONE, therapeutic use/ SPLEEN, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3167. **Regal DS:** Einfluss von Proscillaridin auf Adenosintriphosphatasen im Nierengewebe von Ratten. Elektronenoptischer Nachweis und Bedeutung für den Kalziumstoffwechsel. Zentralbl Veterinaermed [A] 25(9):704–17, Nov 78 (Eng. Abstr.) **(Ger)**
*ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL/ *BUFANOLIDES, pharmacodynamics/ *CALCIUM, metabolism/ ENGLISH ABSTRACT/ KIDNEY, drug effects/ *KIDNEY, enzymology/ KIDNEY, ultrastructure/ MICROSCOPY, ELECTRON/ *PROSCILLARIDIN, pharmacodynamics/ RATS

3168. **Regelson W:** Future direction of synthetic polyanions (pyran copolymer). Cancer Treat Rep 62(11):1853–6, Nov 78 (25 ref.)
ANIMAL/ ANTI-INFLAMMATORY AGENTS/ ANTICOAGULANTS/ CALCIUM, metabolism/ ENZYME INDUCTION, drug effects/ ENZYME INHIBITORS/ IMMUNITY, drug effects/ MACROPHAGES, drug effects/ MICE/ MOLECULAR WEIGHT/ NEOPLASMS, EXPERIMENTAL, drug therapy/ *POLYMERS, pharmacodynamics/ *PYRAN COPOLYMER, pharmacodynamics/ RESEARCH DESIGN/ REVIEW/ SPLENOMEGALY, chemically induced

3169. **Reger SN:** Selected hearing impairment associated with pinealoma. Ann Otol Rhinol Laryngol 87(6 Pt 1):834–6, Nov-Dec 78
ADULT/ AUDIOMETRY/ *BRAIN NEOPLASMS, complications/ BRAIN NEOPLASMS, surgery/ CASE REPORT/ FOLLOW-UP STUDIES/ HEARING DISORDERS, diagnosis/ *HEARING DISORDERS, etiology/ HEARING DISORDERS, rehabilitation/ HUMAN/ MALE/ *PINEALOMA, complications/ PINEALOMA, surgery/ POSTOPERATIVE CARE/ RADIOTHERAPY DOSAGE/ SPEECH DISCRIMINATION TESTS/ *SPEECH PERCEPTION, physiology

3170. **Rehnig A, Schuster G:** Die strukturabhängige Wirkung substituierter Thioharnstoffe auf den RNA-Phagen M 12. Zentralbl Bakteriol [Naturwiss] 133(6):528–32, 1978 (Eng. Abstr.) **(Ger)**
*COLIPHAGES, drug effects/ ENGLISH ABSTRACT/ MOLECULAR CONFORMATION/ THIOUREA, analogs & derivatives/ *THIOUREA, pharmacodynamics

3171. **Reichlin S:** The prolactinoma problem [editorial] N Engl J Med 300(6):313–5, 8 Feb 79
ADENOMA, chemically induced/ *ADENOMA, drug therapy/ ADENOMA, secretion/ ADOLESCENCE/ ADULT/ AMENORRHEA, etiology/ ANIMAL/ CONTRACEPTIVES, ORAL, adverse effects/ ESTROGENS, adverse effects/ FEMALE/ GALACTORRHEA, etiology/ HUMAN/ PITUITARY NEOPLASMS, chemically induced/ *PITUITARY NEOPLASMS, drug therapy/ PITUITARY NEOPLASMS, secretion/ PREGNANCY/ PROLACTIN, blood/ *PROLACTIN, secretion/ RATS/ 2-BROMOERGOCRYPTINE, adverse effects/ *2-BROMOERGOCRYPTINE, therapeutic use

3172. **Reinberg A, Vieux N, Ghata J, et al:** Is the rhythm amplitude related to the ability to phase-shift circadian rhythms of shift-workers? J Physiol (Paris) 74(4):405–9, 1978
AGE FACTORS/ *BODY TEMPERATURE REGULATION/ *CIRCADIAN RHYTHM/ HUMAN/ MALE/ OCCUPATIONAL MEDICINE/ PEAK EXPIRATORY FLOW RATE/ *RESPIRATION/ *17-HYDROXYCORTICOSTEROIDS, urine

3173. **Reinharez D:** Les mensonges du placebo. Phlebologie 31(4):313–20, Oct-Dec 78 (Eng. Abstr.) **(Fre)**
CLINICAL RESEARCH/ DIAGNOSTIC ERRORS/ *DOUBLE-BLIND METHOD/ DRUG EVALUATION/ ENGLISH ABSTRACT/ ENVIRONMENT/ HORMONES/ HUMAN/ *PLACEBOS/ *RESEARCH DESIGN/ TIME FACTORS

3174. **Reinwein D:** Konservative Therapie anderer Hyperthyreoseformen (Indikation und Taktik). Langenbecks Arch Chir 347:145–50, Nov 78 (Eng. Abstr.) **(Ger)**
*ADENOMA, therapy/ ENGLISH ABSTRACT/ *GOITER, NODULAR, therapy/ HUMAN/ HYPERTHYROIDISM, chemically induced/ *HYPERTHYROIDISM, therapy/ IODINE, adverse effects/ *THYROID NEOPLASMS, therapy

3175. **Reitamo S, Klockars M, Adinolfi M, et al:** Human lysozyme (origin and distribution in health and disease). Ric Clin Lab 8(4):211–31, Oct-Dec 78 (150 ref.)
ANIMAL/ BREAST, enzymology/ CARTILAGE, enzymology/ COMPARATIVE STUDY/ EAR, MIDDLE, enzymology/ EXOCRINE GLANDS, enzymology/ FEMALE/ FETUS, enzymology/ GRANULOCYTES, enzymology/ HISTOCYTOCHEMISTRY/ HUMAN/

IMMUNOENZYME TECHNICS/ INFLAMMATION, enzymology/ INTESTINAL MUCOSA, enzymology/ KIDNEY, enzymology/ LACTATION/ MALE/ MONOCYTES, enzymology/ MURAMIDASE, biosynthesis/ *MURAMIDASE, metabolism/ MYELOPROLIFERATIVE DISORDERS, enzymology/ NEOPLASMS, enzymology/ RESPIRATORY SYSTEM, enzymology/ REVIEW/ SALIVARY GLANDS, enzymology/ SEMEN, enzymology/ SKIN, enzymology/ STOMACH, enzymology

3176. **Reiter S, Oigaard A:** The unusual case: persistence of metaphyseal changes in penicillin treated congenital syphilis. Pediatr Radiol 7(4):229–31, 4 Dec 78
BONE AND BONES, radiography/ *BONE DISEASES, etiology/ BONE DISEASES, radiography/ CASE REPORT/ CHILD/ HUMAN/ MALE/ PENICILLINS, therapeutic use/ *SYPHILIS, CONGENITAL, complications/ SYPHILIS, CONGENITAL, drug therapy/ SYPHILIS, CONGENITAL, radiography/ TIME FACTORS

3177. **Reith EJ, Boyde A:** The enamel organ, a control gate for calcium influx into the enamel. J Dent Res 58 Spec No 8:980, Mar 79
AMELOBLASTS, metabolism/ ANIMAL/ *CALCIUM, metabolism/ *DENTAL ENAMEL, metabolism/ *ENAMEL ORGAN, metabolism/ ODONTOBLASTS, metabolism/ RATS/ *TOOTH GERM, metabolism

3178. **Remuzzi G, Livio M, Cavenaghi AE, et al:** Unbalanced prostaglandin synthesis and plasma factors in uraemic bleeding. A hypothesis. Thromb Res 13(3):531–6, Sep 78
*BLOOD PLATELETS, metabolism/ *HEMORRHAGE, etiology/ HUMAN/ KIDNEY FAILURE, CHRONIC, blood/ PROSTAGLANDINS X, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ *UREMIA, blood/ UREMIA, complications/ UREMIA, metabolism

3179. **Remuzzi G, Bertani T, Livio M, et al:** Vascular factors in the pathogenesis of uraemic bleeding.
Proc Eur Dial Transplant Assoc 15:449–55, 1978
ADULT/ AGED/ BLOOD VESSELS, metabolism/ *BLOOD VESSELS, physiopathology/ *FACTOR VIII, metabolism/ FEMALE/ HEMORRHAGE, etiology/ *HEMORRHAGE, physiopathology/ HEMOSTASIS/ HUMAN/ MALE/ MIDDLE AGE/ *PLASMINOGEN ACTIVATORS, metabolism/ *PROSTAGLANDINS X, metabolism/ *PROSTAGLANDINS, metabolism/ UREMIA, complications/ UREMIA, metabolism/ *UREMIA, physiopathology

3180. **Renaud B, Fournière S, Denoroy L, et al:** Early increase in phenylethanolamine-N-methyltransferase activity in a new strain of spontaneously hypertensive rats. Brain Res 159(1):149–59, 22 Dec 78
ADRENAL GLANDS, enzymology/ AGE FACTORS/ ANIMAL/ BLOOD PRESSURE/ BODY WEIGHT/ BRAIN, enzymology/ CERVICAL PLEXUS, enzymology/ DISEASE MODELS, ANIMAL/ *HYPERTENSION, enzymology/ MALE/ *PHENETHANOLAMINE N-METHYLTRANSFERASE, metabolism/ RATS/ TYROSINE HYDROXYLASE, metabolism

3181. **Rendina GM, Donadio C, Rutigliano A:** Clinica e studio ormonale delle sindromi di amenorrea-galattorrea (S.A.G.). Riv Ital Ginecol 58(1–2):45–69, Jan–Apr 77 (Eng. Abstr.) **(Ita)**
ADULT/ *AMENORRHEA, diagnosis/ AMENORRHEA, drug therapy/ AMENORRHEA, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ *GALACTORRHEA, diagnosis/ GALACTORRHEA, drug therapy/ GALACTORRHEA, physiopathology/ HUMAN/ *LACTATION DISORDERS, diagnosis/ *PITUITARY NEOPLASMS, complications/ *PROLACTIN, secretion

3182. **Renegar RH, Hafs HD, Britt JH, et al:** Luteolysis, growth hormone, glucocorticoids, prolactin and milk production in lactating dairy cows given prostaglandin F2alpha.
J Anim Sci 47(2):532–7, Aug 78
ANIMAL/ *CATTLE, physiology/ *CORPUS LUTEUM, drug effects/ ESTRUS/ FEMALE/ *GLUCOCORTICOIDS, blood/ *LACTATION/ LH, blood/ PREGNANCY/ PROGESTERONE, blood/ *PROLACTIN, blood/ *PROSTAGLANDINS F, pharmacodynamics/ *SOMATOTROPIN, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3183. **Resnick D:** Abnormalities of bone and soft tissue following renal transplantation. Semin Roentgenol 13(4):329–40, Oct 78
*BONE AND BONES, radiography/ CALCINOSIS, radiography/ HUMAN/ HYPERPARATHYROIDISM, radiography/ *KIDNEY, transplantation/ OSTEOMALACIA, radiography/ OSTEOPOROSIS, radiography/ OSTEOSCLEROSIS, radiography/ PERIOSTITIS, radiography/ *POSTOPERATIVE COMPLICATIONS/ *RENAL OSTEODYSTROPHY, complications/ RENAL OSTEODYSTROPHY, radiography/ RICKETS, radiography

3184. **Resnik R:** Maternal diseases associated with abnormal fetal growth. J Reprod Med 21(5):315–8, Nov 78
CARDIAC VOLUME/ FEMALE/ *FETAL GROWTH RETARDATION, etiology/ FETAL GROWTH RETARDATION, physiopathology/ HEART DEFECTS, CONGENITAL, complications/ HEMOGLOBINOPATHIES, complications/ HUMAN/ HYPERTENSION, complications/ PLACENTA DISORDERS, complications/ PLACENTA PRAEVIA, complications/ PRE-ECLAMPSIA, complications/ *PREGNANCY COMPLICATIONS/ PREGNANCY COMPLICATIONS, physiopathology/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, complications/ PREGNANCY COMPLICATIONS, HEMATOLOGIC, complications/ PREGNANCY

3185. **Resnik R, Robinson PT, Lasley B, et al:** Intrauterine fetal demise associated with consumption coagulopathy in a Douc langur monkey (Pygathrix nemaeus nemaeus).
J Med Primatol 7(4):249–53, 1978
ANIMAL/ CASE REPORT/ DISSEMINATED INTRAVASCULAR COAGULATION, diagnosis/ *DISSEMINATED INTRAVASCULAR COAGULATION, veterinary/ ESTROGENS, urine/ FEMALE/ FETAL DEATH, diagnosis/ *FETAL DEATH, veterinary/ FETAL MONITORING, veterinary/ MONKEYS/ PREGNANCY COMPLICATIONS, HEMATOLOGIC, diagnosis/ *PREGNANCY COMPLICATIONS, HEMATOLOGIC, veterinary/ PREGNANCY

3186. **Rettig R, Speck G, Simon W, et al:** In vivo enzyme activity of purified human brain renin. Klin Wochenschr 56 Suppl 1:43–5, 1978
ANGIOTENSIN I, biosynthesis/ *ANGIOTENSIN II, physiology/ *ANGIOTENSINOGEN, cerebrospinal fluid/ *ANGIOTENSINS, cerebrospinal fluid/ ANIMAL/ BLOOD PRESSURE, drug effects/ *BRAIN, enzymology/ CATHEPSINS, pharmacodynamics/ HUMAN/ INJECTIONS, INTRAVENTRICULAR/ MALE/ RATS/ RENIN, isolation & purification/ *RENIN, metabolism/ RENIN, physiology

3187. **Rettkowski W, Mentz P, Förster W:** The effects of various prostaglandins on the heart damaged by calcium deficiency and verapamil application. Acta Biol Med Ger 37(5–6):815–6, 1976
ANIMAL/ *CALCIUM, pharmacodynamics/ GUINEA PIGS/ HEART, drug effects/ *HEART, physiology/ *IPROVERATRIL, pharmacodynamics/ MYOCARDIAL CONTRACTION, drug effects/ PROSTAGLANDINS A, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics

3188. **Rettkowski W, Mentz P, Förster W:** Interactions of verapamil and prostaglandins F2alpha, D2, I2, A1 and E1 in isolated hearts and coronary preparations. Acta Biol Med Ger 37(5–6):807–9, 1976
ANIMAL/ CORONARY VESSELS, drug effects/ *CORONARY VESSELS, physiology/ GUINEA PIGS/ HEART RATE, drug effects/ HEART, drug effects/ *HEART, physiology/ *IPROVERATRIL, pharmacodynamics/ *MYOCARDIAL CONTRACTION, drug effects/ PROSTAGLANDINS A, pharmacodynamics/ PROSTAGLANDINS D, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ PROSTAGLANDINS X,

pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ SWINE

3189. **Reuber MD:** Carcinogenicity of kepone. J Toxicol Environ Health 4(5-6):895-911, Sep-Nov 78 (7 ref.)
ANIMAL/ *CARCINOGENS/ DOGS/ FEMALE/ *INSECTICIDES, ORGANOCHLORINE, pharmacodynamics/ *KEPONE, pharmacodynamics/ LIVER NEOPLASMS, chemically induced/ MALE/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ MICE/ PITUITARY NEOPLASMS, chemically induced/ RATS/ REVIEW/ TIME FACTORS

3190. **Reuber MD:** Carcinomas of the liver in Osborne-Mendel rats ingesting DDT. Tumori 64(6):571-7, Nov-Dec 78
ANIMAL/ *DDT, toxicity/ FEMALE/ *HEPATOMA, EXPERIMENTAL, chemically induced/ HEPATOMA, EXPERIMENTAL, pathology/ LUNG NEOPLASMS, chemically induced/ LYMPHOSARCOMA, chemically induced/ MALE/ NEOPLASMS, EXPERIMENTAL, chemically induced/ OVARIAN NEOPLASMS, chemically induced/ RATS

3191. **Revaz C, Welti H, Dettling A:** Contraception par l'injection trimestrielle de Depo-Provera. Gynaekol Rundsch 18(3-4):183-92, 1978 **(Fre)**
BREAST NEOPLASMS, chemically induced/ CERVIX NEOPLASMS, chemically induced/ *CONTRACEPTIVE AGENTS, FEMALE, administration & dosage/ DELAYED-ACTION PREPARATIONS/ FEMALE/ HUMAN/ INJECTIONS/ *MEDROXYPROGESTERONE, administration & dosage/ MEDROXYPROGESTERONE, adverse effects/ MENORRHAGIA, chemically induced/ OVULATION, drug effects/ PREGNANCY

3192. **Reviczky A, Szántó L, Magony I:** A critical analysis of some thyroid function tests. Acta Med Acad Sci Hung 34(3):129-37, 1977
HUMAN/ PROTEIN BINDING/ THYROGLOBULIN, blood/ THYROID DISEASES, blood/ THYROID DISEASES, diagnosis/ *THYROID FUNCTION TESTS/ THYROID GLAND, physiology/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

3193. **Reynolds RL, Van Horn RN:** Exogenous estradiol and sexual receptivity in photoinhibited female Lemur catta. Physiol Behav 21(3):383-5, Sep 78
ANIMAL/ ESTRADIOL, blood/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *LEMURS, physiology/ LIGHT/ *PROSIMIANS, physiology/ *SEX BEHAVIOR, ANIMAL, drug effects/ SEX BEHAVIOR, ANIMAL, physiology/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3194. **Rezaizadeh MM, Woodruff JD:** Endodermal sinus tumor of the vagina. Gynecol Oncol 6(5):459-63, Oct 78
ADENOCARCINOMA, diagnosis/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ *DYSGERMINOMA, diagnosis/ DYSGERMINOMA, pathology/ DYSGERMINOMA, therapy/ FEMALE/ HUMAN/ INFANT/ *VAGINAL NEOPLASMS, diagnosis/ VAGINAL NEOPLASMS, pathology/ VAGINAL NEOPLASMS, therapy

3195. **Rhoades RA, Whittle EG:** Selective action of hypoxia on rat lung cyclic AMP. Respir Physiol 35(1):59-63, Oct 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *ANOXIA/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ LIVER, metabolism/ *LUNG, metabolism/ MALE/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3196. **Riccabona G:** Andere Hyperthyreoseformen (Indikation und Taktik) operativ. Langenbecks Arch Chir 347:151-5, Nov 78 (Eng. Abstr.) **(Ger)**
*ADENOMA, surgery/ AGE FACTORS/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, NODULAR, surgery/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ SEX RATIO/ *THYROID NEOPLASMS, surgery/ THYROIDECTOMY, methods

3197. **Riccardi VM, Duck S, Katayama P:** The Turner syndrome and the Y chromosome: mechanisms of diminished Y-determined maleness. Birth Defects 14(6C):123-32, 1978
ADOLESCENCE/ CASE REPORT/ CHROMOSOME BANDING/ CHROMOSOMES, HUMAN, ultrastructure/ DISEASES IN TWINS/ FEMALE/ H-Y ANTIGEN, genetics/ HUMAN/ KARYOTYPING/ *OVARIAN NEOPLASMS, familial & genetic/ PHENOTYPE/ *TERATOID TUMOR, familial & genetic/ *TURNER'S SYNDROME, familial & genetic/ Y CHROMOSOME

3198. **Richards BW, Stewart A:** XO/XY mosaicism and non-fluorescing Y chromosome in a male. Hum Genet 45(3):331-8, 29 Dec 78
CASE REPORT/ *CHROMOSOME DELETION/ HUMAN/ MALE/ MIDDLE AGE/ *MOSAICISM/ PHENOTYPE/ *SEX CHROMOSOMES/ *SEX DEVIATION/ *Y CHROMOSOME

3199. **Richards V:** Hyponatremia in legionnaires' disease [letter] Ann Intern Med 90(1):132-3, Jan 79
HUMAN/ *HYPONATREMIA, etiology/ *INAPPROPRIATE ADH SYNDROME, complications/ INAPPROPRIATE ADH SYNDROME, diagnosis/ *LEGIONNAIRES' DISEASE, complications

3200. **Richardson PD, Withrington PG:** Responses of the simultaneously-perfused hepatic arterial and portal venous vascular beds of the dog to histamine and 5-hydroxytryptamine. Br J Pharmacol 64(4):581-8, Dec 78
ANIMAL/ DOGS/ HEMODYNAMICS, drug effects/ HEPATIC ARTERY/ HISTAMINE, administration & dosage/ *HISTAMINE, pharmacodynamics/ IN VITRO/ INJECTIONS, INTRA-ARTERIAL/ INJECTIONS, INTRAVENOUS/ *LIVER CIRCULATION, drug effects/ PORTAL VEIN/ SEROTONIN, administration & dosage/ *SEROTONIN, pharmacodynamics/ TIME FACTORS

3201. **Richardson PS, Phipps RJ:** The anatomy, physiology, pharmacology and pathology of tracheobronchial mucus secretion and the use of expectorant drugs in human disease. Pharmacol Ther [B] 3(4):441-79, 1978 (248 ref.)
AMMONIUM COMPOUNDS, therapeutic use/ ANIMAL/ ARGININE, therapeutic use/ ASCORBIC ACID, therapeutic use/ BRONCHI, anatomy & histology/ BRONCHI, drug effects/ BRONCHI, physiology/ *BRONCHI, secretion/ CARBONATES, therapeutic use/ COPPER, therapeutic use/ DETERGENTS, therapeutic use/ DITHIOTHREITOL, therapeutic use/ *EXPECTORANTS, therapeutic use/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ HYDROLASES, therapeutic use/ IODIDES, therapeutic use/ IPECAC, analogs & derivatives/ IPECAC, therapeutic use/ MUCUS, analysis/ *MUCUS, secretion/ RESPIRATORY TRACT DISEASES, drug therapy/ RESPIRATORY TRACT DISEASES, etiology/ RESPIRATORY TRACT DISEASES, physiopathology/ REVIEW/ TRACHEA, anatomy & histology/ TRACHEA, drug effects/ TRACHEA, physiology/ *TRACHEA, secretion/ UREA, therapeutic use/ WATER, therapeutic use

3202. **Richter CP:** 'Dark-active' rat transformed into 'light-active' rat by destruction of 24-hr clock: function of 24-hr clock and synchronizers. Proc Natl Acad Sci USA 75(12):6276-80, Dec 78
ANIMAL/ *BIOLOGICAL CLOCKS/ *CIRCADIAN RHYTHM/ DARKNESS/ DRINKING BEHAVIOR, physiology/ FEEDING BEHAVIOR, physiology/ *HYPOTHALAMUS, physiology/ LIGHT/ *MOTOR ACTIVITY, physiology/ NEURAL PATHWAYS, physiology/ *OPTIC CHIASM, physiology/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3203. **Richter E, Wick G, Zambelis N, et al:** Demonstration and characterization of thyroglobulin-binding peripheral blood cells in Hashimoto patients by fluoroimmunocytoadherence. Clin Immunol Immunopathol 11(2):178-89, Oct 78
BINDING SITES/ COMPARATIVE STUDY/ HUMAN/ IMMUNOLOGIC TECHNICS/ LEUKOCYTE COUNT/ LYMPHOCYTES, cytology/ *LYMPHOCYTES, metabolism/ *THYROGLOBULIN, blood/ THYROID DISEASES, blood/ *THYROIDITIS, LYMPHOMATOUS, blood

3204. **Richter IA, Danziger A:** Computed axial tomography in intracranial neoplasms in children. S Afr Med J 54(13):520-4,

23 Sep 78
ADOLESCENCE/ ASTROCYTOMA, diagnosis/ *BRAIN NEOPLASMS, diagnosis/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ CRANIAL NERVE NEOPLASMS, diagnosis/ CRANIOPHARYNGIOMA, diagnosis/ EPENDYMOMA, diagnosis/ FEMALE/ GLIOBLASTOMA MULTIFORME, diagnosis/ HUMAN/ INFANT/ MALE/ MEDULLOBLASTOMA, diagnosis/ NEURILEMMOMA, diagnosis/ OLIGODENDROGLIOMA, diagnosis/ PINEALOMA, diagnosis/ PITUITARY NEOPLASMS, diagnosis/ *TOMOGRAPHY, COMPUTERIZED AXIAL/ TUBEROUS SCLEROSIS, diagnosis

3205. **Rico Lenza H, Del Rio Vazquez A, Espinos Perez D:** L'hydroxyprolinurie, indice de gravité dans l'osteogenesis imperfecta tarda. Nouv Presse Med 7(43):3941, 2 Dec 78 **(Fre)**
ADOLESCENCE/ CHILD/ FEMALE/ HUMAN/ *HYDROXYPROLINE, urine/ MALE/ *OSTEOGENESIS IMPERFECTA, diagnosis/ OSTEOGENESIS IMPERFECTA, urine/ PROGNOSIS

3206. **Riede UN, Riede PR, Horn R, et al:** Anpassungsmechanismen der Leberparenchymzellen an einen langdauernden Hypothyreoidismus. Pathol Res Pract 162(4):398–419, Aug 78 (Eng. Abstr.) **(Ger)**
*ADAPTATION, PHYSIOLOGICAL/ ANIMAL/ BODY WEIGHT/ CHRONIC DISEASE/ DIPLOIDY/ ENDOPLASMIC RETICULUM, ultrastructure/ ENGLISH ABSTRACT/ FEMALE/ *HYPOTHYROIDISM, pathology/ *LIVER, pathology/ MICROBODIES, ultrastructure/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, LIVER, ultrastructure/ POLYPLOIDY/ RATS/ THYROIDECTOMY/ TIME FACTORS

3207. **Riederer P, Jellinger K, Rausch WD, et al:** Zur Biochemie der hepatischen Enzephalopathien. Z Gastroenterol 16(12):768–77, Dec 78 (Eng. Abstr.) **(Ger)**
*BRAIN CHEMISTRY/ DOPAMINE, analysis/ ENGLISH ABSTRACT/ *HEPATIC COMA, metabolism/ HEPATIC COMA, therapy/ HUMAN/ HYDROXYINDOLEACETIC ACID, analysis/ LIVER CIRRHOSIS, metabolism/ SEROTONIN, analysis/ TRYPTOPHAN, analysis/ TYROSINE HYDROXYLASE, analysis/ TYROSINE, analysis/ VALINE, therapeutic use

3208. **Riehl M:** La granulomatose de Wegener. Rev Odontostomatol Midi Fr 35(3):119–41, 1977 **(Fre)**
ADRENAL CORTEX HORMONES, therapeutic use/ ANTINEOPLASTIC AGENTS, therapeutic use/ CASE REPORT/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ MALE/ *WEGENER'S GRANULOMATOSIS, diagnosis/ WEGENER'S GRANULOMATOSIS, drug therapy

3209. **Riepe RE, Norenberg MD:** Effect of triiodothyronine on glutamine synthetase in the developing rat retina. Exp Eye Res 27(6):681–6, Dec 78
ANIMAL/ ANIMALS, NEWBORN/ *GLUTAMINE SYNTHETASE, metabolism/ GLUTAMYL TRANSPEPTIDASE, metabolism/ PIGMENT EPITHELIUM OF EYE, enzymology/ RATS/ *RETINA, enzymology/ RETINA, growth & development/ *TRIIODOTHYRONINE, pharmacodynamics

3210. **Rietschel RL:** Photocontact dermatitis to hydrocortisone. Contact Dermatitis 4(6):334–7, Dec 78
CASE REPORT/ DERMATITIS MEDICAMENTOSA, diagnosis/ *DERMATITIS MEDICAMENTOSA, etiology/ FEMALE/ HUMAN/ *HYDROCORTISONE, TOPICAL, adverse effects/ MIDDLE AGE/ *PHOTOSENSITIZATION, chemically induced/ PHOTOSENSITIZATION, diagnosis/ SKIN TESTS

3211. **Rietveld WJ, Ten Hoor F, Kooij M, et al:** Changes in 24-hour fluctuations of feeding behavior during hypothalamic hyperphagia in rats. Physiol Behav 21(4):615–22, Oct 78
ANIMAL/ BODY WEIGHT/ *CIRCADIAN RHYTHM/ *FEEDING BEHAVIOR, physiology/ FEMALE/ *HYPOTHALAMUS, physiology/ HYPOTHALAMUS, MEDIAL, anatomy & histology/ *HYPOTHALAMUS, MEDIAL, physiology/ RATS/ TIME FACTORS

3212. **Rifkin DB:** Plasminogen activator synthesis by cultured human embryonic lung cells: characterization of the suppressive effect of corticosteroids. J Cell Physiol 97(3 Pt 2 Suppl 1):421–8, Dec 78
ACTINOMYCIN, pharmacodynamics/ CELL LINE/ CYTARABINE, pharmacodynamics/ *DEXAMETHASONE, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GLUCOCORTICOIDS, pharmacodynamics/ HUMAN/ *HYDROCORTISONE, pharmacodynamics/ *LUNG, metabolism/ *PLASMINOGEN ACTIVATORS, biosynthesis

3213. **Riikonen R:** Cytomegalovirus infection and infantile spasms. Dev Med Child Neurol 20(5):570–9, Oct 78
BLINDNESS, etiology/ CEREBROSPINAL FLUID PROTEINS, analysis/ CORTICOTROPIN, adverse effects/ CYTOMEGALIC INCLUSION DISEASE, cerebrospinal fluid/ CYTOMEGALIC INCLUSION DISEASE, congenital/ *CYTOMEGALIC INCLUSION DISEASE, complications/ HEAD, growth & development/ HUMAN/ INFANT/ INFANT, NEWBORN/ LEUKOCYTE COUNT/ MENINGOENCEPHALITIS, etiology/ MENTAL RETARDATION, etiology/ SLOW VIRUS DISEASES, complications/ SPASMS, INFANTILE, cerebrospinal fluid/ SPASMS, INFANTILE, drug therapy/ *SPASMS, INFANTILE, etiology/ TREMOR, etiology

3214. **Riley FC, Campbell RJ:** Double phakomatosis. Arch Ophthalmol 97(3):518–20, Mar 79
ADOLESCENCE/ ADRENAL GLAND NEOPLASMS, complications/ ADULT/ *ANGIOMATOSIS, complications/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ CHOROID NEOPLASMS, complications/ *EYE DISEASES, complications/ EYE DISEASES, pathology/ FEMALE/ HEMANGIOMA, pathology/ HUMAN/ HYDROPHTHALMOS, complications/ INFANT/ *NEUROFIBROMATOSIS, complications/ NEUROFIBROMATOSIS, pathology/ PHEOCHROMOCYTOMA, complications/ STRABISMUS, complications/ *STURGE-WEBER SYNDROME, complications/ STURGE-WEBER SYNDROME, pathology

3215. **Riley MS, Schade DS, Eaton RP:** Effects of insulin infusion on plasma phosphate in diabetic patients. Metabolism 28(3):191–4, Mar 79
BLOOD SUGAR, metabolism/ DEXAMETHASONE/ *DIABETES MELLITUS, blood/ DIABETES MELLITUS, drug therapy/ HUMAN/ INSULIN, blood/ *INSULIN, diagnostic use/ INSULIN, therapeutic use/ KETOSIS, DIABETIC, blood/ KETOSIS, DIABETIC, chemically induced/ *PHOSPHATES, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3216. **Rilke F, Andreola S, Carbone A, et al:** The importance of pathology in prognosis and management of breast cancer. Semin Oncol 5(4):360–72, Dec 78 (100 ref.)
ADULT/ AGED/ BIOPSY, NEEDLE/ BREAST NEOPLASMS, familial & genetic/ *BREAST NEOPLASMS, pathology/ BREAST NEOPLASMS, therapy/ CARCINOMA IN SITU, pathology/ CARCINOMA, DUCTAL, pathology/ EPITHELIUM, pathology/ FEMALE/ HUMAN/ HYPERPLASIA, pathology/ LYMPHATIC METASTASIS, pathology/ MIDDLE AGE/ NEOPLASMS, MULTIPLE PRIMARY, pathology/ PROGNOSIS/ RECEPTORS, ESTROGEN/ REVIEW/ SEX CHROMATIN

3217. **Rippon JW, Anderson DN:** Experimental mycosis in immunosuppressed rabbits. II. Acute and chronic aspergillosis. Mycopathologia 64(2):97–100, 16 Oct 78
ACUTE DISEASE/ ANIMAL/ *ANTIBODIES, FUNGAL, biosynthesis/ *ANTIGENS, FUNGAL, analysis/ ASPERGILLOSIS, drug therapy/ *ASPERGILLOSIS, immunology/ *ASPERGILLUS FUMIGATUS, immunology/ CHRONIC DISEASE/ *CYCLOPHOSPHAMIDE, therapeutic use/ *IMMUNOSUPPRESSION/ *PREDNISOLONE, therapeutic use/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3218. **Riquelme PT, Hosey MM, Marcus F, et al:** Phosphorylation of muscle phosphofructokinase by the catalytic subunit of cyclic AMP-dependent protein kinase.

Biochem Biophys Res Commun 85(4):1480–7, 29 Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ CATTLE/ ENZYME ACTIVATION/ KINETICS/ *MUSCLES, enzymology/ *PHOSPHOFRUCTOKINASE/ PHOSPHOFRUCTOKINASE, metabolism/ PHOSPHORYLATION/ PROTEIN BINDING/ *PROTEIN KINASE, metabolism/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3219. **Ritz E, Andrassy K, Gebest J:** Tubuläre Funktionsstörungen bei parenchymatösen Nephropathien. Med Welt 30(6):220–6, 9 Feb 79 (43 ref.) **(Ger)**
AMMONIA, metabolism/ BICARBONATES, metabolism/ GOUT, physiopathology/ HYDROGEN-ION CONCENTRATION/ HYDROXYLASES, metabolism/ HYPERPARATHYROIDISM, metabolism/ KIDNEY CONCENTRATING ABILITY/ *KIDNEY FAILURE, CHRONIC, physiopathology/ *KIDNEY TUBULES, physiopathology/ PHENACETIN, adverse effects/ REVIEW/ UREMIA, physiopathology/ VITAMIN D, biosynthesis

3220. **Rizvi R, Khan AA, Khan M:** The role of oestrogen test in threatened abortion. Indian J Pathol Microbiol 21(2):165–70, Apr 78
*ABORTION, THREATENED, diagnosis/ *ESTROGENS, diagnostic use/ FEMALE/ HUMAN/ PREGNANCY/ PROGNOSIS/ *VAGINAL SMEARS

3221. **Robberecht P:** Les récepteurs membranaires du peptide vasoactif de l'intestin (VIP): hormone et neurotransmetteur. Arch Int Physiol Biochim 86(4):842–3, Oct 78 **(Fre)**
ADENYL CYCLASE, metabolism/ ANIMAL/ BRAIN, metabolism/ *GASTROINTESTINAL HORMONES, metabolism/ LIVER, metabolism/ PANCREAS, metabolism/ *RECEPTORS, HORMONE, metabolism/ SWINE/ *SYNAPTIC RECEPTORS, metabolism/ *VASOACTIVE INTESTINAL PEPTIDE, metabolism

3222. **Robbins J, Cheng SY, Gershengorn MC, et al:** Thyroxine transport proteins of plasma. Molecular properties and biosynthesis. Recent Prog Horm Res 34:477–519, 1978 (97 ref.)
ANIMAL/ CELL NUCLEUS, metabolism/ ESTRADIOL, pharmacodynamics/ GENES/ HUMAN/ MONKEYS/ *PREALBUMIN, metabolism/ PROTEIN CONFORMATION/ RECEPTORS, HORMONE/ RETINOL BINDING PROTEINS, blood/ REVIEW/ *SERUM ALBUMIN, metabolism/ THYROID HORMONES, pharmacodynamics/ *THYROXINE BINDING PROTEIN, biosynthesis/ THYROXINE BINDING PROTEIN, genetics/ THYROXINE BINDING PROTEIN, isolation & purification

3223. **Roberts A:** Systems of life. No. 50. Hormones and homeostasis. Nurs Times 75(5):Suppl 50:1–4, 1 Feb 79
FEMALE/ *HOMEOSTASIS/ *HORMONES, physiology/ HUMAN/ MALE/ OVARY, physiology/ PITUITARY GLAND, physiology/ TESTIS, physiology

3224. **Roberts KL:** Human genetics. Lamp 35(11):4–8, Nov 78
CHROMOSOME ABNORMALITIES, familial & genetic/ FAMILY PLANNING/ FEMALE/ GENETIC COUNSELING/ *GENETICS, HUMAN/ HUMAN/ MALE/ SEX DETERMINATION

3225. **Robertson DR:** Diurnal variations in the influence of the ultimobranchial glands on calcium homeostasis in the frog (Rana pipiens). J Endocrinol 79(2):167–78, Nov 78
ANIMAL/ BIOLOGICAL TRANSPORT, drug effects/ CALCITONIN, metabolism/ *CALCIUM, metabolism/ CHOLECALCIFEROLS, pharmacodynamics/ *CIRCADIAN RHYTHM/ *DIURNAL RHYTHM/ DUODENUM, drug effects/ DUODENUM, metabolism/ FROGS/ HOMEOSTASIS/ MALE/ PARATHYROID GLANDS, physiology/ PARATHYROID HORMONE, metabolism/ RANA PIPIENS/ *ULTIMOBRANCHIAL BODY, physiology/ UNITED STATES GOV'T SUPPORTED

3226. **Robertson HA, King GJ, Carnegie JA:** Appearance of oestrone sulphate in the allantoic fluid of the cow. J Endocrinol 79(2):243–4, Nov 78
*ALLANTOIS, metabolism/ ANIMAL/ BODY FLUIDS, metabolism/ CATTLE/ ESTRONE, analogs & derivatives/ *ESTRONE, metabolism/ FEMALE/ *FETAL MEMBRANES, metabolism/ GESTATIONAL AGE/ PREGNANCY

3227. **Robertson JI:** Address on the occasion of the presentation of the Merck Sharp and Dohme International Award to Professor Jens Bing and his associates and the Franz Volhard Award to Professor Bjorn Folkow. Clin Sci Mol Med 55 Suppl 4:1s–2s, Dec 78
*AWARDS AND PRIZES/ DENMARK/ HYPERTENSION, history/ RENIN, history/ SWEDEN

3228. **Robinette CL, Mawhinney MG:** The influence of aging on androgen dynamics in the male rat. Arch Biochem Biophys 191(2):503–16, Dec 78
AGING/ ANIMAL/ CYTOSOL, metabolism/ KINETICS/ MALE/ ORGAN SPECIFICITY/ *PROSTATE, growth & development/ PROSTATE, metabolism/ RATS/ *RECEPTORS, ANDROGEN, metabolism/ *RECEPTORS, STEROID, metabolism/ *SEMINAL VESICLES, growth & development/ SEMINAL VESICLES, metabolism/ STANOLONE, metabolism/ *TESTOSTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3229. **Robinette CL, McGraw RG, Cricco RP, et al:** Localization, metabolism, and binding of estrogens in the male rat. Arch Biochem Biophys 191(2):517–24, Dec 78
ANIMAL/ CYTOSOL, metabolism/ *ESTRADIOL, metabolism/ *ESTRONE, metabolism/ KINETICS/ MALE/ ORGAN SPECIFICITY/ PROSTATE, metabolism/ RATS/ *RECEPTORS, ESTROGEN, metabolism/ SEMINAL VESICLES, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3230. **Robinson AM, Williamson DH:** Utlization of D-3-hydroxy[3-14C]butyrate for lipogenesis in vivo in lactating rat mammary gland. Biochem J 176(2):635–8, 15 Nov 78
ACETYL COA ACETYLTRANSFERASE, metabolism/ ANIMAL/ FEMALE/ *HYDROXYBUTYRATES, metabolism/ LACTATION/ *LIPIDS, biosynthesis/ *MAMMAE, metabolism/ PREGNANCY/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3231. **Robinson C, Briggs HD, Atkinson PJ, et al:** Matrix and mineral changes in developing enamel. J Dent Res 58 Spec No 8:871–82, Mar 79
*AMELOGENESIS/ AMINO ACIDS, analysis/ ANIMAL/ CALCIUM, analysis/ CALCIUM, metabolism/ CATTLE/ DENTAL ENAMEL PROTEINS, analysis/ *DENTAL ENAMEL PROTEINS, metabolism/ DENTAL ENAMEL, anatomy & histology/ DENTAL ENAMEL, analysis/ *DENTAL ENAMEL, metabolism/ ENAMEL ORGAN, metabolism/ MINERALS, metabolism/ MOLECULAR WEIGHT/ PHOSPHATES, analysis/ PHOSPHATES, metabolism/ PROLINE, metabolism/ RATS

3232. **Robinson DR, McGuire MB, Bastian D, et al:** The effects of anti-inflammatory drugs on prostaglandin production by rheumatoid synovial tissue. Prostaglandins Med 1(6):461–77, Dec 78
ADRENAL CORTEX HORMONES, pharmacodynamics/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ *ARTHRITIS, RHEUMATOID, metabolism/ HUMAN/ PROSTAGLANDINS E, biosynthesis/ PROSTAGLANDINS F, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ STEREOISOMERS/ SYNOVIAL MEMBRANE, drug effects/ *SYNOVIAL MEMBRANE, metabolism/ TISSUE CULTURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3233. **Robinson PH:** Pericarditis. Med Times 107(1):73–8, Jan 79
ACUTE DISEASE/ ADRENAL CORTEX HORMONES, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ *PERICARDITIS, diagnosis/ PERICARDITIS, drug therapy

3234. **Robinson PL, O'Mullane NM, Alderman B:** Prenatal treatment of fetal thyrotoxicosis. Br Med J 1(6160):383–4, 10 Feb 79
ADULT/ CARBIMAZOLE, therapeutic use/ CASE REPORT/ FEMALE/ *FETAL DISEASES, drug therapy/ HUMAN/ *HYPERTHYROIDISM, drug therapy/ INFANT, NEWBORN/ MALE/

MATERNAL-FETAL EXCHANGE/ PREGNANCY

3235. **Robinson RG, Bloom FE:** Changes in posterior hypothalamic self-stimulation following experimental cerebral infarction in the rat. J Comp Physiol Psychol 92(5):969–76, Oct 78
ANIMAL/ *CEREBRAL INFARCTION, physiopathology/ DIFFERENTIAL THRESHOLD/ DOPAMINE, metabolism/ *HYPOTHALAMUS, physiopathology/ *HYPOTHALAMUS, POSTERIOR, physiopathology/ LATERALITY/ MALE/ NOREPINEPHRINE, metabolism/ RATS/ RECEPTORS, ADRENERGIC, physiology/ RECEPTORS, DOPAMINE, physiology/ *SELF STIMULATION, physiology/ TIME FACTORS

3236. **Roccatagliata G, Albano C, Besio G:** Discinesie croniche tardive da neurolettici. Dati farmacologici e liquorali.
Riv Patol Nerv Ment 98(4):228–32, Sep 78 (Eng. Abstr.) **(Ita)**
ADULT/ BRAIN, metabolism/ DOPAMINE, metabolism/ *DYSKINESIA, DRUG-INDUCED/ DYSKINESIA, DRUG-INDUCED, cerebrospinal fluid/ DYSKINESIA, DRUG-INDUCED, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ HOMOVANILLIC ACID, cerebrospinal fluid/ HUMAN/ HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ IATROGENIC DISEASE/ MALE/ MIDDLE AGE/ *PIPERAZINES, therapeutic use/ SEROTONIN, metabolism/ *TRANQUILIZING AGENTS, MAJOR, adverse effects/ *TRAZODONE, therapeutic use

3237. **Rochelle RD, Horvath SM:** Thermoregulation in surfers and nonsurfers immersed in cold water. Undersea Biomed Res 5(4):377–90, Dec 78
ADAPTATION, PHYSIOLOGICAL/ ADULT/ *BODY TEMPERATURE REGULATION/ *COLD/ COMPARATIVE STUDY/ DIURESIS/ HEART RATE/ HUMAN/ HYDROCORTISONE, blood/ *IMMERSION, physiopathology/ MALE/ METABOLISM/ OXYGEN CONSUMPTION/ PLASMA VOLUME/ RESPIRATION/ *SPORT MEDICINE/ UNITED STATES GOV'T SUPPORTED

3238. **Röckel A, Reuther P, Deeg P, et al:**
Phäochromocytom-ähnliche Symptomatik bei akuter hypertensiver Encephalopathie. Verh Dtsch Ges Inn Med (84):797–800, 1978 **(Ger)**
ADULT/ ANTIHYPERTENSIVE AGENTS, therapeutic use/ *BRAIN DISEASES, diagnosis/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ GLOMERULONEPHRITIS, complications/ HUMAN/ *HYPERTENSION, complications/ MALE/ PHEOCHROMOCYTOMA, diagnosis

3239. **Röckert HO, Damber JE, Janson PO:** Testicular blood flow and plasma testosterone concentrations in anesthetized rats previously exposed to air at 6 ATA.
Undersea Biomed Res 5(4):355–61, Dec 78
ANIMAL/ *ATMOSPHERIC PRESSURE/ BODY TEMPERATURE/ HEMATOCRIT/ MALE/ RATS/ REGIONAL BLOOD FLOW/ *TESTIS, blood supply/ *TESTOSTERONE, blood

3240. **Rodnan GP, Lipinski E, Luksick J:** Skin thickness and collagen content in progressive systemic sclerosis and localized scleroderma. Arthritis Rheum 22(2):130–40, Feb 79
ACROMEGALY, metabolism/ ACROMEGALY, pathology/ ADOLESCENCE/ ADULT/ AGED/ BIOPSY/ *COLLAGEN, metabolism/ FEMALE/ HUMAN/ HYDROXYPROLINE, metabolism/ MALE/ MIDDLE AGE/ SCLERODERMA, CIRCUMSCRIBED, metabolism/ *SCLERODERMA, CIRCUMSCRIBED, pathology/ SCLERODERMA, SYSTEMIC, metabolism/ *SCLERODERMA, SYSTEMIC, pathology/ SKIN, metabolism/ *SKIN, pathology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3241. **Rodríguez Costa A, Romeo C, López G. De Viedma A, et al:** Amputación testicular traumática. Reimplantación con éxito mediante microcirugía. An Esp Pediatr 11(12):865–7, Dec 78 (Eng. Abstr.) **(Spa)**
*AMPUTATION, TRAUMATIC, surgery/ CASE REPORT/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MICROSURGERY/ REFRIGERATION/ *REIMPLANTATION/ *TESTIS, injuries/ TESTIS, surgery/ TIME FACTORS

3242. **Roemer W, Liebmann C, Reissmann S, et al:** Effects of prostaglandins, calcium, and bradykinin on guanylate cyclase in different organs. Acta Biol Med Ger 37(5–6):905–6, 1976
ANIMAL/ *BRADYKININ, pharmacodynamics/ *CALCIUM, pharmacodynamics/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ COMPARATIVE STUDY/ DUODENUM, enzymology/ FEMALE/ *GUANYL CYCLASE, metabolism/ ORGAN SPECIFICITY/ *PROSTAGLANDINS E, pharmacodynamics/ RATS/ UTERUS, enzymology

3243. **Rogawski MA, Goodrich JT, Gershon MD, et al:** Hirschsprung's disease: absence of serotonergic neurons in the aganglionic colon. J Pediatr Surg 13(6D):608–15, Dec 78
AUTORADIOGRAPHY/ CHILD/ CHILD, PRESCHOOL/ *COLON, innervation/ COLON, pathology/ HUMAN/ INFANT/ *MEGACOLON, pathology/ MEGACOLON, physiopathology/ *MYENTERIC PLEXUS, analysis/ NEURONS, analysis/ NEURONS, physiology/ *SEROTONIN, analysis/ SEROTONIN, physiology

3244. **Röher HD:** Morbus Basedow: Chirurgische Behandlung. Langenbecks Arch Chir 347:137–44, Nov 78 (Eng. Abstr.) **(Ger)**
ENGLISH ABSTRACT/ GOITER, EXOPHTHALMIC, drug therapy/ *GOITER, EXOPHTHALMIC, surgery/ HUMAN/ PATIENT CARE PLANNING/ POSTOPERATIVE CARE/ POSTOPERATIVE COMPLICATIONS/ *PREOPERATIVE CARE/ RISK/ *THYROID ANTAGONISTS, therapeutic use

3245. **Rohr HP, Bartsch G, Peltenburg M, et al:** Stereological study of the zona fasciculata of the adrenal cortex in stress situations (hypothermia, catabolism). Pathol Res Pract 162(4):380–97, Aug 78
*ADRENAL CORTEX, pathology/ ADRENAL CORTEX, ultrastructure/ ANIMAL/ ENDOPLASMIC RETICULUM, ultrastructure/ FASTING/ HYPOTHERMIA, pathology/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, ultrastructure/ RATS/ *STRESS, pathology

3246. **Rohrer H, Otten U, Thoenen H:** On the role of RNA synthesis in the selective induction of tyrosine hydroxylase by nerve growth factor. Brain Res 159(2):436–9, 29 Dec 78
ACETYLCHOLINE, pharmacodynamics/ AMANITINS, pharmacodynamics/ ANIMAL/ CERVICAL PLEXUS, enzymology/ DACTINOMYCIN, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ DOPAMINE BETA-HYDROXYLASE, biosynthesis/ ENZYME INDUCTION, drug effects/ MALE/ *NERVE GROWTH FACTOR, pharmacodynamics/ RATS/ *RNA, biosynthesis/ *TYROSINE HYDROXYLASE, biosynthesis

3247. **Röjdmark S:** Effect of verapamil on insulin response to alcohol hypoglycemia in patients with primary hyperparathyroidism.
Diabetes 28(1):21–5, Jan 79
ADOLESCENCE/ ADULT/ AGED/ *ALCOHOL, ETHYL, pharmacodynamics/ *BLOOD SUGAR, metabolism/ CALCIUM, metabolism/ FEMALE/ HUMAN/ HYPERCALCEMIA, blood/ HYPERCALCEMIA, physiopathology/ *HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, physiopathology/ *INSULIN, blood/ *IPROVERATRIL, pharmacodynamics/ MALE/ MIDDLE AGE/ PANCREAS, metabolism

3248. **Rolandi E, Barreca T, Gallamini A, et al:** Variazioni prolattinemiche circadiane in soggetti anziani.
Boll Soc Ital Biol Sper 54(2):197–200, 30 Jan 78 **(Ita)**
ADULT/ AGED/ *AGING/ *CIRCADIAN RHYTHM/ FEMALE/ HUMAN/ MALE/ *PROLACTIN, blood/ SLEEP, physiology

3249. **Romański B, Pawlik K, Wilewska-Klubo T:** The use of triamcinolone acetonide in the treatment of severe intrinsic bronchial asthma. Allergol Immunopathol (Madr) 6(4):321–4, Jul-Aug 78
ADULT/ AGED/ *ASTHMA, drug therapy/ DRUG EVALUATION/ FEMALE/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ MALE/ MIDDLE AGE/ *TRIAMCINOLONE ACETONIDE, therapeutic use

3250. **Romas NA, Janecka I, Krisiloff M:** Role of microsurgery in

orchiopexy. Urology 12(6):670–3, Dec 78
CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ *CRYPTORCHISM, surgery/ HUMAN/ MALE/ *MICROSURGERY/ MICROSURGERY, methods/ *SCROTUM, surgery/ TESTIS, blood supply/ *TESTIS, surgery

3251. **Rome RM:** Routine antenatal tests. Aust Fam Physician 7(9):1098–1103, Sep 78
ADOLESCENCE/ ADULT/ ALPHA FETOPROTEINS, analysis/ BACTERIURIA, diagnosis/ BLOOD GROUPS/ CERVIX MUCUS, cytology/ ESTRIOL, urine/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ INFANT, NEWBORN/ MALE/ PHENYLKETONURIA, diagnosis/ *PREGNANCY COMPLICATIONS, diagnosis/ PREGNANCY COMPLICATIONS, HEMATOLOGIC, diagnosis/ PREGNANCY/ *PRENATAL CARE, standards/ RUBELLA, immunology/ SYPHILIS, diagnosis

3252. **Romero JA:** Biologic rhythms and sympathetic neural control of pineal metabolism. Adv Exp Med Biol 108:235–49, 1978
ACETYLTRANSFERASES, physiology/ *AGING/ ANIMAL/ *BIOLOGICAL CLOCKS/ CIRCADIAN RHYTHM/ DIBUTYRYL CYCLIC AMP, physiology/ PINEAL BODY, drug effects/ *PINEAL BODY, metabolism/ RATS/ RECEPTORS, ADRENERGIC, physiology/ *SYMPATHETIC NERVOUS SYSTEM, physiology

3253. **Romijn HJ:** The pineal, a tranquillizing organ? Life Sci 23(23):2257–73, 4 Dec 78 (113 ref.)
ADRENAL CORTEX, physiology/ ANIMAL/ BLOOD PRESSURE/ BODY TEMPERATURE/ CENTRAL NERVOUS SYSTEM, physiology/ FEMALE/ GONADS, physiology/ GROWTH/ HUMAN/ ISLANDS OF LANGERHANS, secretion/ MALE/ MOTOR ACTIVITY, physiology/ *PINEAL BODY, physiology/ REVIEW/ SLEEP, physiology/ THYROID GLAND, physiology

3254. **Romrell LJ, Ross MH:** Characterization of Sertoli cell–germ cell junctional specializations in dissociated testicular cells. Anat Rec 193(1):23–41, Jan 79
ANIMAL/ CELL SEPARATION/ CLOSTRIDIOPEPTIDASE A, pharmacodynamics/ *INTERCELLULAR JUNCTIONS, ultrastructure/ MALE/ RATS/ *SERTOLI CELLS, ultrastructure/ *SPERMATIDS, ultrastructure/ *SPERMATOZOA, ultrastructure/ TRYPSIN, pharmacodynamics

3255. **Ronin C, Bouchilloux S, Granier C, et al:** Enzymatic N-glycosylation of synthetic Asn--X--Thr containing peptides. FEBS Lett 96(1):179–82, 1 Dec 78
AMINO ACID SEQUENCE/ GLYCOPROTEINS, biosynthesis/ HEXOSYLTRANSFERASES, metabolism/ KINETICS/ *MICROSOMES, metabolism/ *OLIGOPEPTIDES, metabolism/ OLIGOSACCHARIDES, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ SUBSTRATE SPECIFICITY/ THYROGLOBULIN, biosynthesis/ THYROID GLAND, ultrastructure

3256. **Ronin C, Granier C, Van Rietschoten J, et al:** Enzymatic glycosylation of an Asn-Ala-Thr-containing peptide from oligosaccharide-lipids (proceedings)
Arch Int Physiol Biochim 86(4):885–6, Oct 78
AMINO ACID SEQUENCE/ ANIMAL/ GLYCOLIPIDS, metabolism/ GLYCOPROTEINS, biosynthesis/ MICROSOMES, metabolism/ *OLIGOPEPTIDES, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ *THYROID GLAND, metabolism

3257. **Rønnekleiv O, Krulich L, McCann SM:** The effect of pinealectomy on the pattern of prolactin secretion in conscious freely moving male rats. Neuroendocrinology 27(5–6):279–90, 1978
ANIMAL/ AROUSAL/ CIRCADIAN RHYTHM/ DARKNESS/ LIGHT/ MALE/ PERIODICITY/ *PINEAL BODY, physiology/ *PROLACTIN, blood/ RATS/ SLEEP

3258. **Rooney SA, Gobran LI, Marino PA, et al:** Effects of betamethasone on phospholipid content, composition and biosynthesis in the fetal rabbit lung.
Biochim Biophys Acta 572(1):64–76, 29 Jan 79
ANIMAL/ *BETAMETHASONE, pharmacodynamics/ CHOLINE KINASE, metabolism/ CHOLINE, metabolism/ CHOLINEPHOSPHOTRANSFERASE, metabolism/ COMPARATIVE STUDY/ FEMALE/ GLYCOGEN, metabolism/ HYDROCORTISONE, pharmacodynamics/ *LUNG, embryology/ LUNG, metabolism/ LYSOLECITHIN ACYLTRANSFERASE, metabolism/ PHOSPHATIDATE PHOSPHATASE, metabolism/ PHOSPHATIDYLCHOLINES, metabolism/ *PHOSPHOLIPIDS, metabolism/ PREGNANCY/ PULMONARY SURFACTANT, metabolism/ RABBITS/ SPHINGOMYELINS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3259. **Roord JJ, Ramaekers LH, van Engelshoven JM:** Intra-uterine malnutrition and skeletal retardation. Biol Neonate 34(3–4):167–9, 1978
AGE DETERMINATION BY SKELETON/ *BONE DEVELOPMENT/ FEMALE/ *GROWTH DISORDERS, etiology/ HUMAN/ INFANT, NEWBORN/ INFANT, POSTMATURE/ *INFANT, SMALL FOR GESTATIONAL AGE/ *PLACENTA DISORDERS, complications/ PREGNANCY

3260. **Rootwelt K, Ganes T, Johannessen SI:** Effect of carbamazepine, phenytoin and phenobarbitone on serum levels of thyroid hormones and thyrotropin in humans.
Scand J Clin Lab Invest 38(8):731–6, Dec 78
ADULT/ *CARBAMAZEPINE, adverse effects/ CARBAMAZEPINE, therapeutic use/ EPILEPSY, drug therapy/ HUMAN/ *PHENOBARBITAL, adverse effects/ PHENOBARBITAL, therapeutic use/ *PHENYTOIN, adverse effects/ PHENYTOIN, therapeutic use/ RADIOIMMUNOASSAY/ *THYROID HORMONES, blood/ *THYROTROPIN, blood/ THYROXINE BINDING PROTEIN, analysis/ THYROXINE, blood/ TIME FACTORS/ TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, REVERSE, blood

3261. **Rose DP:** The interactions between vitamin B6 and hormones. Vitam Horm 36:53–99, 1978 (218 ref.)
ADRENAL CORTEX HORMONES, pharmacodynamics/ BIOGENIC AMINES, pharmacodynamics/ BIOGENIC AMINES, physiology/ BRAIN, metabolism/ CONTRACEPTIVES, ORAL, HORMONAL, pharmacodynamics/ CORTICOTROPIN, pharmacodynamics/ ESTROGENS, physiology/ ESTROGENS, SYNTHETIC, pharmacodynamics/ FEMALE/ GONADOTROPINS, metabolism/ HORMONES, metabolism/ HORMONES, pharmacodynamics/ *HORMONES, physiology/ HUMAN/ PITUITARY HORMONES, metabolism/ PREGNANCY/ PROLACTIN, metabolism/ PYRIDOXAL PHOSPHATE, physiology/ PYRIDOXINE DEFICIENCY, chemically induced/ PYRIDOXINE, metabolism/ *PYRIDOXINE, physiology/ REVIEW/ SOMATOTROPIN, metabolism/ THYROID HORMONES, pharmacodynamics/ THYROID HORMONES, physiology/ THYROTROPIN, metabolism/ TRYPTOPHAN, metabolism

3262. **Rose G, Barker DJ:** Epidemiology for the uninitiated. Aetiology of disease—selection of controls. Br Med J 2(6152):1616–7, 9 Dec 78
CLINICAL RESEARCH/ CONTRACEPTIVES, ORAL, adverse effects/ *EPIDEMIOLOGIC METHODS/ FEMALE/ HUMAN/ SOCIOECONOMIC FACTORS/ THROMBOPHLEBITIS, chemically induced

3263. **Rose JQ, Barron SA, Jusko WJ:** Phenytoin disposition in smokers and nonsmokers. Int J Clin Pharmacol Biopharm 16(11):547–50, Nov 78
ADULT/ AGED/ BLOOD PROTEINS, metabolism/ FEMALE/ HALF-LIFE/ HUMAN/ KINETICS/ MALE/ MIDDLE AGE/ OXYGEN CONSUMPTION/ PHENYTOIN, blood/ *PHENYTOIN, metabolism/ PROTEIN BINDING/ *SMOKING, metabolism/ THIOCYANATES, blood/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3264. **Rosen N, Piscitello J, Schneck J, et al:** Properties of protein kinase and adenylate cyclase-deficient variants of a macrophage-like cell line. J Cell Physiol 98(1):125–36, Jan 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analogs & derivatives/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,

pharmacodynamics/ *ADENYL CYCLASE, metabolism/ CELL LINE/ CHOLERA TOXIN, pharmacodynamics/ MACROPHAGES, drug effects/ *MACROPHAGES, enzymology/ MACROPHAGES, physiology/ MUTATION/ PHAGOCYTOSIS, drug effects/ PLASMINOGEN ACTIVATORS, secretion/ *PROTEIN KINASE, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3265. **Rosen PP:** Sex chromatin counts in breast cancer [letter] JAMA 241(7):695-6, 16 Feb 79
*BREAST NEOPLASMS, analysis/ BREAST NEOPLASMS, familial & genetic/ FEMALE/ HUMAN/ *SEX CHROMATIN, analysis

3266. **Rosen PP, Senie RT, Farr GH, et al:** Epidemiology of breast carcinoma: Age, menstrual status, and exogenous hormone usage in patients with lobular carcinoma in situ. Surgery 85(2):219-224, Feb 79
ADULT/ AGE FACTORS/ AGED/ *BREAST NEOPLASMS, occurrence/ BREAST NEOPLASMS, pathology/ *CARCINOMA IN SITU, occurrence/ CARCINOMA IN SITU, pathology/ CARCINOMA, DUCTAL, pathology/ CONTRACEPTIVE AGENTS, adverse effects/ ESTROGENS, adverse effects/ FEMALE/ HORMONES, adverse effects/ HUMAN/ *MENSTRUATION/ MIDDLE AGE

3267. **Rosenberg HS, Stenback WA, Spjut HJ:** The fibromatoses of infancy and childhood. Perspect Pediatr Pathol 4:269-348, 1978 (132 ref.)
ABDOMINAL NEOPLASMS/ ADOLESCENCE/ ANGIOMA, SCLEROSING, diagnosis/ BONE NEOPLASMS, diagnosis/ CHILD/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ DUPUYTREN'S CONTRACTURE, diagnosis/ FEMALE/ *FIBROMA/ FIBROMA, congenital/ FIBROMA, diagnosis/ FIBROSARCOMA, diagnosis/ FINGERS/ HEAD AND NECK NEOPLASMS, diagnosis/ HEART NEOPLASMS, diagnosis/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ MASTOID/ MUSCULAR DISEASES, diagnosis/ NASOPHARYNGEAL NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, diagnosis/ RESPIRATORY TRACT NEOPLASMS, diagnosis/ REVIEW/ STERNUM/ TESTICULAR NEOPLASMS, diagnosis/ TOES

3268. **Rosenberger J, Stock W, Kotthoff B:** Das Inselzellkarzinom-eine Ursache des Verner-Morrison-Syndroms. Leber Magen Darm 9(1):6-10, Feb 79 (Eng. Abstr.) **(Ger)**
ADULT/ CASE REPORT/ DEHYDRATION, etiology/ DIARRHEA, diagnosis/ *DIARRHEA, etiology/ ENGLISH ABSTRACT/ HUMAN/ HYPERCALCEMIA, diagnosis/ HYPERCALCEMIA, etiology/ HYPOKALEMIA, diagnosis/ *HYPOKALEMIA, etiology/ *ISLET CELL TUMOR, complications/ ISLET CELL TUMOR, diagnosis/ MALE/ *PANCREATIC NEOPLASMS, complications/ PANCREATIC NEOPLASMS, diagnosis/ SYNDROME

3269. **Rosenblatt M, Habener JF, Tyler GA, et al:** Chemical synthesis of the precursor-specific region of pre-proparathyroid hormone. J Biol Chem 254(4):1414-21, 25 Feb 79
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ METHODS/ MOLECULAR WEIGHT/ *PARATHYROID HORMONE, chemical synthesis/ *PROTEIN PRECURSORS, chemical synthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3270. **Rosenblum WI, Segreti AC:** Effects of reduced regional or body temperatures on responses of pial arterioles. Stroke 9(6):580-2, Nov-Dec 78
ANIMAL/ ARTERIES/ BARIUM, pharmacodynamics/ *BODY TEMPERATURE/ IRRIGATION/ MICE/ MICE, INBRED ICR/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ *PIA MATER, blood supply/ SEROTONIN, pharmacodynamics/ *TEMPERATURE/ *VASOCONSTRICTION/ VASOCONSTRICTION, drug effects

3271. **Rosenfeld R, Spigelblatt L, Chicoine R:** False positive sweat test, malnutrition, and the Mauriac syndrome. J Pediatr 94(2):240-2, Feb 79
CASE REPORT/ CHILD/ *CHLORIDES, analysis/ CYSTIC FIBROSIS, diagnosis/ DIABETES MELLITUS, JUVENILE, complications/ *DWARFISM, complications/ FALSE POSITIVE REACTIONS/ FEMALE/ *HEPATOMEGALY, complications/ HUMAN/ *NUTRITION DISORDERS, complications/ *SWEAT, analysis/ SYNDROME

3272. **Rosenkrantz JG, Wong KY, Ballard ET, et al:** Leukemic infiltration of the testis during long-term remission. J Pediatr Surg 13(6D):753-6, Dec 78
ADOLESCENCE/ *ANTINEOPLASTIC AGENTS, therapeutic use/ BIOPSY/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ LEUKEMIA, LYMPHOBLASTIC, diagnosis/ *LEUKEMIA, LYMPHOBLASTIC, drug therapy/ LEUKEMIA, LYMPHOBLASTIC, pathology/ MALE/ RECURRENCE/ REMISSION/ *TESTICULAR NEOPLASMS, diagnosis/ TESTICULAR NEOPLASMS, pathology/ TESTICULAR NEOPLASMS, therapy

3273. **Rosenkranz RP, Killam KF Jr:** Effects of prostacyclin and 6-keto PGF1alpha on electrically induced convulsions in mice. Life Sci 23(26):2609-16, 25 Dec 78
ANIMAL/ *ANTICONVULSANTS/ ELECTROSHOCK/ INJECTIONS, INTRAVENTRICULAR/ MALE/ MICE/ MICE, INBRED ICR/ *PROSTAGLANDINS F, pharmacodynamics/ PROSTAGLANDINS X, administration & dosage/ *PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ TIME FACTORS

3274. **Rosenman HD, Lynfield Y:** Giant cell arteritis with scalp necrosis. Int J Dermatol 17(8):643-4, Oct 78
AGED/ CASE REPORT/ HUMAN/ MALE/ NECROSIS/ PREDNISONE, therapeutic use/ *SCALP, pathology/ SKIN ULCER, drug therapy/ *SKIN ULCER, etiology/ SKIN ULCER, pathology/ *TEMPORAL ARTERITIS, complications/ TEMPORAL ARTERITIS, drug therapy/ TEMPORAL ARTERITIS, pathology/ VISION DISORDERS, complications

3275. **Rosenthal J, Jaeger H, Arlart I:** Effect of prazosin on blood pressure and plasma renin activity in man. Clin Sci Mol Med 55 Suppl 4:337s-339s, Dec 78
ADULT/ *BLOOD PRESSURE, drug effects/ FEMALE/ HEART RATE, drug effects/ HUMAN/ HYPERTENSION, drug therapy/ MALE/ *PRAZOSIN, pharmacodynamics/ PRAZOSIN, therapeutic use/ *QUINAZOLINES, pharmacodynamics/ *RENIN, blood

3276. **Ross GT, Lipsett MB:** Hormonal correlates of normal and abnormal follicle growth after puberty in humans and other primates. Clin Endocrinol Metab 7(3):561-75, Nov 78
ANIMAL/ CONTRACEPTIVES, ORAL, pharmacodynamics/ CORPUS LUTEUM, physiology/ FEMALE/ FSH, blood/ GRAAFIAN FOLLICLE, drug effects/ *GRAAFIAN FOLLICLE, growth & development/ HUMAN/ HYPOGONADISM, physiopathology/ LH, blood/ MENSTRUATION/ MENSTRUATION, FOLLICULAR PHASE/ MENSTRUATION, LUTEAL PHASE/ OVULATION INDUCTION/ OVULATION/ PREGNANCY/ PROLACTIN, physiology/ PUBERTY/ TIME FACTORS

3277. **Rossaro S, Balcet U:** Effetti dell'althesin sulla tensione oculare. Minerva Anestesiol 44(6):369-76, Jun 78 (Eng. Abstr.)**(Ita)**
ADULT/ ALTHESIN, administration & dosage/ ALTHESIN, adverse effects/ *ALTHESIN, pharmacodynamics/ *ANESTHESIA, INTRAVENOUS/ APPENDECTOMY/ DRUG EVALUATION/ ENGLISH ABSTRACT/ HUMAN/ INGUINAL HERNIA, surgery/ *INTRAOCULAR PRESSURE, drug effects/ MIDDLE AGE/ *PREGNANEDIONES, pharmacodynamics/ UROLOGIC DISEASES, surgery

3278. **Rossazza C, Larmande A, Devlamynck S:** Les atteintes de l'angle postérieur du chiasma au cours des tumeurs de l'hypophyse; à propos de deux observations. Rev Otoneuroophtalmol 50(4):353-5, Jul-Sep 78 **(Fre)**
*ADENOMA, CHROMOPHOBE, complications/ CASE REPORT/ FEMALE/ *HEMIANOPSIA, etiology/ HUMAN/ MIDDLE AGE/ *OPTIC CHIASM, pathology/ *PITUITARY NEOPLASMS, complications

3279. **Rossier BC:** Role of RNA in the action of aldosterone on Na+ transport. J Membr Biol 40 Spec No:187–97, 1978 (44 ref.)
*ALDOSTERONE, pharmacodynamics/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ FROGS/ IN VITRO/ REVIEW/ *RNA, physiology/ RNA, MESSENGER, metabolism/ RNA, RIBOSOMAL, metabolism/ *SODIUM, metabolism/ TRANSCRIPTION, GENETIC, drug effects/ TRANSLATION, GENETIC, drug effects

3280. **Rossing N:** Intra- and extravascular distribution of albumin and immunoglobulin in man. Lymphology 11(4):138–42, Dec 78
AGAMMAGLOBULINEMIA, metabolism/ *BLOOD, metabolism/ CAPILLARIES, metabolism/ *EXTRACELLULAR SPACE, metabolism/ HUMAN/ *IMMUNOGLOBULINS, metabolism/ KINETICS/ LIVER CIRRHOSIS, metabolism/ *LYMPH, metabolism/ MODELS, BIOLOGICAL/ MYXEDEMA, metabolism/ NEOPLASMS, metabolism/ *SERUM ALBUMIN, metabolism

3281. **Rostenberg I, Rico R, Peñaloza R:** Gc globulin and prealbumin serum levels in patients with cancer and benign inflammatory diseases and in asymptomatic smokers. JNCI 62(2):299–300, Feb 79
*ALPHA GLOBULINS, analysis/ *CARRIER PROTEINS, blood/ COMPARATIVE STUDY/ FEMALE/ GLYCOPROTEINS, blood/ HUMAN/ *INFLAMMATION, blood/ MALE/ *NEOPLASMS, blood/ NEOPLASMS, drug therapy/ *PREALBUMIN, analysis/ *SERUM ALBUMIN, analysis/ *SMOKING, physiopathology/ VITAMIN A, therapeutic use/ VITAMIN D, blood

3282. **Rothkopf M, Lenk S, Kalweit H:** Moderne Therapie und Nachsorge bei urogenitaltuberkulose. Z Gesamte Inn Med 33(19):696–701, 1 Oct 78 (Eng. Abstr.) **(Ger)**
ADRENAL CORTEX HORMONES, therapeutic use/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ ETHAMBUTOL, therapeutic use/ GENITALIA, MALE, surgery/ HOSPITALIZATION/ HUMAN/ ISONICOTINIC ACIDS, therapeutic use/ MALE/ NEPHRECTOMY/ RIFAMPIN, therapeutic use/ STREPTOMYCIN, therapeutic use/ *TUBERCULOSIS, UROGENITAL, drug therapy/ UROGENITAL SYSTEM, surgery

3283. **Rothkopf-Ischebeck M:** Phenyl isothiocyanate pleurisy in rats--a model for the evaluation of anti-exudative substances. Agents Actions 8(6):610–7, Dec 78
AGING/ ANIMAL/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ DISEASE MODELS, ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *EXUDATES AND TRANSUDATES, drug effects/ FEMALE/ LETHAL DOSE 50/ MALE/ PLEURAL EFFUSION, drug effects/ *PLEURISY, chemically induced/ PLEURISY, physiopathology/ RATS/ SPECIES SPECIFICITY/ *THIOCYANATES, pharmacodynamics/ TIME FACTORS

3284. **Rott HD:** Specific Y chromosome fluorescence in cells from hair roots. Arch Dermatol Res 263(3):343, 1 Dec 78
FLUORESCENCE/ *HAIR/ HUMAN/ MALE/ *SEX CHROMATIN, analysis/ *SEX CHROMOSOMES/ STAINS AND STAINING, methods/ *Y CHROMOSOME

3285. **Rotter V, Trainin N:** Role of thymic hormone (THF) and of a thymic plasma recirculating factor (TPRF) in the modulation of human lymphocyte response to PHA and Con A. J Immunol 122(2):414–20, Feb 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *CONCANAVALIN A, pharmacodynamics/ DIALYSIS/ FEMALE/ *FETAL BLOOD, immunology/ HUMAN/ *LYMPHOCYTE TRANSFORMATION/ *PHYTOHEMAGGLUTININS, pharmacodynamics/ THYMUS EXTRACTS, isolation & purification/ THYMUS EXTRACTS, pharmacodynamics/ *THYMUS HORMONES, pharmacodynamics

3286. **Roufogalis BD, Thornton M, Wade DN:** Comparative study of the dopamine-sensitive adenylate cyclase in the striatum and hypothalamus of rat brain. J Pharm Pharmacol 31(1):33–8, Jan 79
ADENOSINE TRIPHOSPHATE, pharmacodynamics/ *ADENYL CYCLASE, metabolism/ ANIMAL/ COMPARATIVE STUDY/ *CORPUS STRIATUM, enzymology/ *DOPAMINE, pharmacodynamics/ GUANOSINE TRIPHOSPHATE, pharmacodynamics/ *HYPOTHALAMUS, enzymology/ IN VITRO/ MAGNESIUM, pharmacodynamics/ MALE/ PHENOTHIAZINE TRANQUILIZERS, pharmacodynamics/ RATS

3287. **Rougon-Rapuzzi G, Cau P, Boudier JA, et al:** Evolution of vasopressin levels in the hypothalamo-posthypophysial system of the rat during rehydration following water deprivation. Correlation with ultrastructural aspects in the posterior lobe. Neuroendocrinology 27(1–2):46–62, 1978
ANIMAL/ *ARGIPRESSIN, metabolism/ DEHYDRATION, metabolism/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ KINETICS/ MALE/ NERVE TISSUE PROTEINS, metabolism/ *PITUITARY GLAND, POSTERIOR, metabolism/ PITUITARY GLAND, POSTERIOR, ultrastructure/ RATS/ *WATER DEPRIVATION

3288. **Rousseaux P, Bernard MH, Scherpereel B, et al:** Thrombose des sinus veineux intra-craniens (à propos de 22 cas). Neurochirurgie 24(4):197–203, 1978 (Eng. Abstr.) **(Fre)**
BACTERIAL INFECTIONS, complications/ BRAIN ABSCESS, complications/ *BRAIN INJURIES, ACUTE, complications/ BRAIN, radiography/ BRAIN, radionuclide imaging/ CEREBRAL ANGIOGRAPHY/ CONTRACEPTIVES, ORAL, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INTRACRANIAL PRESSURE/ MALE/ OTITIS, complications/ PROGNOSIS/ SINUS THROMBOSIS, chemically induced/ SINUS THROMBOSIS, diagnosis/ SINUS THROMBOSIS, drug therapy/ *SINUS THROMBOSIS, etiology/ SINUS THROMBOSIS, radiography/ SINUS THROMBOSIS, surgery

3289. **Rowe JC, Wood DH, Rowe DW, et al:** Nutritional hypophosphatemic rickets in a premature infant fed breast milk. N Engl J Med 300(6):293–6, 8 Feb 79
BREAST FEEDING/ CALCIUM, blood/ CALCIUM, therapeutic use/ CASE REPORT/ FEMALE/ HUMAN/ *INFANT NUTRITION/ INFANT/ INFANT, NEWBORN/ *INFANT, PREMATURE/ *MILK, HUMAN/ MILK, HUMAN, analysis/ *PHOSPHATES, blood/ PHOSPHATES, therapeutic use/ *PHOSPHORUS, deficiency/ RICKETS, blood/ RICKETS, drug therapy/ *RICKETS, etiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3290. **Rowell TE, Hartwell KM:** The interaction of behavior and reproductive cycles in patas monkeys. Behav Biol 24(2):141–67, Oct 78
ANIMAL/ EPITHELIUM, cytology/ ERYTHROCYTES/ *ESTRUS/ FEMALE/ IRRIGATION/ LACTATION/ LEUKOCYTE COUNT/ MENSTRUATION/ *MONKEYS/ *PATAS MONKEYS/ PREGNANCY, ANIMAL/ PUERPERIUM/ SEASONS/ SEX BEHAVIOR, ANIMAL/ *SOCIAL BEHAVIOR/ SOCIAL ENVIRONMENT/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VAGINAL SMEARS

3291. **Rowland DL, Steele MK, Moltz H:** Concentration and metabolism of serotonin in selected brain areas during pregnancy and lactation in the rat. Neuroendocrinology 27(1–2):25–31, 1978
ANIMAL/ *BRAIN, metabolism/ CEREBRAL CORTEX, metabolism/ COMPARATIVE STUDY/ FEMALE/ HIPPOCAMPUS, metabolism/ HYDROXYINDOLEACETIC ACID, metabolism/ HYPOTHALAMUS, metabolism/ *LACTATION/ PREGNANCY/ *PREGNANCY, ANIMAL/ RATS/ *SEROTONIN, metabolism/ TISSUE DISTRIBUTION

3292. **Rowland N, Engle DJ:** Hypothalamic hyperphagia prevented by prior subdiaphragmatic vagotomy: insulin hyperphagia is unaffected. Physiol Behav 21(5):685–9, Nov 78
ANIMAL/ BODY WEIGHT/ BRAIN MAPPING/ DIET/ FEEDING BEHAVIOR, drug effects/ *FEEDING BEHAVIOR, physiology/ *HYPOTHALAMUS, physiology/ *HYPOTHALAMUS, MEDIAL, physiology/ *INSULIN, pharmacodynamics/ MALE/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VAGOTOMY/ *VAGUS NERVE, physiology

3293. **Rowlands GJ, Little W, Stark AJ, et al:** The blood composition of cows in commercial dairy herds and its relationships with season and lactation. Br Vet J 135(1):64–74, Jan-Feb 79
ANIMAL/ BLOOD CHEMICAL ANALYSIS, veterinary/ *CATTLE, blood/ CATTLE, physiology/

FEMALE/ *LACTATION/ *SEASONS

3294. **Rowlands JB:** Hyperreactio luteinalis: a case report. JCU 6(5):327–9, Oct 78
ADULT/ CASE REPORT/ CHORIOCARCINOMA, diagnosis/ *CORPUS LUTEUM/ CORPUS LUTEUM, pathology/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYDATIDIFORM MOLE, diagnosis/ HYPERTROPHY/ *LUTEIN CELLS/ LUTEIN CELLS, pathology/ *OVARIAN CYSTS, diagnosis/ *PREGNANCY COMPLICATIONS, diagnosis/ PREGNANCY TRIMESTER, FIRST/ PREGNANCY/ UTERINE NEOPLASMS, diagnosis

3295. **Różewicki S, Rzepka I, Rózewicki K, et al:** Częstość występowania guzów w jajniku pozostawionym po wycięciu drugiego jajnika zmienionego nowotworowo. Przegl Lek 35(12):901–3, 1978 **(Pol)**
FEMALE/ HUMAN/ OVARIAN NEOPLASMS, prevention & control/ *OVARIAN NEOPLASMS, surgery/ RECURRENCE

3296. **Rubenfeld S, Silverman VE, Welch KM, et al:** Variable plasma propranolol levels in thyrotoxicosis. N Engl J Med 300(7):353–4, 15 Feb 79
ADMINISTRATION, ORAL/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, blood/ MALE/ PROPRANOLOL, administration & dosage/ *PROPRANOLOL, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3297. **Rubezhanskiĭ AF, Naĭnis IV, Strelets NN:** Sudebno-meditsinskie osteologicheskie issledovanie pri reshenii voprosov identifikatsii trupa i opredeleniia davnosti smerti (obzor). Sud Med Ekspert 22(1):13–7, Jan–Feb 79 **(Rus)**
ADOLESCENCE/ ADULT/ AGE DETERMINATION BY SKELETON/ AGED/ ANATOMY, COMPARATIVE/ *BONE AND BONES, pathology/ *CADAVER/ CHILD/ CHILD, PRESCHOOL/ *DEATH/ FEMALE/ *FORENSIC MEDICINE/ HUMAN/ INFANT/ MALE/ MIDDLE AGE/ POSTMORTEM CHANGES/ SEX DETERMINATION/ SEX FACTORS/ SKULL, pathology/ TIME FACTORS

3298. **Rubio Pérez P, Sánchez Sánchez ML, Durán Escribano A, et al:** Relación entre los niveles plasmáticos de T3 y T4 en la hiperfunción tiroidea. Hipertiroidismo–T3 e hipertiroidismo–T4. Rev Clin Esp 151(4):273–6, 30 Nov 78 (Eng. Abstr.) **(Spa)**
ADULT/ AGED/ ENGLISH ABSTRACT/ HUMAN/ *HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, diagnosis/ MIDDLE AGE/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood

3299. **Rubio Pérez P, García Urra D, Vila Canella T, et al:** Niveles de hormona somatotropa y alteraciones del crecimiento en los pacientes con ataxia–telangiectasia. Rev Clin Esp 151(3):207–9, 15 Nov 78 (Eng. Abstr.) **(Spa)**
ADOLESCENCE/ ADULT/ ARGININE, pharmacodynamics/ *ATAXIA TELANGIECTASIA, blood/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ GLUCAGON, pharmacodynamics/ *GROWTH, drug effects/ HUMAN/ HYPOTHALAMO–HYPOPHYSEAL SYSTEM, physiology/ MALE/ PITUITARY–ADRENAL SYSTEM, physiology/ *SOMATOTROPIN, blood/ STIMULATION, CHEMICAL

3300. **Rudali G, Assa R:** Lifespan carcinogenicity studies with hexachlorophene in mice and rats. Cancer Lett 5(6):325–32, Dec 78
ADMINISTRATION, ORAL/ AGE FACTORS/ ANIMAL/ *CARCINOGENS/ FEMALE/ HEXACHLOROPHENE, administration & dosage/ *HEXACHLOROPHENE, toxicity/ LACTATION/ MALE/ MATERNAL–FETAL EXCHANGE/ MICE/ MICE, INBRED STRAINS/ PREGNANCY/ RATS/ TIME FACTORS

3301. **Rudland PS, Jimenez de Asua L:** Action of growth factors in the cell cycle. Biochim Biophys Acta 560(1):91–133, 4 Feb 79 (276 ref.)
ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM, metabolism/ ANIMAL/ *CELL CYCLE/ CELL DIVISION/ CELL LINE/ CELL MEMBRANE, metabolism/ CELL NUMBER/ DNA, biosynthesis/ FIBROBLASTS, metabolism/ GLUCOCORTICOIDS, physiology/ GLUCOSE, metabolism/ GROWTH INHIBITORS, metabolism/ GROWTH SUBSTANCES, isolation & purification/ *GROWTH SUBSTANCES, physiology/ HELA CELLS, metabolism/ HUMAN/ INSULIN, physiology/ KINETICS/ MODELS, BIOLOGICAL/ NUCLEOTIDES, CYCLIC, metabolism/ PHOSPHATES, metabolism/ PROSTAGLANDINS F, physiology/ PROTEINS, metabolism/ REVIEW/ RNA, MESSENGER, metabolism

3302. **Rudland PS:** Hormones and cell culture. Nature 276(5684):113–4, 9 Nov 78
CELL CYCLE, drug effects/ CELL DIFFERENTIATION, drug effects/ CELL DIVISION, drug effects/ *CELLS, CULTURED, physiology/ *GROWTH SUBSTANCES, pharmacodynamics/ *HORMONES, pharmacodynamics/ RECEPTORS, HORMONE, drug effects

3303. **Rudnick G, Nelson PJ:** Platelet 5–hydroxytryptamine transport, an electroneutral mechanism coupled to potassium. Biochemistry 17(22):4739–42, 31 Oct 78
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ *BLOOD PLATELETS, metabolism/ DINITROPHENOLS, pharmacodynamics/ KINETICS/ MEMBRANE POTENTIALS, drug effects/ ONIUM COMPOUNDS, blood/ *POTASSIUM, pharmacodynamics/ *SEROTONIN, blood/ SWINE/ TRITYL COMPOUNDS, blood/ VALINOMYCIN, pharmacodynamics

3304. **Rudnick G, Nelson PJ:** Reconstitution of 5–hydroxytryptamine transport from cholate–disrupted platelet plasma membrane vesicles. Biochemistry 17(24):5300–3, 28 Nov 78
BIOLOGICAL TRANSPORT/ *BLOOD PLATELETS, metabolism/ *CELL MEMBRANE, metabolism/ *CHOLIC ACIDS, pharmacodynamics/ HUMAN/ PHOSPHOLIPIDS, pharmacodynamics/ POTASSIUM, pharmacodynamics/ *SEROTONIN, metabolism/ SODIUM, pharmacodynamics

3305. **Rudzit EA, Lisitsa LI:** Infektsionnyĭ protsess i polovye gormony. Patol Fiziol Eksp Ter (6):77–83, Nov–Dec 78 (50 ref.) **(Rus)**
ANDROGENS, therapeutic use/ ANIMAL/ ANTHRAX, prevention & control/ *ANTI–INFECTIVE AGENTS/ ANTIBIOTICS, administration & dosage/ COMMUNICABLE DISEASES, occurrence/ COMPARATIVE STUDY/ DIETHYLSTILBESTROL, administration & dosage/ DRUG THERAPY, COMBINATION/ ESCHERICHIA COLI INFECTIONS, prevention & control/ ESTRADIOL, therapeutic use/ *ESTROGENS, therapeutic use/ ESTRONE, administration & dosage/ FEMALE/ GONORRHEA, drug therapy/ GUINEA PIGS/ HUMAN/ MALE/ PNEUMOCOCCAL INFECTIONS, drug therapy/ PREGNANCY/ PYELONEPHRITIS, prevention & control/ RABBITS/ RATS/ REVIEW/ SEPTICEMIA, drug therapy/ SEX FACTORS/ STREPTOCOCCAL INFECTIONS, drug therapy/ TUBERCULOSIS, prevention & control/ VIRUS DISEASES, prevention & control/ VULVOVAGINITIS, drug therapy

3306. **Ruisseau PD, Taché Y, Brazeau P, et al:** Pattern of adenohypophyseal hormone changes induced by various stressors in female and male rats. Neuroendocrinology 27(5–6):257–71, 1978
ANIMAL/ *EXERTION/ FEMALE/ FSH, blood/ KINETICS/ LH, blood/ MALE/ PITUITARY GLAND, ANTERIOR, physiopathology/ *PITUITARY HORMONES, ANTERIOR, blood/ PROLACTIN, blood/ RATS/ *RESTRAINT, PHYSICAL/ SOMATOTROPIN, blood/ *STRESS, physiopathology/ THYROTROPIN, blood

3307. **Ruiz E, Ortega E, Roma F, et al:** Estudio del eje hipófisis–gonadal en la infancia. Desde el nacimiento a la pubertad. Rev Esp Fisiol 34(4):407–10, Dec 78 (Eng. Abstr.) **(Spa)**
ADOLESCENCE/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ FSH, secretion/ *GONADOTROPINS, PITUITARY, blood/ HUMAN/ *HYPOTHALAMO–HYPOPHYSEAL SYSTEM, physiology/ INFANT/ INFANT, NEWBORN/ LH, secretion/ MALE/ *TESTOSTERONE, blood/ TESTOSTERONE,

secretion

3308. **Ruiz-Marcos A, Sanchez-Toscano F, Escobar del Rey F, et al:** Severe hypothyroidism and the maturation of the rat cerebral cortex. Brain Res 162(2):315–29, 23 Feb 79
AGE FACTORS/ ANIMAL/ FEMALE/ MALE/ NEURONS, ultrastructure/ RATS/ SOMATOTROPIN, biosynthesis/ *THYROID HORMONES, blood/ THYROIDECTOMY/ THYROTROPIN, blood/ VISUAL CORTEX, anatomy & histology/ *VISUAL CORTEX, growth & development

3309. **Rumpf KW, Schächterle B, Schmidt S, et al:** Different responses of active and inactive plasma renin to various stimuli. Clin Sci Mol Med 55 Suppl 4:155s–157s, Dec 78
ENZYME ACTIVATION, drug effects/ FUROSEMIDE, pharmacodynamics/ HUMAN/ INDOMETHACIN, pharmacodynamics/ INFORMED CONSENT/ POSTURE/ *RENIN, blood

3310. **Rundgren M, McKinley MJ, Leksell LG, et al:** Inhibition of thirst and apparent ADH release by intracerebroventricular ethacrynic acid. Acta Physiol Scand 105(1):123–5, Jan 79
ANIMAL/ ETHACRYNIC ACID, administration & dosage/ *ETHACRYNIC ACID, pharmacodynamics/ FEMALE/ GOATS/ INJECTIONS, INTRAVENTRICULAR/ MALE/ SECRETORY RATE, drug effects/ *THIRST, drug effects/ THIRST, physiology/ *VASOPRESSINS, secretion/ WATER-ELECTROLYTE BALANCE, drug effects

3311. **Runey WM, Runey GL, Lauter FH:** Gametogenesis and fertilization in Rhabdias ranae Walton 1929: I. The parasitic hermaphrodite. J Parasitol 64(6):1008–14, Dec 78
CHROMOSOMES/ FERTILIZATION/ HERMAPHRODITISM/ NEMATODA, anatomy & histology/ *NEMATODA, physiology/ OOCYTES, ultrastructure/ OOGENESIS/ SPERMATOCYTES, ultrastructure/ SPERMATOGENESIS

3312. **Rupp RG, Fuller GM:** The effects of leucocytic and serum factors on fibrinogen biosynthesis in cultured hepatocytes. Exp Cell Res 118(1):23–30, Jan 79
*BLOOD/ CELLS, CULTURED/ CULTURE MEDIA/ CYCLOHEXIMIDE, pharmacodynamics/ *FIBRINOGEN, biosynthesis/ HYDROCORTISONE, pharmacodynamics/ *LEUKOCYTES/ *LIVER, cytology/ LIVER, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3313. **Rush RW, Bloch B:** The possibilities for early diagnosis of ovarian carcinoma [editorial] S Afr Med J 54(12):464, 16 Sep 78
ADENOCARCINOMA, diagnosis/ ADENOCARCINOMA, immunology/ CARCINOEMBRYONIC ANTIGEN, analysis/ FEMALE/ HUMAN/ *OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, immunology

3314. **Rush RW, Bennett MB, Vader C:** The five-year survival rate in urban patients with ovarian carcinoma. S Afr Med J 54(12):471–2, 16 Sep 78
ADOLESCENCE/ ADULT/ AGED/ *CARCINOMA, mortality/ FEMALE/ HUMAN/ MIDDLE AGE/ NEOPLASM STAGING/ *OVARIAN NEOPLASMS, mortality/ SOUTH AFRICA

3315. **Rushton DI:** XY gonadal dysgenesis [letter] Lancet 1(8109):209, 27 Jan 79
CALCINOSIS, pathology/ COMPARATIVE STUDY/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ KLINEFELTER'S SYNDROME, pathology/ MALE/ OVARY, pathology/ *SEX CHROMOSOME ABNORMALITIES, familial & genetic/ SEX CHROMOSOME ABNORMALITIES, pathology/ TESTIS, pathology/ TURNER'S SYNDROME, pathology

3316. **Russell AS, Chalmers IM, Percy JS, et al:** Long term effectiveness of low dose mithramycin for Paget's disease of bone. Arthritis Rheum 22(3):215–8, Mar 79
AGED/ ALKALINE PHOSPHATASE, blood/ BONE AND BONES, radionuclide imaging/ DRUG EVALUATION/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ MIDDLE AGE/ MITHRAMYCIN, administration & dosage/ MITHRAMYCIN, adverse effects/ *MITHRAMYCIN, therapeutic use/ OSTEITIS DEFORMANS, diagnosis/ *OSTEITIS DEFORMANS, drug therapy/ OSTEITIS DEFORMANS, radionuclide imaging/ TIME FACTORS

3317. **Rutledge BJ:** Hypophysectomy in the treatment of pain from metastatic carcinoma. J Okla State Med Assoc 72(2):37–40, Feb 79
*BREAST NEOPLASMS, complications/ FEMALE/ HUMAN/ *HYPOPHYSECTOMY/ MALE/ NEOPLASM METASTASIS/ PAIN, etiology/ *PAIN, therapy/ *PROSTATIC NEOPLASMS, complications

3318. **Rybak M, Soltysik-Wilk E, Pietrzyk JJ, et al:** Genetický základ familiární formy hypothalamo-hypofyzárního nanismu u dětí. Cesk Pediatr 33(10):594–7, Oct 78 (Eng. Abstr.) **(Cze)**
ADOLESCENCE/ ADULT/ CHILD/ *DWARFISM, PITUITARY, familial & genetic/ DWARFISM, PITUITARY, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ MALE

3319. **Ryffel GU:** Synthesis of vitellogenin, an attractive model for investigating hormone-induced gene activation. Mol Cell Endocrinol 12(3):237–46, Dec 78 (58 ref.)
ANIMAL/ CELL NUCLEUS, metabolism/ CHICKENS/ COMPARATIVE STUDY/ CYTOPLASM, metabolism/ DNA, metabolism/ EGG YOLK/ ENZYME REPRESSION, drug effects/ *ESTROGENS, pharmacodynamics/ FEMALE/ GENES, drug effects/ GENETIC CODE/ *LIPOPROTEINS, biosynthesis/ LIVER, metabolism/ MALE/ PROTEINS, biosynthesis/ REVIEW/ *RNA, MESSENGER, metabolism/ SEX FACTORS/ SPECIES SPECIFICITY/ TRANSCRIPTION, GENETIC, drug effects/ TRANSLATION, GENETIC/ *VITELLOGENIN, biosynthesis/ XENOPUS

3320. **Rynes RI, Merzig EG:** Calcium pyrophosphate crystal deposition disease and hyperparathyroidism: a controlled, prospective study. J Rheumatol 5(4):460–8, Winter 78
ADULT/ AGED/ *CALCIUM PYROPHOSPHATE, metabolism/ CHONDROCALCINOSIS, complications/ *CHONDROCALCINOSIS, metabolism/ CHONDROCALCINOSIS, radiography/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, complications/ *HYPERPARATHYROIDISM, metabolism/ MALE/ MIDDLE AGE/ ORGAN WEIGHT/ PARATHYROID GLANDS, anatomy & histology/ PARATHYROID HORMONE, blood/ PROSPECTIVE STUDIES/ *PYROPHOSPHATES, metabolism/ SYNOVIAL FLUID, analysis

3321. **Rysánek K, Přikryl P, Kunovská V, et al:** Lack of correlation between total catecholamines, dopamine-beta-hydroxylase, cyclic AMP and prostaglandins in blood after physical load. Act Nerv Super (Praha) 20(4):301, 1978
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ ADULT/ *CATECHOLAMINES, blood/ *DOPAMINE BETA-HYDROXYLASE, blood/ *EXERTION/ HUMAN/ MALE/ PROSTAGLANDINS A, blood/ PROSTAGLANDINS E, blood/ PROSTAGLANDINS F, blood/ *PROSTAGLANDINS, blood

3322. **Ryzhavskiĭ BIa:** Aktivnost' adenilattsiklazy v nadpochechnikakh émbrionov cheloveka. Probl Endokrinol (Mosk) 25(1):28–30, Jan–Feb 79 (Eng. Abstr.) **(Rus)**
*ADENYL CYCLASE, metabolism/ *ADRENAL GLANDS, embryology/ ADRENAL GLANDS, enzymology/ ENGLISH ABSTRACT/ GESTATIONAL AGE/ HISTOCYTOCHEMISTRY/ HUMAN

3323. **Ryzhikov VD:** Izmeneniia EKG u bol'nykh s aktivnoĭ formoĭ bolezni Itsenko-Kushinga i v sostoianii klinicheskoĭ remissii. Zdravookhr Kirg (6):22–6, Nov–Dec 78 **(Rus)**
ADRENAL CORTEX FUNCTION TESTS/ ADULT/ ARRHYTHMIA, physiopathology/ CHRONIC DISEASE/ COMPARATIVE STUDY/ CUSHING'S SYNDROME, metabolism/ *CUSHING'S SYNDROME, physiopathology/ *ELECTROCARDIOGRAPHY/ ELECTROLYTES, blood/ HUMAN/ MIDDLE AGE/ REMISSION

S

3324. **Saal JR, Coombe IF, Thomas BW, et al:** Cerebellar

calcification--ultrastructure and histochemistry. Pathology 10(4):351-63, Oct 78
CALCINOSIS, etiology/ CALCINOSIS, metabolism/ *CALCINOSIS, pathology/ CALCIUM, metabolism/ CEREBELLAR DISEASES, metabolism/ *CEREBELLAR DISEASES, pathology/ CHILD/ HUMAN/ IRON, metabolism/ LEAD, metabolism/ MALE/ PHOSPHORUS, metabolism/ POLYSACCHARIDES, metabolism/ SIALIC ACIDS, metabolism

3325. **Saavedra JM, Kvetnansky R, Kopin IJ:** Adrenaline, noradrenaline and dopamine levels in specific brain stem areas of acutely immobilized rats. Brain Res 160(2):271-80, 12 Jan 79
ANIMAL/ *BRAIN STEM, metabolism/ CORTICOSTERONE, blood/ *DOPAMINE, metabolism/ *EPINEPHRINE, metabolism/ LOCUS COERULEUS, metabolism/ MALE/ *NOREPINEPHRINE, metabolism/ RATS/ RESTRAINT, PHYSICAL

3326. **Sabatini S, Arruda JA, Kurtzman NA:** Disorders of acid-base balance. Med Clin North Am 62(6):1223-55, Nov 78 (49 ref.)
ACID-BASE EQUILIBRIUM/ *ACIDOSIS/ ACIDOSIS, drug therapy/ ACIDOSIS, etiology/ ACIDOSIS, RENAL TUBULAR, etiology/ ALDOSTERONE, metabolism/ *ALKALOSIS/ ALKALOSIS, chemically induced/ ALKALOSIS, drug therapy/ ALKALOSIS, etiology/ AMMONIA, metabolism/ BICARBONATES, metabolism/ BICARBONATES, therapeutic use/ HUMAN/ HYPERCAPNIA, complications/ KIDNEY, metabolism/ MINERALOCORTICOIDS, SYNTHETIC, adverse effects/ POTASSIUM DEFICIENCY, metabolism/ POTASSIUM, metabolism/ REVIEW

3327. **Sacca JD:** Hereditary angioedema (HAE). Ann Allergy 42(2):88-90, Feb 79
ADOLESCENCE/ ANGIONEUROTIC EDEMA, diagnosis/ *ANGIONEUROTIC EDEMA, drug therapy/ ANGIONEUROTIC EDEMA, familial & genetic/ CASE REPORT/ DANAZOL, therapeutic use/ FEMALE/ HUMAN

3328. **Sachs L:** The differentiation of myeloid leukaemia cells: new possibilities for therapy. Br J Haematol 40(4):509-17, Dec 78 (56 ref.)
ANIMAL/ *CELL DIFFERENTIATION/ CELL DIFFERENTIATION, drug effects/ CLONE CELLS/ *COLONY-STIMULATING FACTOR/ DEXAMETHASONE, pharmacodynamics/ GRANULOCYTES, pathology/ LECTINS, pharmacodynamics/ *LEUKEMIA, MYELOCYTIC, pathology/ LEUKEMIA, MYELOCYTIC, therapy/ MACROPHAGES, pathology/ MICE/ POLYCYCLIC HYDROCARBONS, pharmacodynamics/ REVIEW

3329. **Sachs NJ:** Tooth movement. Int J Orthod 16(4):22-7, Dec 78
BONE AND BONES, physiology/ CHILD/ FINGERSUCKING, complications/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, ANCIENT/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ ORTHODONTIC APPLIANCES/ SELF MUTILATION/ STRESS, MECHANICAL/ TOOTH MIGRATION, etiology/ *TOOTH MOVEMENT, MINOR/ TOOTH MOVEMENT, MINOR, history

3330. **Sack J, Mashiach S, Barkai G, et al:** Intra-amniotic thyroxine (T4) absorption by the premature human foetus. Acta Endocrinol (Copenh) 90(2):361-4, Feb 79
AMNION/ FEMALE/ FETAL BLOOD, analysis/ *FETUS, metabolism/ HUMAN/ INFANT, NEWBORN/ *INFANT, PREMATURE/ INJECTIONS/ MATERNAL-FETAL EXCHANGE/ PREGNANCY COMPLICATIONS, blood/ PREGNANCY/ THYROXINE, administration & dosage/ THYROXINE, blood/ *THYROXINE, metabolism

3331. **Sacks HS, Shahshahani M, Kitabchi AE, et al:** Similar responsiveness of diabetic ketoacidosis to low-dose insulin by intramuscular injection and albumin-free infusion. Ann Intern Med 90(1):36-42, Jan 79
*ACIDOSIS, DIABETIC, drug therapy/ ADULT/ BLOOD SUGAR, analysis/ COMPARATIVE STUDY/ GLUCAGON, blood/ HUMAN/ HYDROCORTISONE, blood/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ *INSULIN, administration & dosage/ INSULIN, therapeutic use/ KETONE BODIES, blood/ KETOSIS, DIABETIC, blood/ *KETOSIS, DIABETIC, drug therapy/ PROSPECTIVE STUDIES/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3332. **Sadílková M, Nevoral V:** Resorpce jódu ze vzduchu během jódových koupelí. Fysiatr Reumatol Vestn 57(1):48-52, Jan 79 (Eng. Abstr.) (Cze)
*AIR, analysis/ *BATHS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *IODINE, analysis/ MALE/ *RESPIRATION/ SEX FACTORS

3333. **Saebø J, Ueland PM:** An adenosine 3':5'-monophosphate adenosine-binding protein from mouse liver. Association with S-adenosylhomocysteinase activity. FEBS Lett 96(1):125-8, 1 Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE, metabolism/ ANIMAL/ *CARRIER PROTEINS, isolation & purification/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HOMOCYSTEINE, metabolism/ *HYDROLASES, metabolism/ HYDROLYSIS/ *LIVER, metabolism/ MICE/ S-ADENOSYLHOMOCYSTEINE, metabolism

3334. **Saez JM, Haour F, Tell GP, et al:** Human chorionic gonadotropin-induced Leydig cell refractoriness to gonadotropin stimulation. Mol Pharmacol 14(6):1054-62, Nov 78
ADENYL CYCLASE, metabolism/ ANIMAL/ GONADOTROPINS, CHORIONIC, metabolism/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ *LEYDIG CELLS, drug effects/ LEYDIG CELLS, metabolism/ MALE/ RATS/ TESTIS, drug effects/ TESTIS, metabolism/ TESTOSTERONE, metabolism/ 3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism

3335. **Sagar VV, Meckelnburg RL, Piccone JM:** Resolution of bone scan changes in hypertrophic pulmonary osteoarthropathy in untreated carcinoma of the lung. Clin Nucl Med 3(12):472-5, Dec 78
*ADENOCARCINOMA, complications/ *BONE AND BONES, radionuclide imaging/ CASE REPORT/ HUMAN/ *LUNG NEOPLASMS, complications/ MALE/ MIDDLE AGE/ *OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC, complications/ OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC, radionuclide imaging/ REMISSION

3336. **Saha GB, Boyd CM:** Plasma protein binding of 99mTc-pyrophosphate. Int J Nucl Med Biol 5(6):236-9, 1978
*BLOOD PROTEINS/ BONE AND BONES/ HUMAN/ KINETICS/ PROTEIN BINDING/ *PYROPHOSPHATES, pharmacodynamics/ *TECHNETIUM, pharmacodynamics

3337. **Sahib MK, Schwartz JH, Handler JS:** Inhibition of toad urinary bladder sodium transport by carbamylcholine: possible role of cyclic GMP. Am J Physiol 235(6):F586-91, Dec 78
A-23187, pharmacodynamics/ ALDOSTERONE, pharmacodynamics/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ *BLADDER, metabolism/ BUFO MARINUS/ *CARBACHOL, pharmacodynamics/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ IN VITRO/ *SODIUM, metabolism/ VASOPRESSINS, pharmacodynamics/ 1-METHYL-3-ISOBUTYLXANTHINE, pharmacodynamics

3338. **Sahu S, Lynn WS:** Metabolism of arachidonic acid in rabbit alveolar macrophages. Inflammation 2(3):191-7, Sep 77
ANIMAL/ *ARACHIDONIC ACIDS, metabolism/ FATTY ACIDS, biosynthesis/ IN VITRO/ *MACROPHAGES, metabolism/ PHOSPHOLIPIDS, biosynthesis/ PROSTAGLANDINS, biosynthesis/ PULMONARY ALVEOLI, cytology/ *PULMONARY ALVEOLI, metabolism/ RABBITS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3339. **Saito I, Saruta T, Eguchi T, et al:** Role of renin-angiotensin system in the controls of blood pressure and aldosterone in patients with cirrhosis and ascites. Jpn Heart J 19(5):741-7, Sep 78
ADULT/ AGED/ ALDOSTERONE, blood/ *ANGIOTENSIN II, physiology/ ASCITES, blood/ *ASCITES, physiopathology/ *BLOOD PRESSURE/

BLOOD PRESSURE, drug effects/ DEPRESSION, CHEMICAL/ FEMALE/ HUMAN/ INFUSIONS, PARENTERAL/ LIVER CIRRHOSIS, blood/ *LIVER CIRRHOSIS, physiopathology/ MALE/ MIDDLE AGE/ RENIN, blood/ *RENIN, physiology/ SARALASIN, administration & dosage/ SARALASIN, pharmacodynamics

3340. **Sajgó M, Löw M, Kisfaludy L:** Untersuchungen über den enzymatischen Abbau von tert-Butyltryptophan-haltigen Peptiden. Hoppe Seylers Z Physiol Chem 360(1):9-12, Jan 79 (Eng. Abstr.) **(Ger)**
*AMINOPEPTIDASES/ *CHYMOTRYPSIN/ *CORTICOTROPIN, analogs & derivatives/ ENGLISH ABSTRACT/ SUBSTRATE SPECIFICITY/ *TRYPSIN/ *TRYPTOPHAN, analogs & derivatives

3341. **Sakai K:** Tryptaminergic mechanism participating in induction of vasoconstriction by adenine nucleotides, adenosine, IMP and inosine in the isolated and blood-perfused hindlimb preparation of the rat. Jpn J Pharmacol 28(4):579-87, Aug 78
*ADENINE NUCLEOTIDES, pharmacodynamics/ *ADENOSINE, pharmacodynamics/ ANIMAL/ BLOOD FLOW VELOCITY/ FEMORAL ARTERY, drug effects/ FEMORAL VEIN, drug effects/ IN VITRO/ *INOSINE MONOPHOSPHATE, pharmacodynamics/ *INOSINE NUCLEOTIDES, pharmacodynamics/ *INOSINE, pharmacodynamics/ MALE/ METHYSERGIDE, pharmacodynamics/ PERFUSION/ RATS/ RESERPINE, pharmacodynamics/ *SEROTONIN, metabolism/ *VASOCONSTRICTION, drug effects/ *VASOCONSTRICTOR AGENTS

3342. **Sakai M, Fujii-Kuriyama Y, Muramatsu M:** Number and frequency of protamine genes in rainbow trout testis. Biochemistry 17(25):5510-5, 12 Dec 78
ANIMAL/ CELL NUCLEUS, metabolism/ *DNA/ DNA, metabolism/ *GENES/ KINETICS/ MALE/ NUCLEIC ACID DENATURATION/ NUCLEIC ACID HYBRIDIZATION/ *PROTAMINES, biosynthesis/ REVERSE TRANSCRIPTASE/ *RNA, MESSENGER/ RNA, MESSENGER, metabolism/ *TESTIS, metabolism/ TRANSCRIPTION, GENETIC/ TRANSLATION, GENETIC/ TROUT

3343. **Sakai M, Miyake H, Koga K, et al:** [Karyotypes of Japanese otosclerotic patients: with reference to triple-X female (author's transl)] Nippon Jibiinkoka Gakkai Kaiho 81(11):1432-8, Nov 78 (Eng. Abstr.) **(Jpn)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ KARYOTYPING/ MALE/ MIDDLE AGE/ *OTOSCLEROSIS, familial & genetic/ PEDIGREE/ *SEX CHROMOSOME ABNORMALITIES

3344. **Sakai S, Enami J, Nandi S, et al:** Prolactin receptor on dissociated mammary epithelial cells at different stages of development. Mol Cell Endocrinol 12(3):285-98, Dec 78
ANIMAL/ BINDING SITES/ CLOSTRIDIOPEPTIDASE A/ DNA, metabolism/ EPITHELIUM, cytology/ EPITHELIUM, metabolism/ FEMALE/ *LACTATION/ *MAMMAE, physiology/ MAMMAE, ultrastructure/ MICE/ MICE, INBRED BALB C/ PREGNANCY/ *PROLACTIN, metabolism/ PROTEINS, metabolism/ *RECEPTORS, HORMONE, metabolism/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3345. **Sakai S, Banerjee MR:** Glucocorticoid modulation of prolactin receptors on mammary cells of lactating mice. Biochim Biophys Acta 582(1):79-88, 4 Jan 79
ADRENAL GLANDS, physiology/ ANIMAL/ FEMALE/ *GLUCOCORTICOIDS, physiology/ HYDROCORTISONE, pharmacodynamics/ *LACTATION/ *MAMMAE, physiology/ MICE/ MICE, INBRED BALB C/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ *PROLACTIN, metabolism/ *RECEPTORS, HORMONE/ RECEPTORS, HORMONE, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3346. **Sakai Y, Kobayashi K, Iwata N:** Effects of an anabolic steroid and vitamin B complex upon myopathy induced by corticosteroids. Eur J Pharmacol 52(3-4):353-9, 1 Dec 78
ANIMAL/ BODY WEIGHT, drug effects/ CREATINE, urine/ CREATININE, urine/ DEXAMETHASONE, antagonists & inhibitors/ *GLUCOCORTICOIDS, antagonists & inhibitors/ MALE/ MUSCLE CONTRACTION, drug effects/ MUSCULAR DISEASES, chemically induced/ *MUSCULAR DISEASES, prevention & control/ *NANDROLONE, pharmacodynamics/ RATS/ TIME FACTORS/ *VITAMIN B COMPLEX, pharmacodynamics

3347. **Sakiyama T, Robinson JC, Chou JY:** Characterization of alkaline phosphatases from human first trimester placentas. J Biol Chem 254(3):935-8, 10 Feb 79
ALKALINE PHOSPHATASE, isolation & purification/ *ALKALINE PHOSPHATASE, metabolism/ FEMALE/ HUMAN/ KINETICS/ *PLACENTA, enzymology/ PRECIPITIN TESTS/ *PREGNANCY TRIMESTER, FIRST/ PREGNANCY

3348. **Sakiyama T, Robinson JC, Chou JY:** Multiple forms of alkaline phosphatase in untreated and 5-bromo-2'-deoxyuridine-treated choriocarcinoma cells. Arch Biochem Biophys 191(2):782-91, Dec 78
ALKALINE PHOSPHATASE, isolation & purification/ *ALKALINE PHOSPHATASE, metabolism/ *BROMODEOXYURIDINE, pharmacodynamics/ CELL LINE/ CHORIOCARCINOMA, enzymology/ DRUG STABILITY/ ISOENZYMES, isolation & purification/ *ISOENZYMES, metabolism/ KINETICS/ MOLECULAR WEIGHT/ PRECIPITIN TESTS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3349. **Salahovic S, Grgičevic D, Delimar N, et al:** Utjecaj oralnih kontraceptiva na zgrušavanje krvi. (Rezultati ispitivanja nakon godinu dana). Lijec Vjesn 100(9):525-9, Sep 78 (Eng. Abstr.) **(Scr)**
ADULT/ *BLOOD COAGULATION, drug effects/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ENGLISH ABSTRACT/ HUMAN/ MALE

3350. **Salakhova NS, Mirmakhmudova SI, Gainutdinov MKh, et al:** Razvitie reaktsii tkaneĭ plodov krolikov na tiroksin. Biull Eksp Biol Med 86(12):721-3, Dec 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ CHINCHILLAS/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ GESTATIONAL AGE/ GLYCEROLPHOSPHATE DEHYDROGENASE, metabolism/ LIVER, drug effects/ *LIVER, embryology/ LIVER, enzymology/ MITOCHONDRIA, LIVER, enzymology/ PREGNANCY/ RABBITS/ *THYROXINE, pharmacodynamics

3351. **Sallum J, Assis LM, Andrade AR, et al:** Puberdade precoce devido a hamartoma hipotalâmico. AMB 23(3):93-6, May 77 (Eng. Abstr.) **(Por)**
*BRAIN NEOPLASMS, complications/ BRAIN NEOPLASMS, pathology/ CASE REPORT/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ *HAMARTOMA, complications/ HAMARTOMA, pathology/ HUMAN/ *HYPOTHALAMUS/ HYPOTHALAMUS, pathology/ MALE/ *PUBERTY, PRECOCIOUS, etiology

3352. **Salomon DS, Pratt RM:** Inhibition of growth in vitro by glucocorticoids in mouse embryonic facial mesenchyme cells. J Cell Physiol 97(3 Pt 1):315-27, Dec 78
ANIMAL/ BINDING SITES, drug effects/ CELLS, CULTURED/ CLEFT PALATE, chemically induced/ DEPRESSION, CHEMICAL/ *DEXAMETHASONE, pharmacodynamics/ FACE, embryology/ *GERM LAYERS, physiology/ MICE/ *MICE, INBRED A, embryology/ *MICE, INBRED C57BL, embryology/ SPECIES SPECIFICITY

3353. **Samanta TB, Roy N, Chattopadhyay S:** An improved 11 alpha-hydroxylation of progesterone by Aspergillus ochraceus TS. Biochem J 176(2):593-4, 15 Nov 78
*ASPERGILLUS, metabolism/ HYDROXYLATION/ *HYDROXYPROGESTERONES, biosynthesis/ *PROGESTERONE, metabolism

3354. **Samizadeh A, Wessels F, Losse H:** Beziehungen zwischen Magnesium- und Parathormonstoffwechsel bei gesunden Probanden, Patienten mit chronischer Niereninsuffizienz (CNI) und Dauerdialyse-Patienten (DDP). Verh Dtsch Ges Inn Med (84):1294-7, 1978 **(Ger)**
ADOLESCENCE/ ADULT/ HEMODIALYSIS/ HUMAN/ *KIDNEY FAILURE, CHRONIC, metabolism/ *MAGNESIUM, metabolism/ MIDDLE

AGE/ *PARATHYROID HORMONE, metabolism

3355. **Samizadeh A, Wessels F, Losse H:** Einfluss von Kochsalzkonsum, psychischem Stress und Ovulationshemmern auf den Blutdruckverlauf bei Ratten mit erblicher spontaner Hypertonie (SH-Ratten). Verh Dtsch Ges Inn Med (84):803-6, 1978 **(Ger)**
ANIMAL/ *CONTRACEPTIVE AGENTS, adverse effects/ ESTROGENS, adverse effects/ FEMALE/ *HYPERTENSION, etiology/ MALE/ PROGESTERONE, adverse effects/ RATS/ RATS, INBRED STRAINS/ *SODIUM CHLORIDE, adverse effects/ STRESS, PSYCHOLOGICAL

3356. **Samizadeh A, Loew H, Losse H:** Densitometrische Untersuchungen mit Hilfe der Photonenabsorptionsteehnik bei renaler Osteopathie. Verh Dtsch Ges Inn Med (84):1113-5, 1978 **(Ger)**
*DENSITOMETRY, methods/ HUMAN/ KIDNEY FAILURE, CHRONIC, complications/ *RADIUS, pathology/ RENAL OSTEODYSTROPHY, etiology/ *RENAL OSTEODYSTROPHY, pathology

3357. **Samson MK, Baker LH, Talley RW, et al:** VM26 (NSC-122819): a clinical study in advanced cancer of the lung and ovary. Eur J Cancer 14(12):1395-9, Dec 78
ADENOCARCINOMA, drug therapy/ ADULT/ AGED/ CARCINOMA, EPIDERMOID, drug therapy/ CARCINOMA, OAT CELL, drug therapy/ FEMALE/ HUMAN/ LEUKOPENIA, chemically induced/ *LUNG NEOPLASMS, drug therapy/ MALE/ MIDDLE AGE/ *OVARIAN NEOPLASMS, drug therapy/ *PODOPHYLLOTOXIN, analogs & derivatives/ REMISSION/ THROMBOPENIA, chemically induced/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VM 26, adverse effects/ *VM 26, therapeutic use

3358. **Samuelsson B:** Prostaglandins and thromboxanes. Recent Prog Horm Res 34:239-58, 1978 (59 ref.)
ANIMAL/ BLOOD PLATELETS, physiology/ HUMAN/ PROSTAGLANDIN ENDOPEROXIDES, physiology/ PROSTAGLANDINS X, physiology/ *PROSTAGLANDINS, physiology/ REVIEW/ THROMBOXANES, analysis/ *THROMBOXANES, physiology

3359. **Sánchez Fayos J, Outeiriño J, de Villalobos E, et al:** Leucemias agudas linfoblásticas. Resultados de un intento de terapéutica de erradicación en ochenta y tres casos. Sangre (Barc) 23(6):847-57, 1978 (Eng. Abstr.) **(Spa)**
ADOLESCENCE/ ADULT/ ANTIBIOTICS, ANTINEOPLASTIC, administration & dosage/ *ANTIBIOTICS, ANTINEOPLASTIC, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ *LEUKEMIA, LYMPHOBLASTIC, drug therapy/ MALE/ *PREDNISONE, therapeutic use

3360. **Sánchez Yus E:** Pronóstico y tratamiento actual de la dermatomiositis. Med Cutan Iber Lat Am 5(5):367-72, 1977 (Eng. Abstr.) **(Spa)**
ADULT/ BODY WEIGHT/ CALCINOSIS, chemically induced/ CHILD/ *DERMATOMYOSITIS, drug therapy/ ENGLISH ABSTRACT/ HUMAN/ *PREDNISONE, administration & dosage/ PREDNISONE, adverse effects/ PROGNOSIS

3361. **Sandberg AL, Raisz LG, Goodson JM, et al:** Complement dependent bone resorption. pp. 159-71. In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.
ANIMAL/ ANTIBODIES/ ANTIGEN-ANTIBODY REACTIONS/ ARACHIDONIC ACIDS, pharmacodynamics/ BONE AND BONES, drug effects/ BONE AND BONES, metabolism/ *BONE RESORPTION/ BONE RESORPTION, drug effects/ CALCIUM, metabolism/ *COMPLEMENT/ FETUS/ IGG/ IMMUNOGLOBULINS, FAB/ INDOMETHACIN, pharmacodynamics/ MONOGRAPH/ PROSTAGLANDINS E, metabolism/ RADIOIMMUNOASSAY/ RATS/ SPLEEN, physiology

3362. **Sandow J, Koenig W:** Biological activity of fragments of a highly active luteinizing hormone releasing hormone analogue [proceedings] J Endocrinol 79(2):56P, Nov 78
*LH-FSH RELEASING HORMONE, analogs & derivatives/ LH-FSH RELEASING HORMONE, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP

3363. **Sangalang GB, Freeman HC, Flemming RB:** A simple technique for determining the sex of fish by radioimmunoassay using 11-ketotestosterone antiserum. Gen Comp Endocrinol 36(2):187-93, Oct 78
AGING/ ANIMAL/ COMPARATIVE STUDY/ FEMALE/ FISHES/ MALE/ RADIOIMMUNOASSAY, methods/ *SEX DETERMINATION/ SPECIES SPECIFICITY/ *TESTOSTERONE, analogs & derivatives/ TESTOSTERONE, blood/ TROUT

3364. **Sanguigni D, Benvenuti C:** Confronto fra spironolattone e amiloride associati a idroclorotiazide nel trattamento dell'ipertensione lieve e moderata. Clin Ter 87(1):69-74, 15 Oct 78 (Eng. Abstr.) **(Ita)**
AMILORIDE, administration & dosage/ AMILORIDE, adverse effects/ *AMILORIDE, therapeutic use/ BLOOD SUGAR, analysis/ COMPARATIVE STUDY/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCHLOROTHIAZIDE, administration & dosage/ HYDROCHLOROTHIAZIDE, adverse effects/ *HYDROCHLOROTHIAZIDE, therapeutic use/ *HYPERTENSION, drug therapy/ MALE/ MIDDLE AGE/ POTASSIUM, blood/ *PYRAZINES, therapeutic use/ SPIRONOLACTONE, administration & dosage/ SPIRONOLACTONE, adverse effects/ *SPIRONOLACTONE, therapeutic use/ URIC ACID, blood

3365. **Sankolli GM, Rajani U, Panjabi J, et al:** Capillary and venous blood estrogen in pregnancy. Obstet Gynecol 53(1):109-10, Jan 79
*CAPILLARIES/ *ESTROGENS, blood/ FEMALE/ HUMAN/ PREGNANCY COMPLICATIONS, blood/ PREGNANCY TRIMESTER, THIRD/ *PREGNANCY/ RISK/ *VEINS

3366. **Sanmarco JL, Heim M, Simonin R, et al:** Modification des résultats d'exploration thyroïdienne entre 1969 et 1977. Le pool iodé des patients explorés augmente. Nouv Presse Med 7(44):4047, 9 Dec 78 (Eng. Abstr.)**(Fre)**
ENGLISH ABSTRACT/ HUMAN/ *IODINE, analysis/ *THYROID FUNCTION TESTS/ TIME FACTORS

3367. **Santen RJ, Veldhuis J, Samojlik E, et al:** Mechanism of action of aminoglutethimide in breast cancer [letter] Lancet 1(8106):44-5, 6 Jan 79
ADULT/ AGED/ *AMINOGLUTETHIMIDE, therapeutic use/ ANDROSTENEDIONE, antagonists & inhibitors/ *BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, metabolism/ ESTRADIOL ANTAGONISTS/ ESTRADIOL, biosynthesis/ ESTRONE, antagonists & inhibitors/ ESTRONE, biosynthesis/ FEMALE/ HUMAN/ MENOPAUSE/ MIDDLE AGE/ NEOPLASM METASTASIS/ TESTOSTERONE, antagonists & inhibitors

3368. **Santoro MG, Benedetto A, Jaffe BM:** Hydrocortisone inhibits DMSO - induced differentiation of Friend erythroleukemia cells. Biochem Biophys Res Commun 85(4):1510-7, 29 Dec 78
*CELL DIFFERENTIATION, drug effects/ CELL LINE/ DEXAMETHASONE, pharmacodynamics/ *DIMETHYL SULFOXIDE, pharmacodynamics/ ERYTHROLEUKEMIA/ GLUCOCORTICOIDS, pharmacodynamics/ HEMOGLOBINS, biosynthesis/ *HYDROCORTISONE, pharmacodynamics/ KINETICS/ SEX HORMONES, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED

3369. **Sanyal MK:** Secretion of progesterone during gestation in the rat. J Endocrinol 79(2):179-90, Nov 78
ANIMAL/ CASTRATION/ FEMALE/ OVARY, blood supply/ *OVARY, secretion/ *PLACENTA, secretion/ PREGNANCY/ *PREGNANCY, ANIMAL/ PREGNANEDIONES, blood/ PREGNANEDIONES, secretion/ PROGESTERONE, blood/ *PROGESTERONE, secretion/ RATS/ UTERUS, blood supply

3370. **Sanyal S, Patra PB, Biswas NM:** Histochemical studies on the long term prostaglandin treatment on adrenal delta5-3beta-hydroxysteroid dehydrogenase and

glucose-6-phosphate dehydrogenase activities in rats pretreated with estradiol dipropionate. Anat Anz 144(3):214-9, 1978
*ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, enzymology/ ANIMAL/ *GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ HISTOCYTOCHEMISTRY/ MALE/ ORGAN WEIGHT, drug effects/ *PROSTAGLANDINS E, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ *3-HYDROXYSTEROID DEHYDROGENASES, analysis

3371. **Sanyal S, Patra PB, Biswas NM:** Histochemical studies of testicular delta5-3beta-hydroxysteroid dehydrogenase and 17beta-hydroxysteroid dehydrogenase after chronic indomethacin administration in rats pretreated with clomiphene-citrate. Andrologia 11(1):51-6, Jan 79
ANIMAL/ *CLOMIPHENE, pharmacodynamics/ HISTOCYTOCHEMISTRY/ INDOMETHACIN, administration & dosage/ *INDOMETHACIN, pharmacodynamics/ MALE/ ORGAN WEIGHT, drug effects/ RATS/ *TESTIS, enzymology/ *17-HYDROXYSTEROID DEHYDROGENASES, metabolism/ *3-HYDROXYSTEROID DEHYDROGENASES, metabolism

3372. **Saper CB, Swanson LW, Cowan WM:** Some efferent connections of the rostral hypothalamus in the squirrel monkey (Saimiri sciureus) and cat. J Comp Neurol 184(2):205-41, 15 Mar 79
ANIMAL/ AUTORADIOGRAPHY/ BRAIN MAPPING/ CATS/ COMPARATIVE STUDY/ *HYPOTHALAMUS, anatomy & histology/ HYPOTHALAMUS, ANTERIOR, anatomy & histology/ HYPOTHALAMUS, MEDIAL, anatomy & histology/ MONKEYS/ NEURAL PATHWAYS, anatomy & histology/ NEURONS, EFFERENT/ PARAVENTRICULAR NUCLEUS, anatomy & histology/ SQUIRREL MONKEYS/ SUPRAOPTIC NUCLEUS, anatomy & histology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3373. **Saper CB, Swanson LW, Cowan WM:** An autoradiographic study of the efferent connections of the lateral hypothalamic area in the rat. J Comp Neurol 183(4):689-706, 15 Feb 79
ANIMAL/ AUTORADIOGRAPHY/ BRAIN MAPPING/ *HYPOTHALAMUS, anatomy & histology/ LOCUS COERULEUS, anatomy & histology/ MAMMILLARY BODIES, anatomy & histology/ MEDIAN FOREBRAIN BUNDLE, anatomy & histology/ NEURONS, EFFERENT/ PREOPTIC AREA, anatomy & histology/ RAPHE NUCLEI, anatomy & histology/ RATS/ THALAMIC NUCLEI, anatomy & histology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3374. **Saracci R, Repetto F:** Epidemiology of breast cancer. Semin Oncol 5(4):342-50, Dec 78
ADULT/ AGE FACTORS/ AGED/ BREAST NEOPLASMS, etiology/ BREAST NEOPLASMS, familial & genetic/ *BREAST NEOPLASMS, occurrence/ ENVIRONMENT/ EPIDEMIOLOGIC METHODS/ ESTRIOL, physiology/ ETHNIC GROUPS/ FEMALE/ HUMAN/ MATERNAL AGE/ MIDDLE AGE/ PREGNANCY

3375. **Sarto GE, Simpson JL:** Abnormalities of the Müllerian and Wolffian duct systems. Birth Defects 14(6C):37-54, 1978 (73 ref.)
ABNORMALITIES, MULTIPLE, familial & genetic/ EPIDIDYMIS, abnormalities/ FEMALE/ GENES, RECESSIVE/ HUMAN/ MALE/ *MULLERIAN DUCTS/ PEDIGREE/ REVIEW/ SYNDROME/ TESTIS, abnormalities/ UTERUS, abnormalities/ UTERUS, embryology/ VAGINA, abnormalities/ VAGINA, embryology/ *WOLFFIAN DUCT

3376. **Saruta T, Saito I:** [Symposium on edema. (2) Clinics of edema. III) Mechanism of edema in liver cirrhosis (author's transl)] Nippon Naika Gakkai Zasshi 67(11):1342-6, 10 Nov 78 **(Jpn)**
ADULT/ AGED/ ANGIOTENSINS, blood/ ANIMAL/ DOGS/ *EDEMA, etiology/ HUMAN/ *KIDNEY, physiopathology/ *LIVER CIRRHOSIS, complications/ LIVER CIRRHOSIS, physiopathology/ MIDDLE AGE/ RENIN, blood

3377. **Sas M, Apro G, Falkay G:** Effect of LH-RH loading in subfertile men. Arch Androl 1(2):153-62, 1978
CELL NUMBER/ CLOMIPHENE, therapeutic use/ *FSH, blood/ HUMAN/ *LH, blood/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ *OLIGOSPERMIA, blood/ OLIGOSPERMIA, drug therapy/ OLIGOSPERMIA, pathology/ SPERMATOZOA, pathology/ TESTIS, pathology

3378. **Sas M, Falkay G, Szöllösi J:** Steroid levels in the serum and seminal plasma during clomiphene therapy in hypofertile men. Acta Med Acad Sci Hung 35(2):159-65, 1978
ANDROGENS, blood/ *ANDROGENS, metabolism/ ANDROSTENEDIONE, blood/ ANDROSTENEDIONE, metabolism/ *CLOMIPHENE, therapeutic use/ ESTRADIOL, blood/ *ESTRADIOL, metabolism/ HUMAN/ MALE/ OLIGOSPERMIA, blood/ *OLIGOSPERMIA, drug therapy/ OLIGOSPERMIA, metabolism/ *SEMEN, metabolism/ STANOLONE, blood/ STANOLONE, metabolism/ TESTOSTERONE, blood/ TESTOSTERONE, metabolism

3379. **Sas M, Falkay G, Apró G:** Biological significance of human prolactin in adult, healthy and infertile males. Acta Med Acad Sci Hung 34(3):139-45, 1977
ADULT/ EJACULATION/ HUMAN/ MALE/ *PROLACTIN, blood/ SPERMATOGENESIS/ SPERMATOZOA, metabolism/ *STERILITY, MALE, blood/ TESTOSTERONE, blood

3380. **Sas M:** Postconceptional prostaglandin therapy. Acta Biol Med Ger 37(5-6):931-5, 1976
*ABORTION, INDUCED/ AMNION/ FEMALE/ FETAL DEATH/ HUMAN/ PREGNANCY/ PROSTAGLANDINS F, therapeutic use/ *PROSTAGLANDINS, therapeutic use/ STRUCTURE-ACTIVITY RELATIONSHIP

3381. **Sasaki M, Eigel WN, Keenan TW:** Lactose and major milk proteins are present in secretory vesicle-rich fractions from lactating mammary gland. Proc Natl Acad Sci USA 75(10):5020-4, Oct 78
ANIMAL/ CATTLE/ CELL COMPARTMENTATION/ CELL FRACTIONATION/ CYTOPLASMIC GRANULES, analysis/ EPITHELIUM, analysis/ FEMALE/ *LACTATION/ LACTOSE SYNTHETASE, analysis/ *LACTOSE, analysis/ *MAMMAE, analysis/ *MILK PROTEINS, analysis/ RATS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3382. **Sastry PB, Krishnamurty A:** Acetylcholine synthesis and release in isolated and perfused single cotyledon of human placenta. Indian J Med Res 68:867-79, Nov 78
*ACETYLCHOLINE, metabolism/ FEMALE/ HUMAN/ IN VITRO/ *PLACENTA, metabolism/ PREGNANCY

3383. **Sato M:** [Studies on the toxic effect of acrylonitrile—its metabolism, absorption and excretion (author's transl)] Nippon Eiseigaku Zasshi 33(3):497-505, Aug 78 (Eng. Abstr.) **(Jpn)**
ACRYLONITRILE, administration & dosage/ *ACRYLONITRILE, metabolism/ ANIMAL/ ENGLISH ABSTRACT/ ENVIRONMENTAL EXPOSURE/ INJECTIONS, SUBCUTANEOUS/ MALE/ *NITRILES, metabolism/ RABBITS/ THIOCYANATES, urine/ TISSUE DISTRIBUTION

3384. **Sato M, Tomoda T, Hikasa N, et al:** [Cocaine-induced reverse tolerance phenomenon and electrical kindling (author's transl)] No To Shinkei 30(12):1309-17, Dec 78 (Eng. Abstr.) **(Jpn)**
AMYGDALOID BODY, physiology/ ANIMAL/ APOMORPHINE, pharmacodynamics/ CATALEPSY, chemically induced/ CATALEPSY, physiopathology/ CATS/ *COCAINE, pharmacodynamics/ COMPARATIVE STUDY/ CONVULSIONS, chemically induced/ *CONVULSIONS, physiopathology/ *DRUG TOLERANCE/ ELECTRIC STIMULATION/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ RECEPTORS, DOPAMINE, physiology

3385. **Sato N, Ota M, Obara K:** Effect of actinomycin D or puromycin on microsomal testosterone hydroxylase activity enhanced by testosterone in female rat liver. Experientia 34(10):1375-6, 15 Oct 78
ANIMAL/ CYTOCHROME P-450, metabolism/ *DACTINOMYCIN, pharmacodynamics/ ENZYME

INDUCTION, drug effects/ FEMALE/ *MICROSOMES, LIVER, enzymology/ *PUROMYCIN, pharmacodynamics/ RATS/ *STEROID HYDROXYLASES, biosynthesis/ *TESTOSTERONE, pharmacodynamics

3386. **Sattin A, Stone TW, Taylor DA:** Biochemical and electropharmaceutical studies with tricyclic antidepressants in rat and guinea-pig cerebral cortex. Life Sci 23(26):2621-6, 25 Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE, pharmacodynamics/ ANIMAL/ *ANTIDEPRESSIVE AGENTS, TRICYCLIC, pharmacodynamics/ *BRAIN, drug effects/ BRAIN, metabolism/ DIPYRIDAMOLE, pharmacodynamics/ DRUG INTERACTIONS/ GUINEA PIGS/ IN VITRO/ IONTOPHORESIS/ MALE/ NEURONS, drug effects/ NEURONS, metabolism/ THEOPHYLLINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3387. **Saunders DM, Shuter B, Shearman RP:** Comparative studies on two combination oral contraceptives, one containing synthetic estrogen, the other 'natural' estrogens. Contraception 18(5):527-34, Nov 78
ADULT/ COMPARATIVE STUDY/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ *CONTRACEPTIVES, ORAL, COMBINED, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ *ESTRIOL, pharmacodynamics/ ESTROGENS, urine/ *ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ MENSTRUATION, drug effects/ RENIN, blood

3388. **Saunders DM, Hunter JC, Shutt DA, et al:** The effect of oestradiol valerate therapy on coagulation factors and lipid and oestrogen levels in oöphorectomised women. Aust NZ J Obstet Gynaecol 18(3):198-201, Aug 78
ADULT/ *BLOOD COAGULATION, drug effects/ *CASTRATION/ *CHOLESTEROL, blood/ DRUG EVALUATION/ *ESTRADIOL, therapeutic use/ *ESTROGENS, urine/ FEMALE/ HORMONES, SYNTHETIC, therapeutic use/ HUMAN/ *HYDROCORTISONE, urine/ MENOPAUSE/ MIDDLE AGE/ *TRIGLYCERIDES, blood

3389. **Savinova VF, Lesakova TV:** Otdalennye rezul'taty lecheniia bol'nykh trofoblasticheskimi opukholiami pri sokhranennoi matke. Akush Ginekol (Mosk) (12):24-7, Dec 78 (Eng. Abstr.) **(Rus)**
ADULT/ ANTINEOPLASTIC AGENTS, administration & dosage/ CHORIOCARCINOMA, drug therapy/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MIDDLE AGE/ NEOPLASM METASTASIS/ NEOPLASM RECURRENCE, LOCAL, drug therapy/ *TROPHOBLASTIC TUMOR, drug therapy/ *UTERINE NEOPLASMS, drug therapy

3390. **Savir H:** Expulsive choroidal effusion during cataract surgery (in a case with Fuchs' heterochromic cyclitis). Ann Ophthalmol 11(1):113-5, Jan 79
CASE REPORT/ *CATARACT EXTRACTION, adverse effects/ *CHOROID/ *CILIARY BODY/ *EXUDATES AND TRANSUDATES/ EYE COLOR/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use/ *UVEITIS, complications/ VITREOUS BODY

3391. **Savolainen E, Saksela E:** Ectopic pregnancy. Relationship to the preceding contraception. Ann Chir Gynaecol 67(5):198-202, 1978
ABORTION, LEGAL/ ADULT/ CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ *INTRAUTERINE DEVICES, adverse effects/ INTRAUTERINE DEVICES, COPPER, adverse effects/ PREGNANCY/ *PREGNANCY, ECTOPIC, etiology/ PREGNANCY, ECTOPIC, occurrence

3392. **Sayegh FS, Porter K, Sun G:** Uptake of radioactive calcium by hard tissue cells. J Dent Res 58 Spec No 8:1021-2, Mar 79
ANIMAL/ CALCIUM RADIOISOTOPES/ *CALCIUM, metabolism/ COMPARATIVE STUDY/ DENTAL PAPILLA, metabolism/ ENAMEL ORGAN, metabolism/ MITOCHONDRIA, metabolism/ ORGANOIDS, metabolism/ RATS/ *TOOTH GERM, metabolism

3393. **Sayfan J, Adam YG:** Right-sided varicocele associated with situs inversus. Fertil Steril 30(6):716-8, Dec 78
ADULT/ CASE REPORT/ HUMAN/ MALE/ PHLEBOGRAPHY/ *SITUS INVERSUS, complications/ SITUS INVERSUS, radiography/ *TESTIS, blood supply/ *VARICOCELE, etiology/ VEINS, abnormalities

3394. **Scally MC, Ulus IH, Wurtman RJ:** Choline administration to the rat increases urinary catecholamines. J Neural Transm 43(2):103-12, 1978
ACETYLCHOLINE, secretion/ ADRENAL GLANDS, innervation/ ADRENAL MEDULLA, secretion/ ANIMAL/ *CHOLINE, administration & dosage/ CHOLINE, pharmacodynamics/ DENERVATION/ DRUG SYNERGISM/ *EPINEPHRINE, urine/ INSULIN, pharmacodynamics/ MALE/ NOREPINEPHRINE, urine/ PHENOXYBENZAMINE, pharmacodynamics/ RATS/ SPLANCHNIC NERVES, physiology/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3395. **Scarpelli DG, Rao MS:** Transplantable ductal adenocarcinoma of the Syrian hamster pancreas. Cancer Res 39(2 Pt 1):452-8, Feb 79
ADENOCARCINOMA, metabolism/ *ADENOCARCINOMA, pathology/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ FEMALE/ HAMSTERS/ MALE/ MESOCRICETUS/ MICE/ MICE, NUDE/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, pathology/ NEUTROPHILS, pathology/ PANCREATIC NEOPLASMS, metabolism/ *PANCREATIC NEOPLASMS, pathology/ SECRETIN, metabolism/ TRANSPLANTATION, HETEROLOGOUS/ TRANSPLANTATION, ISOGENEIC

3396. **Scavo D, Cugini P, Di Lascio G:** The metabolic clearance rate of cortisol in normal subjects and in various disease states. J Nucl Med Allied Sci 22(3):113-23, Jul-Sep 78
ADOLESCENCE/ ADULT/ *COLLAGEN DISEASES, metabolism/ *CUSHING'S SYNDROME, metabolism/ FEMALE/ HUMAN/ *HYDROCORTISONE, metabolism/ *LIVER CIRRHOSIS, metabolism/ MALE/ METABOLIC CLEARANCE RATE/ MIDDLE AGE/ *OBESITY, metabolism/ *STEIN-LEVENTHAL SYNDROME, metabolism

3397. **Schade DS, Eaton RP:** The regulation of plasma ketone body concentration by counter-regulatory hormones in man. III. Effects of norepinephrine in normal man. Diabetes 28(1):5-10, Jan 79
ADULT/ BLOOD SUGAR, analysis/ EPINEPHRINE, blood/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ GLUCAGON, blood/ HEPARIN, pharmacodynamics/ HUMAN/ HYDROCORTISONE, blood/ INSULIN, blood/ *KETONE BODIES, blood/ KETOSIS, chemically induced/ MALE/ NOREPINEPHRINE, blood/ *NOREPINEPHRINE, pharmacodynamics/ SOMATOTROPIN, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3398. **Schaefer K, von Herrath D, Gullberg CA, et al:** Chronic hemofiltration. A critical evaluation of a new method for the treatment of blood. Artif Organs 2(4):386-94, Nov 78
ADULT/ AGED/ CREATININE, blood/ EVALUATION STUDIES/ FILTRATION, instrumentation/ FILTRATION, methods/ HEMATOCRIT/ HEMODIALYSIS, adverse effects/ *HEMODIALYSIS, methods/ HUMAN/ HYPERTENSION, complications/ KIDNEY FAILURE, CHRONIC, blood/ KIDNEY FAILURE, CHRONIC, physiopathology/ *KIDNEY FAILURE, CHRONIC, therapy/ KIDNEY, ARTIFICIAL, instrumentation/ MEMBRANES, ARTIFICIAL/ MIDDLE AGE/ NEURAL CONDUCTION/ PARATHYROID HORMONE, blood/ TIME FACTORS/ TRIGLYCERIDES, blood/ UREA, blood/ UREMIA, therapy

3399. **Schäfer H:** Zellcalcium und Zellfunktion. Cytochemische, ultrastrukturelle und röntgenmikroanalytische Untersuchungen. Veroeff Pathol (109):1-186, 1979 (318 ref.) (Eng. Abstr.) **(Ger)**
ANIMAL/ AUTORADIOGRAPHY/ *CALCIUM, metabolism/ *CELLS, physiology/ ELECTRON PROBE MICROANALYSIS/ ENDOCRINE GLANDS, cytology/ ENDOTHELIUM, cytology/

ENGLISH ABSTRACT/ EXOCRINE GLANDS, cytology/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ HUMAN/ HYPERCALCEMIA, metabolism/ INTESTINAL MUCOSA, cytology/ KIDNEY TUBULES, PROXIMAL, cytology/ MICE/ MICROSCOPY, ELECTRON/ MUSCLES, cytology/ PLACENTA, cytology/ PREGNANCY/ RATS/ REVIEW/ RICKETS, metabolism/ STAINS AND STAINING/ SYNDROME

3400. **Schallert T, Whishaw IQ, De Ryck M, et al:** The postures of catecholamine-depletion catalepsy: their possible adaptive value in thermoregulation. Physiol Behav 21(5):817-20, Nov 78
ADAPTATION, PHYSIOLOGICAL/ ANIMAL/ *BODY TEMPERATURE REGULATION/ BRAIN, physiology/ *CATALEPSY, physiopathology/ CATECHOLAMINES, physiology/ HYDROXYDOPAMINE, pharmacodynamics/ HYPOTHALAMUS, physiology/ INJECTIONS, INTRAVENTRICULAR/ *POSTURE/ RATS/ TEMPERATURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3401. **Schallert T, Leach LR, Braun JJ:** Saliva hypersecretion during aphagia following lateral hypothalamic lesions. Physiol Behav 21(3):461-3, Sep 78
ANIMAL/ *FEEDING BEHAVIOR, physiology/ HYPOTHALAMUS, anatomy & histology/ *HYPOTHALAMUS, physiology/ MALE/ RATS/ *SALIVATION/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3402. **Schanbacher BD, Echternkamp SE:** Testicular steroid secretion in response to GnRH-mediated LH and FSH release in bulls. J Anim Sci 47(2):514-20, Aug 78
ANIMAL/ *CATTLE, physiology/ COMPARATIVE STUDY/ ESTROGENS, blood/ *FSH, blood/ JUGULAR VEINS/ *LH, blood/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ TESTIS, blood supply/ *TESTIS, secretion/ TESTOSTERONE, blood/ VEINS

3403. **Schär J:** Medikamentöse Behandlung von Lumboischialgien. Praxis 68(5):141-2, 30 Jan 79 **(Ger)**
ADRENAL CORTEX HORMONES, therapeutic use/ ANALGESICS, therapeutic use/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ *BACKACHE, drug therapy/ CORTICOTROPIN, therapeutic use/ HUMAN/ *LUMBAGO, drug therapy/ MUSCLE RELAXANTS, CENTRAL, therapeutic use/ *SCIATICA, drug therapy

3404. **Schaub C, Bluet-Pajot MT, Szikla G, et al:** Distribution of beta2-microglobulin in cerebrospinal fluid and in cystic fluid of brain tumors. A preliminary study. Pathol Biol (Paris) 26(6):381-5, Sep 78
*BETA GLOBULINS, cerebrospinal fluid/ BETA 2 MICROGLOBULIN, analysis/ *BETA 2 MICROGLOBULIN, cerebrospinal fluid/ BRAIN NEOPLASMS, analysis/ *BRAIN NEOPLASMS, cerebrospinal fluid/ BREAST NEOPLASMS, blood/ BREAST NEOPLASMS, cerebrospinal fluid/ CELL LINE/ CRANIOPHARYNGIOMA, analysis/ *CRANIOPHARYNGIOMA, cerebrospinal fluid/ CULTURE MEDIA, analysis/ FEMALE/ GLIOMA, analysis/ *GLIOMA, cerebrospinal fluid/ HUMAN/ NEOPLASM METASTASIS

3405. **Scheinar J, Hruska F, Talas M, et al:** Význam stanovení hladin testosteronu a luteinizačního hormonu v krevním séru v hormonální léčbě rakoviny prostaty. Rozhl Chir 57(12):805-12, Dec 78 (Eng. Abstr.) **(Cze)**
*ANDROGEN ANTAGONISTS, therapeutic use/ ANIMAL/ ENGLISH ABSTRACT/ ESTROGENS, blood/ FSH, blood/ HUMAN/ *LH, blood/ MALE/ PROSTATIC NEOPLASMS, blood/ *PROSTATIC NEOPLASMS, drug therapy/ RATS/ *TESTOSTERONE, blood

3406. **Schenck K:** Kindliche und präpuberale Schizophrenie. Fortschr Med 97(1):10-4, 4 Jan 79 **(Ger)**
ADOLESCENCE/ AGE FACTORS/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ PROGNOSIS/ PUBERTY/ *SCHIZOPHRENIA, CHILDHOOD, diagnosis/ SCHIZOPHRENIA, CHILDHOOD, physiopathology

3407. **Schenker JG, Mazzor M:** Cancer of ovary in Israel (1966-1971). Gynecol Oncol 6(5):397-410, Oct 78
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ CHILD/ CHILD, PRESCHOOL/ EPIDEMIOLOGIC METHODS/ FEMALE/ HUMAN/ INFANT/ ISRAEL/ JEWS/ MARRIAGE/ MIDDLE AGE/ *OVARIAN NEOPLASMS, occurrence/ OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, therapy/ PARITY/ PREGNANCY/ PROGNOSIS

3408. **Scherbaum WA, Rosenau KO, Seif FJ:** Rheumafaktoren beim Morbus Basedow. Z Rheumatol 37(11-12):405-9, Nov-Dec 78 (Eng. Abstr.) **(Ger)**
ADOLESCENCE/ ADULT/ AGED/ ANTIBODY SPECIFICITY/ ARTHRITIS, RHEUMATOID, etiology/ AUTOANTIBODIES, analysis/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ GOITER, EXOPHTHALMIC, complications/ *GOITER, EXOPHTHALMIC, immunology/ HUMAN/ IMMUNOGLOBULINS, immunology/ MALE/ MIDDLE AGE/ *RHEUMATOID FACTOR, analysis

3409. **Scherberg NH:** Isolation of thyroglobulin messenger RNA from rats: increased yield in propylthiouracil-induced hyperplasia. Biochem Biophys Res Commun 85(4):1415-23, 29 Dec 78
ANIMAL/ FEMALE/ HYPERPLASIA/ MALE/ MOLECULAR WEIGHT/ NUCLEIC ACID HYBRIDIZATION/ POLY A, isolation & purification/ POLY A, metabolism/ *POLYRIBOSOMES, metabolism/ *PROPYLTHIOURACIL, pharmacodynamics/ RATS/ RNA, MESSENGER, isolation & purification/ *RNA, MESSENGER, metabolism/ RNA, RIBOSOMAL, metabolism/ *THYROGLOBULIN, biosynthesis/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ THYROID GLAND, pathology/ TRANSLATION, GENETIC/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3410. **Scheving LE, Pauly JE, Tsai TH:** Significance of the chronobiological approach in carrying out aging studies. Adv Exp Med Biol 108:57-96, 1978
*AGING/ ALKALINE PHOSPHATASE, blood/ ANIMAL/ *BIOLOGICAL CLOCKS/ CALCIUM, blood/ CHOLESTEROL, blood/ CHRONOLOGY/ CIRCADIAN RHYTHM/ CORTICOSTERONE, blood/ FEMALE/ HUMAN/ MALE/ PHOSPHORUS, blood/ POTASSIUM, blood/ RATS, blood/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UREA, blood

3411. **Schiff JD, Overweg NI:** Cyclic AMP-independent relaxation of depolarized rat ileal smooth muscle by isoproterenol. Life Sci 23(23):2299-305, 4 Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL/ CALCIUM, metabolism/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ FEMALE/ ILEUM, drug effects/ IN VITRO/ *ISOPROTERENOL, pharmacodynamics/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE RELAXATION, drug effects/ *MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, metabolism/ PHOSPHODIESTERASE INHIBITORS, pharmacodynamics/ RATS

3412. **Schiller PW, Lipton A, Horrobin DF, et al:** Unsulfated C-terminal 7-peptide of cholecystokinin: a new ligand of the opiate receptor. Biochem Biophys Res Commun 85(4):1332-8, 29 Dec 78
ANIMAL/ BINDING, COMPETITIVE/ BIOLOGICAL ASSAY/ BRAIN, metabolism/ *CHOLECYSTOKININ, metabolism/ CHOLECYSTOKININ, pharmacodynamics/ *ENDORPHINS/ ENDORPHINS, metabolism/ *ENKEPHALINS/ ENKEPHALINS, metabolism/ GUINEA PIGS/ ILEUM, drug effects/ KINETICS/ LIGANDS/ MALE/ PEPTIDE FRAGMENTS, metabolism/ RATS/ *RECEPTORS, NARCOTIC, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3413. **Schlager SI, Ohanian SH, Borsos T:** Synthesis of specific lipids associated with the hormone-induced resistance of tumor cells to humoral immune killing. J Immunol 122(1):108-14, Jan 79
ANIMAL/ *CATECHOLAMINES, pharmacodynamics/ CELL TRANSFORMATION, NEOPLASTIC/ COMPLEMENT/ *CYTOTOXICITY, IMMUNOLOGIC/

EPINEPHRINE, pharmacodynamics/ *GLUCOCORTICOIDS, pharmacodynamics/ GUINEA PIGS/ HYDROCORTISONE, pharmacodynamics/ KINETICS/ *LIPIDS, biosynthesis/ *LIVER NEOPLASMS, immunology/ MALE/ *PEPTIDES, pharmacodynamics/ PREDNISOLONE, pharmacodynamics

3414. **Schlensker KH:** Möglichkeiten der antenatalen Missbildungsdiagnostik mittels Ultraschall. Zentralbl Gynaekol 100(23):1538–54, 1978 (Eng. Abstr.) **(Ger)**
*ABNORMALITIES, diagnosis/ ABNORMALITIES, MULTIPLE, diagnosis/ ANENCEPHALY, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ FETAL DEATH, diagnosis/ *FETAL DISEASES, diagnosis/ FETAL MONITORING/ HUMAN/ HYDATIDIFORM MOLE, diagnosis/ HYDRAMNIOS, diagnosis/ HYDROCEPHALUS, diagnosis/ INFANT, NEWBORN/ MALE/ PREGNANCY/ PRENATAL DIAGNOSIS, methods/ SEX CHROMOSOME ABNORMALITIES, diagnosis/ TROPHOBLASTIC TUMOR, diagnosis/ *ULTRASONICS, diagnostic use

3415. **Schleupner CJ, Overall JC Jr:** Infectious mononucleosis and Epstein–Barr virus. 2. Clinical picture, diagnosis, management. Postgrad Med 65(1):95–8, 100–5, Jan 79
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ ALANINE AMINOTRANSFERASE, blood/ ANTIBODIES, HETEROTYPIC, analysis/ ASPARTATE AMINOTRANSFERASE, blood/ BLOOD CELL COUNT/ CELL NUCLEUS/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ *EPSTEIN-BARR VIRUS/ HUMAN/ IGM, analysis/ IMMUNOLOGIC TECHNICS/ *INFECTIOUS MONONUCLEOSIS, blood/ INFECTIOUS MONONUCLEOSIS, drug therapy/ INFECTIOUS MONONUCLEOSIS, immunology/ INFECTIOUS MONONUCLEOSIS, therapy/ LYMPHOCYTES/ MIDDLE AGE/ PROGNOSIS/ REST/ STEROIDS, therapeutic use/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3416. **Schlondorff D, Weber H:** Evidence for altered cyclic nucleotide metabolism during compensatory renal hypertrophy and neonatal kidney growth. Yale J Biol Med 51(3):387–92, May–Jun 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ GUANYL CYCLASE, metabolism/ HYPERTROPHY/ *KIDNEY CORTEX, metabolism/ KIDNEY, growth & development/ KIDNEY, metabolism/ KIDNEY, pathology/ *KIDNEY, physiology/ MALE/ NEPHRECTOMY/ RATS/ 3',5'-CYCLIC GMP PHOSPHODIESTERASE, metabolism

3417. **Schmid P:** Zweiphasenbehandlung entzündlicher Hautmykosen mit Pevisone/Pevaryl. Praxis 68(7):233–5, 13 Feb 79 **(Ger)**
ADULT/ *DERMATOMYCOSES, drug therapy/ DRUG COMBINATIONS/ *ECONAZOLE, therapeutic use/ HUMAN/ *IMIDAZOLES, therapeutic use/ INFLAMMATION, drug therapy/ MIDDLE AGE/ *TRIAMCINOLONE ACETONIDE, therapeutic use

3418. **Schmidt B:** Chemie der Lokalanästhetika. Klin Anaesthesiol Intensivther (18):1–16, 1978 **(Ger)**
*ANESTHETICS, LOCAL/ ANESTHETICS, LOCAL, metabolism/ ANESTHETICS, LOCAL, pharmacodynamics/ ANIMAL/ CHEMISTRY/ CHEMISTRY, PHYSICAL/ IN VITRO/ LIPIDS/ MEMBRANES, metabolism/ PROTEIN BINDING/ SOLUBILITY/ STEREOISOMERS/ STRUCTURE-ACTIVITY RELATIONSHIP

3419. **Schmidt CW, Klinger J, Justus J:** Toxische Hepatose bei hormoneller Kontrazeption. Z Aerztl Fortbild (Jena) 72(22):1097–9, 15 Nov 78 **(Ger)**
ADULT/ AMINOTRANSFERASES, metabolism/ BILIRUBIN, blood/ CASE REPORT/ *CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HEPATITIS A, diagnosis/ HEPATITIS, TOXIC, diagnosis/ *HEPATITIS, TOXIC, etiology/ HUMAN

3420. **Schmidt E, Hrubesch M:** Präoperative Diagnostik der Nebenschilddrüsentumoren mit Hilfe stufenweiser supraselektiver Blutentnahme zur Bestimmung des Parathormonspiegels. Verh Dtsch Ges Inn Med (84):1425–8, 1978 **(Ger)**
ADENOMA, diagnosis/ ADULT/ AGED/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PARATHYROID HORMONE, blood/ *PARATHYROID NEOPLASMS, diagnosis

3421. **Schmidt HA, Lipke P:** Vergleichende Untersuchungen mit kommerziellen T4-RIA-Kits (I). Nuklearmedizin 17(6):270–2, Dec 78 (Eng. Abstr.) **(Ger)**
ENGLISH ABSTRACT/ HUMAN/ *RADIOIMMUNOASSAY, instrumentation/ RADIOIMMUNOASSAY, methods/ *THYROID FUNCTION TESTS, instrumentation/ THYROID FUNCTION TESTS, methods/ *THYROXINE, blood

3422. **Schmidt HA, Lipke P:** Vergleichende Untersuchungen mit kommerziellen T4-RIA-Kits (II). Nuklearmedizin 17(6):273–6, Dec 78 (Eng. Abstr.) **(Ger)**
ENGLISH ABSTRACT/ HUMAN/ *RADIOIMMUNOASSAY, instrumentation/ RADIOIMMUNOASSAY, methods/ *THYROID FUNCTION TESTS, instrumentation/ THYROID FUNCTION TESTS, methods/ *THYROXINE, blood

3423. **Schmidt MJ, Truex LL, Conway RG, et al:** Cyclic AMP-dependent protein kinase activity and synaptosomal protein phosphorylation in the brains of aged rats. J Neurochem 32(2):335–44, Feb 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ AGING/ ANIMAL/ BRAIN, growth & development/ *BRAIN, metabolism/ CEREBRAL CORTEX, enzymology/ HIPPOCAMPUS, enzymology/ HISTONE KINASE, metabolism/ *NERVE TISSUE PROTEINS, metabolism/ PHOSPHORYLATION/ *PROTEIN KINASE, metabolism/ RATS/ *SYNAPTOSOMES, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3424. **Schmidt TJ, Thompson EB:** Glucocorticoid receptors and glutamine synthetase in leukemic Sézary cells. Cancer Res 39(2 Pt 1):376–82, Feb 79
CYTOPLASM, metabolism/ DEXAMETHASONE, pharmacodynamics/ ENZYME INDUCTION, drug effects/ FEMALE/ GLUCOCORTICOIDS, SYNTHETIC, metabolism/ *GLUTAMINE SYNTHETASE, biosynthesis/ HUMAN/ IN VITRO/ MALE/ MIDDLE AGE/ *RECEPTORS, GLUCOCORTICOID/ *RECEPTORS, STEROID/ SEZARY SYNDROME, drug therapy/ *SEZARY SYNDROME, metabolism/ *T-LYMPHOCYTES, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3425. **Schmoldt A:** Increased digitoxin cleavage by liver microsomes of spironolactone-pretreated rats. Naunyn Schmiedebergs Arch Pharmacol 305(3):261–3, 27 Dec 78
ANIMAL/ CYTOCHROME P-450, metabolism/ *DIGITOXIN, metabolism/ IN VITRO/ MALE/ MICROSOMES, LIVER, drug effects/ *MICROSOMES, LIVER, metabolism/ OXIDATION-REDUCTION/ PHENOBARBITAL, pharmacodynamics/ RATS/ *SPIRONOLACTONE, pharmacodynamics/ TIME FACTORS

3426. **Schmoll M, Henseler T, Christophers E:** Evaluation of PUVA, topical corticosteroids and the combination of both in the treatment of psoriasis. Br J Dermatol 99(6):693–702, Dec 78
ADMINISTRATION, TOPICAL/ ADOLESCENCE/ ADULT/ AGED/ CHILD/ COMPARATIVE STUDY/ HUMAN/ METHOXSALEN, administration & dosage/ *METHOXSALEN, therapeutic use/ MIDDLE AGE/ OCCLUSIVE DRESSINGS/ *PHOTOCHEMOTHERAPY/ *PSORIASIS, drug therapy/ PSORIASIS, pathology/ REMISSION/ SKIN, pathology/ TRIAMCINOLONE ACETONIDE, administration & dosage/ *TRIAMCINOLONE ACETONIDE, therapeutic use

3427. **Schneider H, Streicher E:** Thyroid function in long term haemofiltration. Proc Eur Dial Transplant Assoc 15:187–93, 1978
*HEMODIALYSIS/ HUMAN/ *KIDNEY FAILURE, CHRONIC, blood/ KIDNEY FAILURE, CHRONIC, therapy/ *THYROID GLAND, physiopathology/ *THYROID HORMONES, blood/ THYROTROPIN, blood/ THYROXINE BINDING PROTEIN, blood/

THYROXINE, blood/ TRIIODOTHYRONINE, blood

3428. **Schneider H, Streicher E, Schmidt-Gayk H, et al:** Does long term haemofiltration provoke secondary hyperparathyroidism? Proc Eur Dial Transplant Assoc 15:532-9, 1978
CALCIUM, blood/ *HEMODIALYSIS, adverse effects/ HUMAN/ *HYPERPARATHYROIDISM, SECONDARY, etiology/ HYPERPARATHYROIDISM, SECONDARY, prevention & control/ MAGNESIUM, blood/ PHOSPHATES, blood/ ULTRAFILTRATION/ VITAMIN D, therapeutic use

3429. **Schneider KR, Wiegelmann W, Solbach HG, et al:** Wachstumshormonsekretion bei Akromegalie nach isolierter und kombinierter Anwendung des Insulinhypoglykämie-, LH-RH- und TRH-Tests. Verh Dtsch Ges Inn Med (84):1438-41, 1978 **(Ger)**
*ACROMEGALY, diagnosis/ HUMAN/ INSULIN, diagnostic use/ LH-FSH RELEASING HORMONE, secretion/ *SOMATOTROPIN, secretion/ THYROTROPIN RELEASING HORMONE, secretion

3430. **Schneider PB:** Simple, rapid thyroid function testing with 99mTc-pertechnetate thyroid uptake ratio and neck/thigh ratio. AJR 132(2):249-53, Feb 79
HUMAN/ *HYPERTHYROIDISM, radionuclide imaging/ *HYPOTHYROIDISM, radionuclide imaging/ IODINE RADIOISOTOPES, diagnostic use/ NECK/ *TECHNETIUM, diagnostic use/ THIGH/ *THYROID FUNCTION TESTS, methods/ *THYROID GLAND, radionuclide imaging

3431. **Schneiderman CR, Kryski JA:** Fundamental frequency change in pre- and postadolescent deaf males and females. J Am Audiol Soc 4(2):64-8, Sep-Oct 78
ADOLESCENCE/ AGE FACTORS/ CHILD/ *DEAFNESS, physiopathology/ DEAFNESS, rehabilitation/ FEMALE/ HUMAN/ MALE/ *PHONATION/ PUBERTY/ READING/ SEX FACTORS/ *VOICE

3432. **Schneyer CA, Sucanthapree C, Schneyer LH, et al:** Total salivary calcium and amylase output of rat parotid with electrical stimulation of autonomic innervation. Proc Soc Exp Biol Med 159(3):478-83, Dec 78
ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ *AMYLASES, metabolism/ ANIMAL/ *AUTONOMIC NERVOUS SYSTEM, physiology/ *CALCIUM, metabolism/ ELECTRIC STIMULATION/ FEMALE/ GANGLIA, AUTONOMIC, physiology/ PAROTID GLAND, innervation/ PAROTID GLAND, metabolism/ *PAROTID GLAND, physiology/ RATS/ *SALIVA, metabolism/ *SALIVATION/ SALIVATION, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3433. **Schnitzler S, Renner H, Steinhauser G, et al:** Fluorescence microscopical visualization of rat mast cells by means of fluoresceine isothiocyanate labeled protamine sulfate. Acta Biol Med Ger 37(3):509-12, 1978
ANIMAL/ FEMALE/ *FLUORESCEINS/ HISTAMINE LIBERATION/ MAST CELLS, secretion/ *MAST CELLS, ultrastructure/ MICROSCOPY, FLUORESCENCE/ *PROTAMINES/ RATS/ THIOCYANATES

3434. **Schober O, Mariss P, Körber H, et al:** Wasser- und Kalium-Haushalt bei Funktionsstörungen der Schilddrüse. Nuklearmedizin 17(6):254-7, Dec 78 (Eng. Abstr.) **(Ger)**
BLOOD VOLUME/ *BODY WATER, metabolism/ ENGLISH ABSTRACT/ HUMAN/ *POTASSIUM, metabolism/ *THYROID DISEASES, metabolism/ THYROID DISEASES, physiopathology

3435. **Schoenberg BS:** Epidemiology of primary nervous system neoplasms. Adv Neurol 19:475-95, 1978
ADULT/ AGE FACTORS/ AGED/ BRAIN NEOPLASMS, etiology/ *BRAIN NEOPLASMS, occurrence/ CHILD/ FEMALE/ GENES/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASMS, etiology/ *NEOPLASMS, occurrence/ NEOPLASMS, NERVOUS TISSUE, etiology/ *NEOPLASMS, NERVOUS TISSUE, occurrence/ NERVOUS SYSTEM/ PITUITARY NEOPLASMS, occurrence/ RACIAL STOCKS/ SEX FACTORS

3436. **Schoenen J, Delwaide PJ:** Les myopathies. Rev Med Liege 33(23):839-51, 1 Dec 78 **(Fre)**
ENZYME TESTS/ HUMAN/ *MUSCULAR DISEASES, classification/ MUSCULAR DISEASES, diagnosis/ MUSCULAR DISEASES, physiopathology/ THYROID GLAND, physiopathology

3437. **Schoenle E, Zapf J, Froesch ER:** Receptor binding and effects of insulin and NSILA-S on glucose transport and metabolism in adipocytes from hypophysectomized rats. Diabetologia 16(1):41-6, Jan 79
*ADIPOSE TISSUE, metabolism/ ANIMAL/ BINDING, COMPETITIVE/ BIOLOGICAL TRANSPORT, ACTIVE/ *GLUCOSE, pharmacodynamics/ HYPOPHYSECTOMY/ IN VITRO/ *INSULIN, metabolism/ MALE/ METHYLGLUCOSIDES, metabolism/ *NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY, metabolism/ RATS/ *RECEPTORS, INSULIN, metabolism

3438. **Schoenwald RD, Boltralik JJ:** A bioavailability comparison in rabbits of two steroids formulated as high-viscosity gels and reference aqueous preparations. Invest Ophthalmol Vis Sci 18(1):61-6, Jan 79
ANIMAL/ AQUEOUS HUMOR, analysis/ *AQUEOUS HUMOR, metabolism/ BIOLOGICAL AVAILABILITY/ COMPARATIVE STUDY/ CORNEA, analysis/ *CORNEA, metabolism/ GELS/ PREDNISOLONE, TOPICAL, analysis/ *PREDNISOLONE, TOPICAL, metabolism/ RABBITS/ SOLUTIONS

3439. **Scholtz JR:** Atopic dermatitis [letter] Arch Dermatol 115(1):110, Jan 79
ADRENAL CORTEX HORMONES, therapeutic use/ *DERMATITIS, ATOPIC, drug therapy/ HUMAN

3440. **Scholz DA, Purnell DC, Edis AJ, et al:** Primary hyperparathyroidism with multiple parathyroid gland enlargement: review of 53 cases. Mayo Clin Proc 53(12):792-7, Dec 78
ADENOMATOSIS, FAMILIAL ENDOCRINE, complications/ ADOLESCENCE/ ADULT/ AGED/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYPERCALCEMIA, etiology/ HYPERPARATHYROIDISM, familial & genetic/ HYPERPARATHYROIDISM, pathology/ *HYPERPARATHYROIDISM, surgery/ HYPERPARATHYROIDISM, SECONDARY, etiology/ HYPERPARATHYROIDISM, SECONDARY, surgery/ HYPERPLASIA/ MALE/ MIDDLE AGE/ PARATHYROID GLANDS, pathology/ *PARATHYROID GLANDS, surgery/ POSTOPERATIVE COMPLICATIONS

3441. **Schomerus H, Kallee E, Wahl E, et al:** Achalasie und Schilddrüse. Verh Dtsch Ges Inn Med (84):1601-3, 1978 **(Ger)**
ADENOMA, complications/ ADULT/ AGED/ *CARDIOSPASM, complications/ HUMAN/ *HYPERTHYROIDISM, complications/ MIDDLE AGE/ THYROID NEOPLASMS, complications

3442. **Schonberg LA:** Combined pregnancy and ruptured corpus luteum cyst. Am J Obstet Gynecol 133(1):106-7, 1 Jan 79
ABORTION, INDUCED/ ADULT/ CASE REPORT/ *CORPUS LUTEUM CYST, complications/ FEMALE/ HUMAN/ MALE/ PREGNANCY TRIMESTER, FIRST/ *PREGNANCY/ *PREGNANCY, TUBAL, complications/ RUPTURE, SPONTANEOUS

3443. **Schorderet-Slatkine S, Schorderet M, Boquet P, et al:** Progesterone-induced meiosis in Xenopus laevis oocytes: a role for cAMP at the 'maturation-promoting factor' level. Cell 15(4):1269-75, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ *CHOLERA TOXIN, pharmacodynamics/ *GROWTH SUBSTANCES, metabolism/ KINETICS/ *MEIOSIS, drug effects/ OOCYTES, metabolism/ *OOGENESIS, drug effects/ PROGESTERONE, antagonists & inhibitors/ *PROGESTERONE, pharmacodynamics/ XENOPUS

3444. **Schotman P, Gipon L, Jennekens FG, et al:** Polyneuropathies and CNS protein metabolism. III. Changes in protein synthesis rate induced by acrylamide intoxication. J Neuropathol Exp Neurol 37(6):820-37, Nov-Dec 78

ACRYLAMIDES/ ANIMAL/ *BRAIN STEM, metabolism/ CELL-FREE SYSTEM/ CENTRAL NERVOUS SYSTEM DISEASES, chemically induced/ *CENTRAL NERVOUS SYSTEM DISEASES, metabolism/ FEMALE/ KINETICS/ LIVER, metabolism/ MYOCARDIUM, metabolism/ PINEAL BODY, metabolism/ *PROTEINS, biosynthesis/ RATS/ *SPINAL CORD, metabolism

3445. **Schottke C, Mehnert J, Drauschke M:** Zur Anwendung von Ornipressin in der zahnärztlichen Lokalanästhesie. Stomatol DDR 28(9):644-8, Sep 78 (Eng. Abstr.) **(Ger)**
ADOLESCENCE/ *ANESTHESIA, DENTAL/ ANESTHESIA, LOCAL/ CHILD/ DRUG EVALUATION/ ENGLISH ABSTRACT/ HUMAN/ ORNIPRESSIN, metabolism/ *ORNIPRESSIN, standards/ *VASOPRESSINS, standards

3446. **Schrameyer B, Busse H, Schiffer HP:** Ergebnisse der Nandrolontherapie (Keratyl) bei Hornhautverletzungen und-erkrankungen. Klin Monatsbl Augenheilkd 173(6):864-71, Dec 78 (Eng. Abstr.) **(Ger)**
CHEMISTRY/ CORNEA, injuries/ CORNEA, surgery/ *CORNEAL DISEASES, drug therapy/ CORNEAL DYSTROPHIES, drug therapy/ CORNEAL ULCER, drug therapy/ ENGLISH ABSTRACT/ EYE INJURIES, drug therapy/ HUMAN/ *NANDROLONE, therapeutic use/ POSTOPERATIVE COMPLICATIONS, drug therapy

3447. **Schreiner P, Sirackỳ J:** Estrogenic effect in vaginal smears in cancer of the uterine cervix. Neoplasma 25(5):637-9, 1978
ADULT/ AGED/ *CARCINOMA, EPIDERMOID, pathology/ CARCINOMA, EPIDERMOID, physiopathology/ CARCINOMA, EPIDERMOID, radiotherapy/ *CERVIX NEOPLASMS, pathology/ CERVIX NEOPLASMS, physiopathology/ CERVIX NEOPLASMS, radiotherapy/ EPITHELIUM, pathology/ *ESTROGENS, physiology/ FEMALE/ HUMAN/ MIDDLE AGE/ OVARY, physiopathology/ RADIATION TOLERANCE/ *VAGINA, pathology/ VAGINAL SMEARS

3448. **Schroeder HR, Yeager FM, Boguslaski RC, et al:** Immunoassay for serum thyroxine monitored by chemiluminescence. J Immunol Methods 25(3):275-82, 1979
CHROMATOGRAPHY, GEL/ HUMAN/ IMMUNOASSAY, methods/ *LUMINESCENCE/ THYROXINE, blood/ *THYROXINE, immunology

3449. **Schroffner WG:** Restoration of male fertility five years after total hypophysectomy. Hawaii Med J 37(11):331-4, Nov 78
ADULT/ CASE REPORT/ *GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ *HYPOPHYSECTOMY, adverse effects/ MALE/ *MENOTROPINS, therapeutic use/ *STERILITY, MALE, drug therapy/ STERILITY, MALE, etiology/ TIME FACTORS

3450. **Schrold J, Nedergaard OA:** Frequency-dependence of the metabolism of 3H-noradrenaline released from rabbit isolated aorta: effects of a combination of cocaine and corticosterone or hydrocortisone. Acta Pharmacol Toxicol (Copenh) 44(1):13-21, Jan 79
ANIMAL/ AORTA, metabolism/ *ARTERIES, metabolism/ *COCAINE, pharmacodynamics/ *CORTISONE, pharmacodynamics/ ELECTRIC STIMULATION/ *HYDROCORTISONE, pharmacodynamics/ *NOREPINEPHRINE, metabolism/ RABBITS

3451. **Schubert K, Schumann G, Rose G, et al:** Hemmung der delta4-3-Ketosteroid-5alpha-reduktase der Rattenleber durch Steroide in vitro. Endokrinologie 72(2):141-8, May 78 (Eng. Abstr.) **(Ger)**
ANDROSTANES, pharmacodynamics/ ANIMAL/ ENGLISH ABSTRACT/ ESTRADIOL, analogs & derivatives/ *ESTRADIOL, pharmacodynamics/ ESTRANES, pharmacodynamics/ FEMALE/ HYDROXYPROGESTERONES, pharmacodynamics/ IN VITRO/ *MICROSOMES, LIVER, enzymology/ *OXIDOREDUCTASES, antagonists & inhibitors/ PREGNENEDIONES, pharmacodynamics/ *PROGESTERONE, pharmacodynamics/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ *TESTOSTERONE 5-ALPHA-REDUCTASE, antagonists & inhibitors/ *TESTOSTERONE, pharmacodynamics

3452. **Schubert R:** Prüfung der Effektivität der Diagnose und Initialtherapie mit Hilfe von Aufbissplatten. Dtsch Zahnaerztl Z 34(1):19-22, Jan 79 (Eng. Abstr.) **(Ger)**
ADENOMA, complications/ DEPRESSION, complications/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ HUMAN/ JAW RELATION RECORD/ PITUITARY NEOPLASMS, complications/ QUESTIONNAIRES/ *TEMPOROMANDIBULAR JOINT SYNDROME, diagnosis

3453. **Schüler L:** Der Einfluss der Fruchtbarkeitsselektion auf die Masse der endokrinen Drüsen bei der Laboratoriumsmaus. Z Versuchstierkd 20(5):268-73, 1978 (Eng. Abstr.) **(Ger)**
ANIMAL/ BODY WEIGHT/ *ENDOCRINE GLANDS/ ENGLISH ABSTRACT/ FEMALE/ *FERTILITY/ MALE/ MICE/ ORGAN WEIGHT

3454. **Schüler L, Borodin PM:** Genetische Analyse der endokrinen Drüsenmasse bei der Laboratoriumsmaus unter den Bedingungen der Belastung. Z Versuchstierkd 20(6):293-304, 1978 (Eng. Abstr.) **(Ger)**
ANIMAL/ *ENDOCRINE GLANDS, anatomy & histology/ ENGLISH ABSTRACT/ FEMALE/ *GENES/ GENOTYPE/ MALE/ MICE/ MICE, INBRED STRAINS/ ORGAN WEIGHT/ PREGNANCY/ SEX FACTORS/ SEX MATURATION/ *STRESS, pathology

3455. **Schultz RM, Pavlidis NA, Stylos WA, et al:** Cytotoxic activity of interferon-treated macrophages studied by various inhibitors. Cancer Treat Rep 62(11):1889-92, Nov 78
ANIMAL/ *CYTOTOXICITY, IMMUNOLOGIC, drug effects/ *HYDROCORTISONE, pharmacodynamics/ *INTERFERON, pharmacodynamics/ LEUKEMIA, EXPERIMENTAL, therapy/ MACROPHAGES, drug effects/ *MACROPHAGES, immunology/ MALE/ MICE/ *PROSTAGLANDINS E, SYNTHETIC, pharmacodynamics

3456. **Schultzberg M, Lundberg JM, Hökfelt T, et al:** Enkephalin-like immunoreactivity in gland cells and nerve terminals of the adrenal medulla. Neuroscience 3(12):1169-86, 1978
ADRENAL MEDULLA, innervation/ *ADRENAL MEDULLA, metabolism/ ANIMAL/ CATS/ *ENDORPHINS, metabolism/ *ENKEPHALINS, metabolism/ FLUORESCENT ANTIBODY TECHNIC/ GUINEA PIGS/ MALE/ NERVE ENDINGS, metabolism/ RATS

3457. **Schulz E, Sack K, Freiesleben H, et al:** Therapiestudien an zwei Pyelonephritismodellen mit differenter Infektbahnung. Zentralbl Bakteriol [Orig A] 242(2):206-15, Nov 78 (Eng. Abstr.) **(Ger)**
ANIMAL/ *ANTIBIOTICS, therapeutic use/ CEFAZOLIN, therapeutic use/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ *ESCHERICHIA COLI, drug effects/ ESTRADIOL/ FEMALE/ GENTAMICINS, therapeutic use/ KIDNEY, microbiology/ *PYELONEPHRITIS, drug therapy/ PYELONEPHRITIS, etiology/ RATS

3458. **Schulz W:** Therapie der renalen Osteopathie. Dtsch Med Wochenschr 103(51):2025-7, 22 Dec 78 **(Ger)**
DIHYDROXYCHOLECALCIFEROLS, therapeutic use/ HEMODIALYSIS/ HUMAN/ KIDNEY, transplantation/ RENAL OSTEODYSTROPHY, complications/ *RENAL OSTEODYSTROPHY, drug therapy/ RENAL OSTEODYSTROPHY, etiology/ TIME FACTORS

3459. **Schulz W:** Diagnostik der renalen Osteopathie. Dtsch Med Wochenschr 103(51):2023-5, 22 Dec 78 **(Ger)**
BIOPSY/ HUMAN/ ILIUM/ PARATHYROID HORMONE, analysis/ RENAL OSTEODYSTROPHY, blood/ *RENAL OSTEODYSTROPHY, diagnosis/ RENAL OSTEODYSTROPHY, pathology/ RENAL OSTEODYSTROPHY, radiography

3460. **Schulz W, Spiegel P, Gessler U, et al:** Kalzium-Phosphat-Stoffwechsel unter Therapie mit 1,25-Dihydroxycholecalciferol [1,25-DHCC (Ro 21/5335)] bei Patienten mit fortgeschrittener Niereninsuffizienz. Verh Dtsch Ges Inn Med (84):1297-301, 1978 **(Ger)**
ADULT/ *CALCIUM PHOSPHATES, metabolism/ *DIHYDROXYCHOLECALCIFEROLS, therapeutic use/ FEMALE/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, therapeutic use/ *KIDNEY FAILURE, CHRONIC, drug therapy/ MALE/ MIDDLE AGE

3461. **Schulze C, Holstein AF:** Leydig cells within the lamina propria of seminiferous tubules in four patients with azoospermia. Andrologia 10(6):444–52, Nov–Dec 78
CRYPTORCHISM, pathology/ CYTOPLASM, ultrastructure/ ENDOPLASMIC RETICULUM, ultrastructure/ HUMAN/ *LEYDIG CELLS/ LEYDIG CELLS, ultrastructure/ MALE/ *OLIGOSPERMIA, pathology/ *SEMINIFEROUS TUBULES, pathology/ SEMINIFEROUS TUBULES, ultrastructure/ SERTOLI CELLS, ultrastructure/ *TESTIS, pathology

3462. **Schumann C:** Die Therapie der Schilddrüsenkarzinome. Z Aerztl Fortbild (Jena) 72(24):1159–61, 15 Dec 78 **(Ger)**
ADENOCARCINOMA, pathology/ *ADENOCARCINOMA, surgery/ ADULT/ CARCINOMA, pathology/ *CARCINOMA, surgery/ CARCINOMA, PAPILLARY, pathology/ *CARCINOMA, PAPILLARY, surgery/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ RADICAL NECK DISSECTION/ THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, pathology/ *THYROID NEOPLASMS, surgery/ THYROIDECTOMY, methods

3463. **Schumann K, Fährmann M:** Aktivität der L-Zystin-Aminopeptidase (Oxytozinase) im Serum Schwangerer bei intravenöser Oxytozinzufuhr. Geburtshilfe Frauenheilkd 38(12):1052–7, Dec 78 (Eng. Abstr.) **(Ger)**
*AMINOPEPTIDASES, urine/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LABOR/ *OXYTOCIN, pharmacodynamics/ *OXYTOCINASE, urine/ PLACENTA DISORDERS, diagnosis/ *PREGNANCY

3464. **Schuster E:** Internistische Risikopatienten bei der stomatologischen Behandlung. Stomatol DDR 28(10):715–9, Oct 78 (Eng. Abstr.) **(Ger)**
*ANESTHESIA, LOCAL, adverse effects/ BLOOD COAGULATION DISORDERS, complications/ CORONARY DISEASE, complications/ *DENTAL CARE/ DIABETES MELLITUS, complications/ *DRUG HYPERSENSITIVITY, complications/ ENDOCRINE DISEASES, complications/ ENGLISH ABSTRACT/ HEMORRHAGE, ORAL, prevention & control/ HUMAN/ HYPERSENSITIVITY, complications/ RISK/ VASCULAR DISEASES, complications

3465. **Schwabe C, Steinetz B, Weiss G, et al:** Relaxin. Recent Prog Horm Res 34:123–211, 1978 (188 ref.)
AMINO ACID SEQUENCE/ ANIMAL/ COMPARATIVE STUDY/ EVOLUTION/ FEMALE/ INSULIN/ MAMMAE, drug effects/ MOLECULAR CONFORMATION/ PREGNANCY/ PUBIC SYMPHYSIS, drug effects/ *RELAXIN/ RELAXIN, analysis/ RELAXIN, pharmacodynamics/ RELAXIN, physiology/ REVIEW/ STRUCTURE-ACTIVITY RELATIONSHIP/ UTERUS, drug effects/ VAGINA, drug effects

3466. **Schwabe U, Puchstein C, Hannemann H, et al:** Activation of adenylate cyclase by vanadate. Nature 277(5692):143–5, 11 Jan 79
ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM, antagonists & inhibitors/ *ADENYL CYCLASE, metabolism/ ADIPOSE TISSUE, enzymology/ ANIMAL/ BINDING SITES, drug effects/ CELL MEMBRANE, immunology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME ACTIVATION, drug effects/ GUANOSINE TRIPHOSPHATE, metabolism/ KINETICS/ MALE/ RATS/ THEOPHYLLINE, pharmacodynamics/ *VANADIUM, pharmacodynamics

3467. **Schwartz GJ, Burg MB:** Mineralocorticoid effects on cation transport by cortical collecting tubules in vitro. Am J Physiol 235(6):F576–85, Dec 78
*ALDOSTERONE, pharmacodynamics/ ANIMAL/ BICARBONATES, pharmacodynamics/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CALCIUM, metabolism/ CORTICOSTERONE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ DIET, SALT-FREE/ FUROSEMIDE, pharmacodynamics/ IN VITRO/ *KIDNEY TUBULES, metabolism/ *POTASSIUM, metabolism/ RABBITS/ *SODIUM, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3468. **Schweer HH, Cornely M, Friedel R:** Combined batchwise and continuous flow mechanization of solid-phase radioimmunoassays. J Clin Chem Clin Biochem 16(11):625–9, Nov 78
AUTOANALYSIS/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ *PLACENTAL LACTOGEN, blood/ POLYVINYL CHLORIDE/ PREGNANCY TRIMESTER, FIRST/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ RADIOIMMUNOASSAY, methods

3469. **Schwegler N, Roth J:** Gonadendosen bei Thoraxaufnahmen. Die Bedeutung einer genauen Feldeinblendung und des Lendenbleischurzes für die Gonadendosen bei Thoraxaufnahmen. ZFA (Stuttgart) 55(1):11–5, 10 Jan 79 **(Ger)**
*GONADS, radiation effects/ HUMAN/ LEAD/ *RADIATION PROTECTION/ RADIATION PROTECTION, instrumentation/ *THORACIC RADIOGRAPHY

3470. **Schweikert HU, Weissbach L, Leyendecker G, et al:** Endokrinologische Untersuchungne zum Syndrom des XX-Mannes. Verh Dtsch Ges Inn Med (84):1416–9, 1978 **(Ger)**
ESTRADIOL, metabolism/ GONADOTROPINS, metabolism/ LH, metabolism/ PHENOTYPE/ *SEX CHROMOSOME ABNORMALITIES/ TESTOSTERONE, metabolism

3471. **Schwertschlag U, Hackenthal E, Hackenthal R, et al:** The effects of calcium and calcium-ionophores (X 537 A and A 23187) on renin release in the isolated perfused rat kidney. Clin Sci Mol Med 55 Suppl 4:171s–174s, Dec 78
*A-23187, pharmacodynamics/ ANIMAL/ *ANTIBIOTICS, pharmacodynamics/ *CALCIUM, pharmacodynamics/ IN VITRO/ *KIDNEY, secretion/ *LASALOCID, pharmacodynamics/ MALE/ RATS/ *RENIN, secretion/ SECRETORY RATE, drug effects

3472. **Schydlower M, Waxman SH, Patterson PH:** Coexistence of deficiency in alpha1 antitrypsin and in growth hormone [letter] N Engl J Med 300(7):366, 15 Feb 79
*ALPHA 1-ANTITRYPSIN, deficiency/ CASE REPORT/ CHILD/ DWARFISM, PITUITARY, complications/ FEMALE/ HUMAN/ *SOMATOTROPIN, deficiency

3473. **Scorza R, Odero A, Giordanengo F:** L'iperplasia della midollare surrenalica. Minerva Med 69(55):3785–94, 14 Nov 78 (Eng. Abstr.) **(Ita)**
*ADRENAL GLAND DISEASES/ ADRENAL GLAND DISEASES, complications/ *ADRENAL MEDULLA/ ADRENAL MEDULLA, pathology/ ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ HYPERPLASIA/ *HYPERTENSION, etiology/ MALE

3474. **Scott DE, Scott PM, Krobisch-Dudley G:** Ultrastructural localization of radiolabelled L-dopa in the endocrine hypothalamus of the rat. Cell Tissue Res 195(1):29–43, 14 Dec 78
ANIMAL/ AUTORADIOGRAPHY/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, ultrastructure/ *LEVODOPA, metabolism/ MALE/ MEDIAN EMINENCE, metabolism/ MICROSCOPY, ELECTRON/ PARAVENTRICULAR NUCLEUS, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3475. **Scott E, Vaage J, Wiberg T:** Lack of release of prostaglandins from isolated perfused lungs during pulmonary hypertension and oedema. Br J Pharmacol 65(2):197–204, Feb 79
ANIMAL/ BLOOD PRESSURE/ CATS/ GUINEA PIGS/ HYDROGEN-ION CONCENTRATION/ *HYPERTENSION, PULMONARY, metabolism/ HYPERTENSION, PULMONARY, physiopathology/ IN VITRO/ *LUNG, metabolism/ *PROSTAGLANDINS, metabolism/ *PULMONARY EDEMA, metabolism/ RABBITS/ RESPIRATION/ TIME FACTORS

3476. **Scott JT:** New knowledge of the pathogenesis of gout. J Clin Pathol [Suppl] (12):205–13, 1978 (46 ref.)
AGING/ COMPLEMENT/ CRYSTALLIZATION/ ENDOTOXINS/ EXERTION/ FACTOR XII, physiology/ *GOUT, etiology/ GOUT, metabolism/ HUMAN/ HYDROGEN-ION CONCENTRATION/ INFLAMMATION/ NEUTROPHILS, physiology/ PROSTAGLANDINS, physiology/

PROTEOGLYCANS, metabolism/ REVIEW/ SOLUBILITY/ TEMPERATURE/ URIC ACID, blood/ URIC ACID, metabolism/ WOUNDS AND INJURIES, complications

3477. **Scott RS, Brownlie BE, Bremner JM:** Toxic autonomous thyroid nodule following neck irradiation. Aust NZ J Med 8(5):521–2, Oct 78
ADULT/ CASE REPORT/ HEAD AND NECK NEOPLASMS, radiotherapy/ HEMANGIOMA, radiotherapy/ HUMAN/ MALE/ *NEOPLASMS, RADIATION-INDUCED, etiology/ *RADIOTHERAPY, adverse effects/ SKIN NEOPLASMS, radiotherapy/ *THYROID NEOPLASMS, etiology

3478. **Scott WN, Reich IM, Brown JA Jr, et al:** Comparison of toad bladder aldosterone-induced proteins and proteins synthesized in vitro using aldosterone-induced messenger RNA as template. J Membr Biol 40 Spec No:213–20, 1978
*ALDOSTERONE, pharmacodynamics/ ANIMAL/ *BLADDER, metabolism/ BUFO/ CELL MEMBRANE, metabolism/ COMPARATIVE STUDY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ IN VITRO/ *PROTEINS, biosynthesis/ *RNA, MESSENGER, metabolism/ TEMPLATES/ TRANSCRIPTION, GENETIC/ TRANSLATION, GENETIC/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3479. **Sealey JE, Atlas SA, Laragh JH:** Linking the kallikrein and renin systems via activation of inactive renin: new data and a hypothesis. Am J Med 65(6):994–1000, Dec 78
ANGIOTENSINS, metabolism/ BLOOD PRESSURE/ BLOOD SPECIMEN COLLECTION/ COLD/ HUMAN/ *KALLIKREIN, urine/ KIDNEY, enzymology/ *KIDNEY, physiology/ KININS, metabolism/ *RENIN, blood/ VASOCONSTRICTION

3480. **Scaman WB:** The case of the lactating woman. Hosp Pract 13(12):33, 37, Dec 78
*ADENOMA, CHROMOPHOBE, radiography/ ADENOMA, CHROMOPHOBE, surgery/ ADULT/ CASE REPORT/ FEMALE/ *GALACTORRHEA, etiology/ HUMAN/ *LACTATION DISORDERS, etiology/ *PITUITARY NEOPLASMS, radiography/ PITUITARY NEOPLASMS, surgery/ *SELLA TURCICA, radiography/ SKULL, radiography/ SKULL, surgery

3481. **Seddon RM, Attwood EC:** Total urine oestriol by a modification of a commercial plasma oestriol kit. Ann Clin Biochem 15(6):338–9, Nov 78
ESTRIOL, blood/ *ESTRIOL, urine/ HUMAN/ KINETICS/ QUALITY CONTROL/ RADIOIMMUNOASSAY, methods/ REAGENT KITS, DIAGNOSTIC

3482. **Segal M:** A potent inhibitory monosynaptic hypothalamo-hippocampal connection. Brain Res 162(1):137–41, 16 Feb 79
ANIMAL/ AUTORADIOGRAPHY/ ELECTRIC STIMULATION/ FEEDBACK/ *HIPPOCAMPUS, anatomy & histology/ HIPPOCAMPUS, physiology/ HORSERADISH PEROXIDASE/ *HYPOTHALAMUS, anatomy & histology/ HYPOTHALAMUS, physiology/ MALE/ MAMMILLARY BODIES, anatomy & histology/ *NEURAL INHIBITION/ NEURAL PATHWAYS, anatomy & histology/ RATS/ SYNAPSES, physiology/ *SYNAPSES, ultrastructure

3483. **Segal S, Ron M, Laufer N, et al:** Prolactin in seminal plasma of infertile men. Arch Androl 1(1):49–52, 1978
HUMAN/ HYPOGONADISM, blood/ HYPOGONADISM, metabolism/ MALE/ OLIGOSPERMIA, blood/ OLIGOSPERMIA, metabolism/ *PROLACTIN, analysis/ PROLACTIN, blood/ *SEMEN, analysis/ STERILITY, MALE, blood/ STERILITY, MALE, etiology/ *STERILITY, MALE, metabolism

3484. **Sehn JT, Hayslett JP, Sheahan DG, et al:** Clinicopathological conference. Hypo-osmotic encephalopathy following renal arteriogram. J Urol 121(1):79–81, Jan 79
ADENOCARCINOMA, pathology/ *ANGIOGRAPHY, adverse effects/ CASE REPORT/ *COGNITION DISORDERS, etiology/ *CONFUSION, etiology/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYPONATREMIA, diagnosis/ *HYPONATREMIA, etiology/ INAPPROPRIATE ADH SYNDROME, diagnosis/ KIDNEY NEOPLASMS, pathology/ MIDDLE AGE/ NONPSYCHOTIC ORGANIC BRAIN SYNDROME, diagnosis/ *RENAL ARTERY, radiography

3485. **Seidel A:** Excorporation efficacy with Ca-DTPA of 241Am and 252Cf in the skeleton, liver, and kidney of the rat and Syrian and Chinese hamsters: lack of correlation with the biological half-times. Radiat Res 76(1):60–9, Oct 78
*AMERICIUM, metabolism/ AMERICIUM, pharmacodynamics/ ANIMAL/ BONE AND BONES, metabolism/ *CALIFORNIUM, metabolism/ CALIFORNIUM, pharmacodynamics/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DTPA, metabolism/ *DTPA, pharmacodynamics/ FEMALE/ HALF-LIFE/ HAMSTERS/ INJECTIONS, INTRAPERITONEAL/ KIDNEY, metabolism/ *LIVER, metabolism/ RATS

3486. **Seidenstadt RM, Eaton KE:** Adrenal and ovarian regulation of salt and sucrose consumption. Physiol Behav 21(3):313–6, Sep 78
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL/ BODY WEIGHT/ CASTRATION/ *DRINKING BEHAVIOR, physiology/ *FEEDING BEHAVIOR, physiology/ FEMALE/ *OVARY, physiology/ RATS/ *SODIUM CHLORIDE, administration & dosage/ *SUCROSE, administration & dosage/ TIME FACTORS

3487. **Seif SM, Robinson AG, Zenser TV, et al:** Neurohypophyseal peptides in hypothyroid rats: plasma levels and kidney response. Metabolism 28(2):137–43, Feb 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL/ *ARGIPRESSIN, metabolism/ ARGIPRESSIN, physiology/ BLOOD/ FEMALE/ *HYPOTHYROIDISM, metabolism/ KIDNEY MEDULLA, enzymology/ *KIDNEY, physiopathology/ NEUROPHYSINS, blood/ OSMOLAR CONCENTRATION/ RATS/ THYROID GLAND, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ URINE/ WATER, diagnostic use/ *WATER, metabolism/ WATER-ELECTROLYTE BALANCE

3488. **Seifert B, Liedtke MP:** Die Bildung der primären Prostaglandine E1 and F2 alpha im Uterus und im Ovar Untersuchungen zur Plasma-Konzentration in den lokalen Gefässen. Zentralbl Gynaekol 100(21):1368–74, 1978 (Eng. Abstr.) **(Ger)**
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *OVARY, metabolism/ PROSTAGLANDINS E, blood/ PROSTAGLANDINS F, blood/ *PROSTAGLANDINS, biosynthesis/ *UTERUS, metabolism

3489. **Seifert B, Liedtke MP:** Uterine Prostaglandine und Dysmenorrhoe. Zentralbl Gynaekol 100(21):1361–6, 1978 (Eng. Abstr.) **(Ger)**
*DYSMENORRHEA, blood/ DYSMENORRHEA, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INDOMETHACIN, administration & dosage/ MENSTRUATION/ PROSTAGLANDINS E, blood/ PROSTAGLANDINS F, blood/ *PROSTAGLANDINS, blood/ RADIOIMMUNOASSAY

3490. **Seifert B, Liedtke MP, Brockmann J, et al:** Investigations of hormones during early abortion induced by prostaglandin F2alpha and 15(S)-methyl-PGF2alpha. Acta Biol Med Ger 37(5–6):955–7, 1976
*ABORTION, INDUCED/ ADULT/ ESTRADIOL, blood/ FEMALE/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ LH, blood/ MENSTRUATION, drug effects/ *PREGNANCY TRIMESTER, FIRST/ PREGNANCY/ PROGESTERONE, blood/ PROSTAGLANDINS E, blood/ PROSTAGLANDINS F, blood/ *PROSTAGLANDINS F, diagnostic use/ PROSTAGLANDINS F, therapeutic use/ *PROSTAGLANDINS F, SYNTHETIC, diagnostic use/ PROSTAGLANDINS F, SYNTHETIC, therapeutic use

3491. **Seifert SC, Gelehrter TD:** Mechanism of dexamethasone inhibition of plasminogen activator in rat hepatoma cells. Proc Natl Acad Sci USA 75(12):6130–3, Dec 78

CELL LINE/ *DEXAMETHASONE, pharmacodynamics/ *HEPATOMA, EXPERIMENTAL, enzymology/ *PLASMINOGEN ACTIVATORS, antagonists & inhibitors/ PLASMINOGEN ACTIVATORS, metabolism/ PROTEASE INHIBITORS, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3492. **Seinsch W, Römmler A:** Ultrastructural classification of three different rat gonadotrophs after LH-RH stimulation.
Anat Histol Embryol 7(4):300–10, Dec 78
ANIMAL/ CYTOPLASMIC GRANULES, ultrastructure/ FEMALE/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ PITUITARY GLAND, ANTERIOR, cytology/ *PITUITARY GLAND, ANTERIOR, drug effects/ PITUITARY GLAND, ANTERIOR, ultrastructure/ RATS

3493. **Sekiya T, Kitajima Y, Nozawa Y:** Effects of lipid-phase separation on the filipin action on membranes of ergosterol-replaced Tetrahymena cells, as studied by freeze-fracture electron microscopy.
Biochim Biophys Acta 550(2):269–78, 19 Jan 79
ANIMAL/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, metabolism/ CELL MEMBRANE, ultrastructure/ *ERGOSTEROL, metabolism/ *FILIPIN, pharmacodynamics/ FREEZE FRACTURING/ *MEMBRANE FLUIDITY, drug effects/ *MEMBRANE LIPIDS, metabolism/ MICROSCOPY, ELECTRON/ *POLYENES, pharmacodynamics/ *TETRAHYMENA PYRIFORMIS, drug effects

3494. **Sellini M, Fierro A, Giovannini C:** Influenza della reserpina su la risposta cortisolemica alla ipo glicemia insulinica, nel soggetto normale. Boll Soc Ital Biol Sper 54(2):122–6, 30 Jan 78 **(Ita)**
ADOLESCENCE/ ADULT/ HUMAN/ *HYDROCORTISONE, blood/ *HYPOGLYCEMIA, blood/ HYPOGLYCEMIA, chemically induced/ INSULIN/ *RESERPINE, pharmacodynamics

3495. **Selwyn MJ, Fulton DV, Dawson AP:** Inhibition of mitochondrial anion permeability by local anaesthetics.
FEBS Lett 96(1):1481–51, 1 Dec 78
*ANESTHETICS, LOCAL, pharmacodynamics/ ANIMAL/ ANIONS/ BIOLOGICAL TRANSPORT, drug effects/ CALCIUM, metabolism/ HYDROGEN-ION CONCENTRATION/ INTRACELLULAR MEMBRANES, drug effects/ INTRACELLULAR MEMBRANES, metabolism/ *MITOCHONDRIA, LIVER, drug effects/ MITOCHONDRIA, LIVER, metabolism/ PERMEABILITY/ RATS

3496. **Semenovskiĭ AV:** Kolebaniia urovnia khorionicheskogo gonadotropina v protsesse pervichnogo lecheniia bol'nykh torfoblasticheskimi opukholiami. Akush Ginekol (Mosk) (12):21–4, Dec 78 (Eng. Abstr.) **(Rus)**
ADULT/ CHORIOCARCINOMA, urine/ ENGLISH ABSTRACT/ FEMALE/ *GONADOTROPINS, CHORIONIC, urine/ HUMAN/ HYDATIDIFORM MOLE, urine/ NEOPLASM METASTASIS/ TROPHOBLASTIC TUMOR, therapy/ *TROPHOBLASTIC TUMOR, urine/ UTERINE NEOPLASMS, therapy/ *UTERINE NEOPLASMS, urine

3497. **Al-Senawi DA, Downman CB:** Cardiac dysrhythmia of fastigial nuclear origin [proceedings] J Physiol (Lond) 284:87P–88P, Nov 78
ADRENALECTOMY/ ANIMAL/ *ARRHYTHMIA, physiopathology/ ATROPINE, pharmacodynamics/ CATS/ *CEREBELLAR NUCLEI, physiopathology/ ELECTROCARDIOGRAPHY/ HEART, drug effects/ VAGOTOMY

3498. **Senchik Iul, Pluzhnikov LT, Polenov AL:** O vzaimootnosheniiakh neirosekretornykh kletok s kapilliarami v preopticheskom iadre karpa. Tsitologiia 20(11):1256–63, Nov 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ BASEMENT MEMBRANE, cytology/ CAPILLARIES, cytology/ *CARP, anatomy & histology/ CELL MEMBRANE, ultrastructure/ *CYPRINIDAE, anatomy & histology/ ENDOTHELIUM, cytology/ ENGLISH ABSTRACT/ FEMALE/ *HYPOTHALAMUS, cytology/ MICROSCOPY, ELECTRON/ *NEUROSECRETORY SYSTEMS, cytology/ ONTOGENY/ PREOPTIC AREA, blood supply/ *PREOPTIC AREA, cytology

3499. **Senez P, Cillet JY:** Avenir et qualité des grossesses obtenues par l'association citrate de clomifène et gonadotrophine chorionique. A propos de 53 cas en série continue.
J Gynecol Obstet Biol Reprod (Paris) 7(5):987–90, May-Jun 78 (Eng. Abstr.) **(Fre)**
ABNORMALITIES, DRUG-INDUCED/ ABORTION, etiology/ *CLOMIPHENE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ *GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ INFANT, NEWBORN/ INFANT, PREMATURE/ *OVULATION INDUCTION/ *PREGNANCY/ PREGNANCY, MULTIPLE/ RISK

3500. **Senn HJ:** Störungen der Leukozytenfunktion. Methodik der Untersuchung und klinische Aspekte.
Haematol Bluttransfus 21:341–53, 1978 (46 ref.) **(Ger)**
BLOOD BACTERICIDAL ACTIVITY/ BONE MARROW EXAMINATION/ BURNS, blood/ CHEMOTAXIS, LEUKOCYTE/ COLLAGEN DISEASES, blood/ DIABETES MELLITUS, blood/ GRANULOCYTES, enzymology/ *HEMATOLOGIC DISEASES, blood/ HUMAN/ LEUKOCYTE COUNT/ *LEUKOCYTES, physiology/ LIVER DISEASES, blood/ *LYMPHATIC DISEASES, blood/ OPSONINS/ PHAGOCYTOSIS/ REVIEW/ STEROIDS, adverse effects/ UREMIA, blood

3501. **Serlin MJ, Orme MC, Maciver M, et al:** Rate of onset of hypotensive effect of oral labetalol. Br J Clin Pharmacol 7(2):165–8, Feb 79
ADMINISTRATION, ORAL/ COMPARATIVE STUDY/ *ETHANOLAMINES, therapeutic use/ FEMALE/ HUMAN/ *HYPERTENSION, drug therapy/ LABETALOL, administration & dosage/ *LABETALOL, therapeutic use/ MALE/ MIDDLE AGE/ PLACEBOS/ RENIN, blood

3502. **Sernia C, McDonald IR:** The effect of cortisol on the metabolic actions of insulin in the echidna, Tachyglossus aculeatus (Shaw). Gen Comp Endocrinol 36(1):1–6, Sep 78
ADRENAL CORTEX HORMONES, blood/ AMINO ACIDS, blood/ ANIMAL/ BEHAVIOR, ANIMAL, drug effects/ BLOOD SUGAR, metabolism/ COMPARATIVE STUDY/ *ECHIDNA, metabolism/ FATTY ACIDS, NONESTERIFIED, blood/ *HYDROCORTISONE, pharmacodynamics/ *INSULIN, pharmacodynamics/ *MONOTREMATA, metabolism/ UREA, blood

3503. **Serov VN, Tumilovich LG, Shakhova AD:** Lechenie funktsional'nogo besplodiia klostilbegitom.
Vopr Okhr Materin Det 23(12):42–5, Dec 78 (Eng. Abstr.) **(Rus)**
ADULT/ *CLOMIPHENE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ OVULATION, drug effects/ *STERILITY, FEMALE, drug therapy/ STIMULATION, CHEMICAL

3504. **Serov VV, Pal'tsev MA:** Strukturnoe obosnovanie funktsional'nykh sviazeĭ éndokrinnykh apparatov i nervoĭ sistemy pochek. Arkh Patol 40(11):3–11, 1978 (76 ref.) (Eng. Abstr.) **(Rus)**
ALDOSTERONE, physiology/ ANGIOTENSIN II, physiology/ ENDOCRINE GLANDS, innervation/ *ENDOCRINE GLANDS, physiopathology/ ENGLISH ABSTRACT/ HUMAN/ JUXTAGLOMERULAR APPARATUS, innervation/ JUXTAGLOMERULAR APPARATUS, physiopathology/ KIDNEY CORTEX, physiopathology/ KIDNEY DISEASES, physiopathology/ KIDNEY MEDULLA, physiopathology/ KIDNEY, innervation/ *KIDNEY, physiopathology/ NEPHRONS, innervation/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, physiology/ RECEPTORS, ADRENERGIC, physiology/ RECEPTORS, CHOLINERGIC, physiology/ RENIN, physiology/ REVIEW

3505. **Serralach N, Aguilo F:** Relation du flux sanguin rénal (F.S.R.) – masse rénale (M.R.) dans l'étiopathogénie de l'hypertension vasculo-rénale. Etude expérimentale sur le chien.
J Urol Nephrol (Paris) 83 Suppl 2:646–7, 1977 **(Fre)**
ANIMAL/ BLOOD PRESSURE/ DOGS/ HYPERTENSION, RENAL, pathology/ *HYPERTENSION, RENAL, physiopathology/ *KIDNEY, blood supply/ KIDNEY, pathology/ REGIONAL BLOOD FLOW/ RENAL ARTERY STENOSIS, physiopathology/ RENIN, blood

3506. **Serup J:** Ovarian carcinoma and fine needle aspiration biopsy

[letter] Acta Obstet Gynecol Scand 58(1):125–6, 1979
*BIOPSY, NEEDLE, instrumentation/ FEMALE/ HUMAN/ *OVARIAN NEOPLASMS, diagnosis/ VAGINA

3507. **Serup J:** Vaginal nålebiopsi ved store pelvistumorer med henblik på histologisk evaluering. Praeliminaere undersøgelser med et forslag til en ny biopsiteknik med anvendelse af to nålekalibre. Ugeskr Laeger 141(6):355–7, 5 Feb 79 (Eng. Abstr.) **(Dan)**
ADULT/ AGED/ *BIOPSY, NEEDLE, instrumentation/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, pathology/ OVARY, pathology/ *PELVIC NEOPLASMS, diagnosis/ PELVIC NEOPLASMS, pathology/ UTERINE NEOPLASMS, diagnosis/ UTERINE NEOPLASMS, pathology/ UTERUS, pathology/ VAGINA

3508. **Sesia G:** Cryoimmunologie et cancer de la prostate. J Urol Nephrol (Paris) 83 Suppl 2:416–7, 1977 **(Fre)**
ANDROGEN ANTAGONISTS, therapeutic use/ CASTRATION/ *CRYOGENIC SURGERY/ CYPROTERONE, therapeutic use/ HUMAN/ IGM, analysis/ MALE/ PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, immunology/ *PROSTATIC NEOPLASMS, surgery

3509. **Sever PS, Peart WS, Meade TW, et al:** Are racial differences in essential hypertension due to different pathogenetic mechanisms? Clin Sci Mol Med 55 Suppl 4:383s–386s, Dec 78
*CAUCASOID RACE/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ *HYPERTENSION, blood/ MALE/ *NEGROID RACE/ *NOREPINEPHRINE, blood/ *RENIN, blood

3510. **Sexton L, Anderton KJ, Lenton EA, et al:** The effects of Premarin and norgestrel on plasma FSH, LH and androstenedione in post-menopausal women. Postgrad Med J 54(2):42–6, 1978
ADULT/ *ANDROSTENEDIONE, blood/ CASTRATION/ *ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ FEMALE/ *FSH, blood/ HUMAN/ HYSTERECTOMY/ *LH, blood/ *MENOPAUSE, drug effects/ MIDDLE AGE/ *NORGESTREL, pharmacodynamics/ *PREMARIN, pharmacodynamics/ TIME FACTORS

3511. **Sfikakis A, Spyraki C, Sitaras N, et al:** Implication of the estrous cycle on conditioned avoidance behavior in the rat. Physiol Behav 21(3):441–6, Sep 78
ANIMAL/ *AVOIDANCE LEARNING, physiology/ CASTRATION/ DIURESIS/ DRINKING BEHAVIOR, physiology/ ESTRADIOL, blood/ *ESTRUS/ FEEDING BEHAVIOR, physiology/ FEMALE/ RATS

3512. **Shahani SM, Kulkarni PP, Patel KL:** Use of a radioreceptor test for HCG in women practicing contraception. Contraception 18(5):543–50, Nov 78
ABORTION, therapy/ ABORTION, INDUCED/ BINDING SITES/ CHORIONIC VILLI, pathology/ *CONTRACEPTIVE AGENTS/ *CONTRACEPTIVE DEVICES/ CURETTAGE/ FALSE POSITIVE REACTIONS/ FEMALE/ *GONADOTROPINS, CHORIONIC/ HUMAN/ MENSTRUATION/ *PREGNANCY TESTS/ PREGNANCY

3513. **Shain SA, McCullough B, Nitchuk WM:** Primary and transplantable adenocarcinomas of the A times C rat ventral prostate gland: morphologic characterization and examination of C19-steroid metabolism by early-passage tumors. JNCI 62(2):313–22, Feb 79
ACID PHOSPHATASE, metabolism/ ADENOCARCINOMA, metabolism/ *ADENOCARCINOMA, pathology/ ANIMAL/ MALE/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, pathology/ PROSTATIC HYPERTROPHY, pathology/ PROSTATIC NEOPLASMS, metabolism/ *PROSTATIC NEOPLASMS, pathology/ RATS/ RATS, INBRED STRAINS/ *TESTOSTERONE, metabolism/ TRANSPLANTATION, ISOGENEIC/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3514. **Shakhlamov VA, Barkhina TG, Liapin MN:** Submikroskopicheskie osobennosti vyiavleniia guanilattsiklazy v épitelial'nykh i miokardial'nykh kletkakh u mlekopitaiushchikh. Biull Eksp Biol Med 87(1):50–1, Jan 79 (Eng. Abstr.) **(Rus)**
ANIMAL/ CELL MEMBRANE, enzymology/ CELL NUCLEOLUS, enzymology/ CELL NUCLEUS, enzymology/ CYTOPLASM, enzymology/ ENGLISH ABSTRACT/ EPITHELIUM, cytology/ EPITHELIUM, enzymology/ *GUANYL CYCLASE, metabolism/ INTESTINES, enzymology/ LIVER, enzymology/ MYOCARDIUM, enzymology/ PANCREAS, enzymology/ RABBITS/ RATS

3515. **Shamim M:** Retropharyngeal goitre. J R Coll Surg Edinb 23(6):367–8, Nov 78
*ADENOMA, diagnosis/ ADENOMA, surgery/ ADULT/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ *GOITER, diagnosis/ GOITER, surgery/ HUMAN/ MALE/ *THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, surgery

3516. **Shanbaky NM, Borowitz JL:** Effect of pH on the response of adrenal medulla to various agonists. J Pharmacol Exp Ther 207(3):998–1003, Dec 78
ACETYLCHOLINE, pharmacodynamics/ *ADRENAL MEDULLA, drug effects/ ADRENAL MEDULLA, secretion/ ANIMAL/ BARIUM, pharmacodynamics/ CADMIUM, pharmacodynamics/ CAFFEINE, pharmacodynamics/ CALCIUM, pharmacodynamics/ CATECHOLAMINES, secretion/ CATTLE/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ MERCURY, pharmacodynamics/ POTASSIUM, pharmacodynamics/ TYRAMINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3517. **Shangold M, Freeman R, Thysen B, et al:** The relationship between long-distance running, plasma progesterone, and luteal phase length. Fertil Steril 31(2):130–3, Feb 79
ADULT/ COMPARATIVE STUDY/ ESTRADIOL, blood/ FEMALE/ FSH, blood/ HUMAN/ LH, blood/ *MENSTRUATION/ *PROGESTERONE, blood/ PROLACTIN, blood/ *RUNNING/ *SPORT MEDICINE

3518. **Shank BB, Kelley CD, Nisce LZ, et al:** Radiation therapy in lymphomatoid granulomatosis. Cancer 42(6):2572–80, Dec 78 (42 ref.)
CASE REPORT/ COMPARATIVE STUDY/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ GRANULOMA, radiotherapy/ HUMAN/ LYMPHOMA, radiotherapy/ LYMPHOPROLIFERATIVE DISORDERS, diagnosis/ LYMPHOPROLIFERATIVE DISORDERS, drug therapy/ *LYMPHOPROLIFERATIVE DISORDERS, radiotherapy/ MIDDLE AGE/ PREDNISONE, therapeutic use/ REVIEW/ WEGENER'S GRANULOMATOSIS, radiotherapy

3519. **Shapiro FB, Baskova IP, Cherkesova LU, et al:** Deistvie girudina na gormonal'no obuslovlennuiu aktivatsiiu nefermentativnogo fibrinoliza pri immobilizatsionnom stresse. Fiziol Zh SSSR 64(11):1567–74, Nov 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ COMPARATIVE STUDY/ CORTICOTROPIN, diagnostic use/ DRUG INTERACTIONS/ ENGLISH ABSTRACT/ EPINEPHRINE, diagnostic use/ FIBRINOLYSIN, antagonists & inhibitors/ *FIBRINOLYSIS/ *HIRUDIN, diagnostic use/ MALE/ RATS/ RESTRAINT, PHYSICAL/ *STRESS, blood/ STRESS, etiology/ TRYPSIN INHIBITORS

3520. **Shapiro LR, Graves ZR, Warburton D, et al:** Gonadal dysgenesis in association with autosomal chromosome aberration. Birth Defects 14(6C):167–70, 1978
ADOLESCENCE/ CASE REPORT/ CHROMOSOME BANDING/ CHROMOSOMES, HUMAN, ultrastructure/ *CHROMOSOMES, HUMAN, 13–15/ *CHROMOSOMES, HUMAN, 6–12/ FEMALE/ HUMAN/ KARYOTYPING/ *TRANSLOCATION (GENETICS)/ *TURNER'S SYNDROME, familial & genetic

3521. **Sharaf AA, el-Din AK, Hamdy MA, et al:** Effect of ascorbic acid on oxygen consumption, glycolysis and lipid metabolism of diabetic rat testis. Ascorbic acid and diabetes, I. J Clin Chem Clin Biochem 16(12):651–5, Dec 78
ANIMAL/ *ASCORBIC ACID, pharmacodynamics/ CARBOHYDRATES, metabolism/ CHOLESTEROL, metabolism/ *DIABETES MELLITUS,

EXPERIMENTAL, metabolism/ *GLYCOLYSIS, drug effects/ *LIPIDS, metabolism/ MALE/ ORGAN WEIGHT, drug effects/ OXYGEN CONSUMPTION, drug effects/ PHOSPHOLIPIDS, metabolism/ RATS/ TESTIS, drug effects/ *TESTIS, metabolism/ TRIGLYCERIDES, metabolism

3522. **Sharma AK, Gupta RC:** Epididymal sperm reserve in Buffalo-bulls (Bubalus bubalis). Andrologia 10(6):479-83, Nov-Dec 78
ANIMAL/ *BUFFALOES/ CATTLE/ CELL COUNT/ EPIDIDYMIS/ MALE/ ORGAN WEIGHT/ SPERM HEAD/ SPERM TAIL/ *SPERMATOZOA/ TESTIS, cytology

3523. **Sharma MP, Mathur RS, Mehta K:** Effect of borax on testis of Indian desert gerbil, Meriones hurriane Jerdon. Experientia 34(10):1374-5, 15 Oct 78
ANIMAL/ *BORATES, pharmacodynamics/ *GERBILS, physiology/ MALE/ ORGAN WEIGHT, drug effects/ *TESTIS, drug effects/ TESTIS, enzymology/ TESTIS, pathology

3524. **Sharov VG, Orlova TsR, Saks VA:** Ul'trastrukturnye osnovy ostroi serdechnoi nedostatochnosti, ne sviazannoi s narusheniiami ritma. Arkh Patol 40(10):3-14, 1978 (85 ref.) (Eng. Abstr.) **(Rus)**
ACUTE DISEASE/ ADENOSINE TRIPHOSPHATE, deficiency/ ANIMAL/ CALCIUM, metabolism/ ENERGY METABOLISM/ ENGLISH ABSTRACT/ HUMAN/ MICROSCOPY, ELECTRON/ *MITOCHONDRIA, HEART, metabolism/ MYOCARDIAL CONTRACTION/ MYOCARDIAL INFARCTION, pathology/ *MYOCARDIAL INFARCTION, physiopathology/ MYOCARDIUM, metabolism/ *MYOCARDIUM, ultrastructure/ PHOSPHOCREATINE, deficiency/ RABBITS/ REVIEW

3525. **Shashaty GG, Rath CE:** Idiopathic thrombocytopenic purpura in the elderly. Am J Med Sci 276(3):263-7, Nov-Dec 78
AGED/ FEMALE/ HEMORRHAGE, etiology/ HUMAN/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use/ PURPURA, THROMBOPENIC, complications/ *PURPURA, THROMBOPENIC, therapy/ SPLENECTOMY/ VINCRISTINE, therapeutic use

3526. **Shatton JB, Morris HP, Weinhouse S:** Creatine kinase activity and isozyme composition in normal tissues and neoplasms of rats and mice. Cancer Res 39(2 Pt 1):492-501, Feb 79
ADENYL CYCLASE, metabolism/ ANIMAL/ ANIMALS, NEWBORN/ COMPARATIVE STUDY/ *CREATINE KINASE, metabolism/ FEMALE/ FETUS, enzymology/ *ISOENZYMES, metabolism/ LIVER REGENERATION/ LIVER, enzymology/ MICE/ *NEOPLASMS, EXPERIMENTAL, enzymology/ PREGNANCY/ RATS/ TISSUE DISTRIBUTION/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3527. **Shaw KM, Lees AJ, Franks S, et al:** Endocrine aspects of bromocriptine therapy in Parkinsonism. J Neural Transm 43(2):153-60, 1978
DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ LONG TERM CARE/ MIDDLE AGE/ PARKINSON DISEASE, blood/ *PARKINSON DISEASE, drug therapy/ *PROLACTIN, blood/ *SOMATOTROPIN, blood/ THYROTROPIN RELEASING HORMONE, administration & dosage/ *THYROTROPIN, blood/ *2-BROMOERGOCRYPTINE, therapeutic use

3528. **Shaw RW:** Neuroendocrinology of the menstrual cycle in humans. Clin Endocrinol Metab 7(3):531-59, Nov 78
AMENORRHEA, physiopathology/ CATECHOLAMINES, physiology/ ESTRADIOL, blood/ FEEDBACK/ FEMALE/ FSH, blood/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, anatomy & histology/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ LH, blood/ LH-FSH RELEASING HORMONE, physiology/ *MENSTRUATION/ MENSTRUATION, drug effects/ OVARY, physiology/ PITUITARY GLAND, physiology/ PROGESTERONE, blood/ PROGESTERONE, pharmacodynamics

3529. **Shaw RW:** Differential response to LHRH following oestrogen therapy in women with amenorrhoea. Br J Obstet Gynaecol 86(1):69-75, Jan 79
ADULT/ AMENORRHEA, blood/ AMENORRHEA, drug therapy/ *AMENORRHEA, physiopathology/ CLOMIPHENE, pharmacodynamics/ CLOMIPHENE, therapeutic use/ *ESTRADIOL, therapeutic use/ FEMALE/ FSH, blood/ HUMAN/ LH, blood/ *LH-FSH RELEASING HORMONE, diagnostic use/ OVULATION, drug effects

3530. **Shechter Y, Hernaez L, Cuatrecasas P:** Epidermal growth factor: biological activity requires persistent occupation of high-affinity cell surface receptors. Proc Natl Acad Sci USA 75(12):5788-91, Dec 78
ANTIGEN-ANTIBODY REACTIONS/ CELL LINE/ CELL MEMBRANE, metabolism/ DNA, biosynthesis/ EPIDERMAL GROWTH FACTORS, immunology/ *EPIDERMAL GROWTH FACTORS, metabolism/ FIBROBLASTS, metabolism/ KINETICS/ *PEPTIDES, metabolism/ PROTEIN BINDING/ *RECEPTORS, HORMONE, metabolism/ THYMIDINE, metabolism

3531. **Sheeler LR, Kumar MS, Schumacher OP:** Serum prolactin levels in hypothyroidism. Cleve Clin Q 45(4):307-10, Winter 78
ADOLESCENCE/ ADULT/ AGED/ CASE REPORT/ CHILD/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, blood/ MALE/ MIDDLE AGE/ *PROLACTIN, blood/ THYROTROPIN, blood

3532. **Sheĭnin PI:** O lipidnokletochnykh (lipoidnokletochnykh) opukholiakh iaichnikov. Probl Endokrinol (Mosk) 25(1):23-8, Jan-Feb 79 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ ARRHENOBLASTOMA, metabolism/ *ARRHENOBLASTOMA, pathology/ ENGLISH ABSTRACT/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ *LIPIDS, metabolism/ OVARIAN NEOPLASMS, classification/ OVARIAN NEOPLASMS, metabolism/ *OVARIAN NEOPLASMS, pathology/ THECA CELL TUMOR, metabolism/ *THECA CELL TUMOR, pathology

3533. **Sheppard MC, Kronheim S, Pimstone BL:** Effect of substance P, neurotensin and the enkephalins on somatostatin release from the rat hypothalamus in vitro. J Neurochem 32(2):647-9, Feb 79
ANIMAL/ *ENDORPHINS, pharmacodynamics/ *ENKEPHALINS, pharmacodynamics/ HYPOTHALAMUS, drug effects/ MALE/ *NEUROTENSIN, pharmacodynamics/ RATS/ *SOMATOTROPIN RELEASE INHIBITING HORMONE, secretion/ *SUBSTANCE P, pharmacodynamics

3534. **Sheridan P:** Presentation of primary hyperparathyroidism to a general medical unit. Postgrad Med J 54(634):547-51, Aug 78
ADULT/ CASE REPORT/ CHOLECYSTITIS, etiology/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, etiology/ JAUNDICE, etiology/ MALE/ MIDDLE AGE/ PANCREATITIS, etiology/ PARATHYROID NEOPLASMS, complications

3535. **Sheridan SJ, Robb RM:** Optic nerve hypoplasia with diabetes insipidus. j Pediatr Opthalmol Strabismus 15(2):82-4, Mar-Apr 78
CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ *DIABETES INSIPIDUS, complications/ DIABETES INSIPIDUS, diagnosis/ DIABETES INSIPIDUS, drug therapy/ ELECTROENCEPHALOGRAPHY/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ NYSTAGMUS, complications/ *OPTIC NERVE, abnormalities/ PITUITARY FUNCTION TESTS/ PNEUMOENCEPHALOGRAPHY/ PREGNANCY COMPLICATIONS/ PREGNANCY/ QUADRIPLEGIA, complications/ *SEPTUM PELLUCIDUM, abnormalities/ STRABISMUS, complications/ VASOPRESSINS, therapeutic use

3536. **Sherwood J, Reinhard D, Garcia M:** Does cimetidine inhibit parathyroid hormone secretion? [letter] N Engl J Med 300(4):200-1, 25 Jan 79
CASE REPORT/ *CIMETIDINE, pharmacodynamics/ CIMETIDINE, therapeutic use/ FEMALE/ *GUANIDINES, pharmacodynamics/ HUMAN/ HYPERPARATHYROIDISM, drug therapy/ MIDDLE AGE/ PARATHYROID HORMONE, antagonists & inhibitors/ *PARATHYROID

HORMONE, secretion/ STOMACH ULCER, drug therapy

3537. **Sheth AR, Gunjikar AN, Shah GV:** Effect of LH, prolactin and spermine on ATPase activity of human spermatozoa. Andrologia 11(1):11–14, Jan 79
*ADENOSINE TRIPHOSPHATASE, metabolism/ HUMAN/ *LH, pharmacodynamics/ MALE/ *PROLACTIN, pharmacodynamics/ *SPERMATOZOA, enzymology/ *SPERMINE, pharmacodynamics

3538. **Sheth NA, Tikekar SS, Ranadive KJ, et al:** Influence of bromoergocryptine on estrogen-modulated prolactin receptors of mouse mammary gland. Mol Cell Endocrinol 12(2):167–76, Nov 78
ANIMAL/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTRADIOL, pharmacodynamics/ FEMALE/ MAMMAE, drug effects/ *MAMMAE, metabolism/ MICE/ PITUITARY GLAND, metabolism/ *PROLACTIN, metabolism/ RECEPTORS, HORMONE, drug effects/ *RECEPTORS, HORMONE, metabolism/ *2-BROMOERGOCRYPTINE, pharmacodynamics

3539. **Shetty PS, Jung RT, James WP:** Effect of catecholamine replacement with levodopa on the metabolic response to semistarvation. Lancet 1(8107):77–9, Jan 79
ADAPTATION, PHYSIOLOGICAL/ ADULT/ BASAL METABOLISM/ COMPARATIVE STUDY/ *DIET, REDUCING/ *ENERGY METABOLISM/ FEMALE/ HUMAN/ LEVODOPA, administration & dosage/ *LEVODOPA, therapeutic use/ *NOREPINEPHRINE, metabolism/ *OBESITY, diet therapy/ OBESITY, metabolism/ TIME FACTORS/ TRIIODOTHYRONINE, metabolism

3540. **Sheves M, Mazur Y, Noff D, et al:** Biological deactivation of the active analogue of cholecalciferol. FEBS Lett 96(1):75–8, 1 Dec 78
ANIMAL/ BIOTRANSFORMATION/ CHICKENS/ DIHYDROXYCHOLECALCIFEROLS, metabolism/ ESTERIFICATION/ *HYDROXYCHOLECALCIFEROLS, metabolism/ *LIVER, metabolism/ MALE

3541. **Shibata N, Ohashi H, Takewaki T, et al:** Calcium source for contractile response of guinea pig taenia caecum to carbachol in a calcium deficient, potassium rich solution. Jpn J Pharmacol 28(4):561–8, Aug 78
ANIMAL/ *CALCIUM, metabolism/ CALCIUM, physiology/ *CARBACHOL, pharmacodynamics/ CECUM/ DRUG SYNERGISM/ EGTA, pharmacodynamics/ FEMALE/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ IN VITRO/ LANTHANUM, pharmacodynamics/ MALE/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ POTASSIUM, metabolism/ STIMULATION, CHEMICAL

3542. **Shibota M, Nagaoka A, Shino A, et al:** Renin-angiotensin system in severe hypertension of stroke-prone SHR rats. Jpn Heart J 19(4):655–6, Jul 78
*ANGIOTENSIN II, blood/ ANIMAL/ *CEREBROVASCULAR DISORDERS, blood/ *HYPERTENSION, blood/ MALE/ RATS/ *RENIN, blood/ SODIUM CHLORIDE

3543. **Shigemasa C, Yoshida A, Okamura Y, et al:** [Fundamental and clinical studies on the measurement of serum thyroxine by CK-R4A kit (author's transl)] Kaku Igaku 15(7):1043–8, Oct 78 **(Jpn)**
HUMAN/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC/ THYROID DISEASES, blood/ *THYROXINE, blood

3544. **Shima S, Kawashima Y, Hirai M:** Studies on cyclic nucleotides in the adrenal gland. VII. Cyclic AMP systems in the adrenal medulla in vivo. Jpn J Pharmacol 28(4):597–605, Aug 78
ACETYLCHOLINE, pharmacodynamics/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ADRENAL MEDULLA, enzymology/ *ADRENAL MEDULLA, metabolism/ ANIMAL/ CATECHOLAMINES, metabolism/ CATECHOLAMINES, physiology/ EPINEPHRINE, pharmacodynamics/ INFUSIONS, PARENTERAL, methods/ MALE/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS

3545. **Shima S, Kawashima Y, Hirai M:** Studies on cyclic nucleotides in the adrenal gland. IX. Effects of ACTH on cyclic AMP and steroid production by the zona fasciculata-reticularis of the adrenal cortex. Acta Endocrinol (Copenh) 90(1):139–46, Jan 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADRENAL CORTEX, metabolism/ ANIMAL/ CALCIUM, pharmacodynamics/ *CORTICOSTERONE, biosynthesis/ CORTICOTROPIN, antagonists & inhibitors/ *CORTICOTROPIN, pharmacodynamics/ IPROVERATRIL, pharmacodynamics/ LANTHANUM, pharmacodynamics/ MALE/ RATS/ TETRACAINE, pharmacodynamics

3546. **Shimada K, Yazaki Y:** The effect of thyroxine on (Na+, K+)-ATPase from the heart and the kidney of rabbit. Jpn Heart J 19(5):754–61, Sep 78
*ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM, metabolism/ ANIMAL/ DRUG RESISTANCE/ FEMALE/ *KIDNEY, enzymology/ MAGNESIUM, pharmacodynamics/ MICROSOMES, enzymology/ *MYOCARDIUM, enzymology/ OUABAIN, pharmacodynamics/ POTASSIUM, pharmacodynamics/ RABBITS/ SODIUM, pharmacodynamics/ *THYROXINE, pharmacodynamics

3547. **Shimamoto K, Miyahara M:** [Symposium on edema. (2) Clinics of edema. V) A role of endocrinological factors in edema of unknown etiology with special reference to idiopathic edema (author's transl)] Nippon Naika Gakkai Zasshi 67(11):1354–8, 10 Nov 78 **(Jpn)**
ADULT/ ANGIOTENSIN II, secretion/ *EDEMA, physiopathology/ FEMALE/ HUMAN/ KALLIKREIN, secretion/ KININS, secretion/ MALE/ MIDDLE AGE/ RENIN, secretion/ VASOPRESSINS, secretion

3548. **Shimizu T, Yoshida H, Joko J, et al:** [Clinical results of serum cortisol determination with 'Cortisol-Eiken'] Horumon To Rinsho 26(10):1051–3, Oct 78 **(Jpn)**
ADULT/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ MALE/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC

3549. **Shiomi H, Murakami H, Takagi H:** Morphine analgesia and the bulbospinal serotonergic system: increase in concentration of 5-hydroxyindoleacetic acid in the rat spinal cord with analgesics. Eur J Pharmacol 52(3–4):335–44, 1 Dec 78
*ANALGESICS, pharmacodynamics/ ANIMAL/ *HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ *MORPHINE, pharmacodynamics/ NARCOTIC ANTAGONISTS, pharmacodynamics/ NEURONS, metabolism/ PROBENECID, pharmacodynamics/ RATS/ *SEROTONIN, physiology/ SPINAL CORD, drug effects/ *SPINAL CORD, metabolism/ TIME FACTORS/ TRYPTOPHAN HYDROXYLASE, antagonists & inhibitors

3550. **Shirama K:** Induction of persistent estrus by constant light: effects of neonatal constant light and Harderian gland function. Neuroendocrinology 27(5–6):193–203, 1978
ANIMAL/ ANIMALS, NEWBORN/ *ESTRUS/ FEMALE/ *HARDERIAN GLAND, physiology/ *LACRIMAL APPARATUS, physiology/ *LIGHT/ LIGHTING/ OVARY, physiology/ RATS/ *SEX MATURATION/ VAGINA, physiology

3551. **Shizume K, Demura H, Takano K:** [Studies of TSH radioimmunoassay kit, 'Eiken'] Horumon To Rinsho 26(10):1063–6, Oct 78 **(Jpn)**
HUMAN/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC/ THYROID DISEASES, blood/ *THYROTROPIN, blood

3552. **Shkodkin IV:** Vliianie élektrostimuliatsii srednego otdela gipotalamusa koshek na osobennosti perestroika nervnykh volokon sedalishchnogo nerva pri éksperimental'nom nevrite. Arkh Anat Gistol Embriol 75(12):46–53, Dec 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ BRAIN DISEASES, complications/ CATS/ ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ FEMALE/ *HYPOTHALAMUS, physiopathology/ *HYPOTHALAMUS, MEDIAL, physiopathology/ MALE/ MYELIN SHEATH, pathology/ NEURITIS, complications/ *NEURITIS, pathology/ *PERIPHERAL NERVES, pathology/ TIME FACTORS

3553. **Shlatz LJ, Kimberg DV, Cattieu KA:** Phosphorylation of specific rat intestinal microvillus and basal-lateral membrane proteins by cyclic nucleotides. Gastroenterology 76(2):293–9, Feb 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ *CELL MEMBRANE, metabolism/ CELL SEPARATION/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ EPITHELIUM, cytology/ EPITHELIUM, enzymology/ EPITHELIUM, metabolism/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ INTESTINAL MUCOSA, enzymology/ *INTESTINAL MUCOSA, metabolism/ INTESTINE, SMALL, enzymology/ INTESTINE, SMALL, metabolism/ MALE/ MEMBRANE PROTEINS, analysis/ *MEMBRANE PROTEINS, metabolism/ METHODS/ *MICROVILLI, metabolism/ PHOSPHORYLATION/ *PROTEIN KINASE, physiology/ RATS/ STIMULATION, CHEMICAL/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3554. **Shleien B, Tucker TT, Johnson DW:** The mean active bone marrow dose to the adult population of the United States from diagnostic radiology. Health Phys 34(6):587–601, Jun 78
ABDOMEN, radiography/ ADOLESCENCE/ ADULT/ AGE FACTORS/ BONE AND BONES, radiography/ *BONE MARROW, radiation effects/ FLUOROSCOPY/ HUMAN/ MODELS, BIOLOGICAL/ PELVIS, radiography/ *RADIATION DOSAGE/ *RADIOGRAPHY/ RADIOGRAPHY, DENTAL/ TECHNOLOGY, RADIOLOGIC/ THORACIC RADIOGRAPHY/ UNITED STATES/ X-RAYS

3555. **Shoemaker DW, Cummins JT, Bidder TG:** beta-Carbolines in rat arcuate nucleus. Neuroscience 3(2):233–9, 1978
ANIMAL/ BRAIN MAPPING/ CARBOLINES, analysis/ *CARBOLINES, metabolism/ CHLORPROMAZINE, pharmacodynamics/ HISTOCYTOCHEMISTRY/ HYPOTHALAMUS, analysis/ *HYPOTHALAMUS, metabolism/ *INDOLES, metabolism/ LASERS/ MALE/ RATS/ SPECTROMETRY, FLUORESCENCE/ UNITED STATES GOV'T SUPPORTED

3556. **Shoenfeld Y, Berliner S, Segenreich E, et al:** Simultaneous nasopharyngeal and testicular involvement as a presenting sign of malignant histiocytic lymphoma [letter] S Afr Med J 54(12):469, 16 Sep 78
ADULT/ AGED/ CASE REPORT/ HUMAN/ MALE/ MIDDLE AGE/ *NASOPHARYNGEAL NEOPLASMS/ NEOPLASM METASTASIS/ *SARCOMA, RETICULUM CELL/ *TESTICULAR NEOPLASMS

3557. **Shoer LF, Shine NR, Talamantes F:** Isolation and partial characterization of secreted mouse pituitary prolactin. Biochim Biophys Acta 537(2):336–47, 20 Dec 78
ANIMAL/ FEMALE/ MAMMAE, metabolism/ MICE/ MOLECULAR WEIGHT/ ORGAN CULTURE/ PEPTIDE FRAGMENTS, analysis/ *PITUITARY GLAND, ANTERIOR, secretion/ *PROLACTIN, isolation & purification/ PROLACTIN, secretion/ RECEPTORS, HORMONE, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3558. **Shokeir MH:** Pregnancy in five women with 45,X/46,XX and 45,X/47,XXX gonadal dysgenesis. Birth Defects 14(6C):171-84, 1978
ADULT/ CASE REPORT/ CHROMOSOMES, HUMAN, ultrastructure/ FEMALE/ HUMAN/ KARYOTYPING/ *MOSAICISM/ *PREGNANCY/ *TURNER'S SYNDROME, familial & genetic/ X CHROMOSOME

3559. **Shokeir MH:** Short stature, absent thumbs, flat facies, anosmia and combined immune deficiency (CID). Birth Defects 14(6A):103–16, 1978
ADULT/ *ANOSMIA, familial & genetic/ CASE REPORT/ CONSANGUINITY/ *DWARFISM, familial & genetic/ *FACE, abnormalities/ FEMALE/ HUMAN/ *IMMUNOLOGIC DEFICIENCY SYNDROMES, familial & genetic/ MALE/ PEDIGREE/ SYNDROME/ *THUMB, abnormalities

3560. **Shucart WA, Stein BM:** Transcallosal approach to the anterior ventricular system. Neurosurgery 3(3):339–43, Nov-Dec 78
ADULT/ *ASTROCYTOMA, surgery/ BRAIN DISEASES, surgery/ CEREBRAL HEMORRHAGE, surgery/ *CEREBRAL VENTRICLE NEOPLASMS, surgery/ CHILD/ CORPUS CALLOSUM, surgery/ *CRANIOPHARYNGIOMA, surgery/ CYSTS, surgery/ HAMARTOMA, surgery/ HEMATOMA, surgery/ HUMAN/ INFANT/ MALE/ METHODS/ MIDDLE AGE/ NEOPLASM METASTASIS/ POSTOPERATIVE COMPLICATIONS

3561. **Shukhgalter IA, Anokhin BM:** Sarkomy shchitovidnoĭ zhelezy. Vopr Onkol 24(12):77–8, 1978 **(Rus)**
AGED/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ LYMPHOSARCOMA, diagnosis/ MALE/ MIDDLE AGE/ *SARCOMA, diagnosis/ *THYROID NEOPLASMS, diagnosis/ THYROIDITIS, LYMPHOMATOUS, diagnosis

3562. **Shvets VN, Portugalov VV:** Organy krovetvoreniia myshei posle odnokratnogo vvedeniia gidrokortizona. Biull Eksp Biol Med 87(1):12–6, Jan 79 (Eng. Abstr.) **(Rus)**
ANIMAL/ BONE MARROW, drug effects/ *COLONY-FORMING UNITS ASSAY/ ENGLISH ABSTRACT/ FEMALE/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ LYMPH NODES, drug effects/ MICE/ SPLEEN, drug effects/ THYMUS GLAND, drug effects

3563. **Shyr CI, Liao S:** Protein factor that inhibits binding and promotes release of androgen-receptor complex from nuclear chromatin. Proc Natl Acad Sci USA 75(12):5969–73, Dec 78
CELL NUCLEUS, metabolism/ *CHROMATIN, metabolism/ CYTOSOL, metabolism/ NUCLEAR MEMBRANE, metabolism/ *PROSTATE, metabolism/ *PROTEINS, metabolism/ *RECEPTORS, ANDROGEN, metabolism/ *RECEPTORS, STEROID, metabolism/ STANOLONE, metabolism/ TEMPERATURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3564. **Sibalin M, Gersti F, Bürki F:** Bovine adenoviruses. II. Electron microscopic studies and ultrastructural classification of strains AKB and 37/67. Zentralbl Veterinaermed [B] 25(7):566–75, Sep 78
ADENOVIRUS INFECTIONS, pathology/ ADENOVIRUS INFECTIONS, veterinary/ *ADENOVIRUSES, classification/ ADENOVIRUSES, ultrastructure/ ANIMAL/ CATTLE DISEASES, pathology/ CATTLE/ MALE/ TESTIS, microbiology/ TESTIS, pathology/ VIRUS CULTIVATION

3565. **Sibley CP, Whitehouse BJ, Vinson GP, et al:** Studies on the distribution of steroid between medium and tissue after incubation of rat adrenal glands in vitro [proceedings] J Endocrinol 79(2):63P–64P, Nov 78
*ADRENAL GLANDS, metabolism/ ADRENAL GLANDS, secretion/ ANIMAL/ *CORTICOSTERONE, biosynthesis/ CORTICOSTERONE, secretion/ CULTURE MEDIA/ ORGAN CULTURE/ RATS/ 18-HYDROXYDESOXYCORTICOSTERONE, secretion

3566. **Sicuteri F, Giotti A:** Pharmakologische Grundlagen der Phlebologie. MMW 121(2):55–6, 12 Jan 79 **(Ger)**
DOPAMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ NOREPINEPHRINE, pharmacodynamics/ SEROTONIN, pharmacodynamics/ TYRAMINE, pharmacodynamics/ *VASOCONSTRICTION, drug effects/ *VEINS, innervation

3567. **Sieck GC, Nance DM, Gorski RA:** Regulation of feeding behavior in the prepubertal female rat. Physiol Behav 21(5):727–33, Nov 78
AGE FACTORS/ ANIMAL/ BRAIN MAPPING/ COMPARATIVE STUDY/ DIET/ *FEEDING BEHAVIOR, physiology/ FEMALE/ FOOD PREFERENCES/ GLUCOSE/ *HYPOTHALAMUS, physiology/ *HYPOTHALAMUS, MEDIAL, physiology/ MALE/ PUBERTY/ RATS/ SEX FACTORS/ SODIUM CHLORIDE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3568. **Siegel HI, Rosenblatt JS:** Effects of adrenalectomy on maternal behavior in pregnancy-terminated rats. Physiol Behav 21(5):831–3, Nov 78

*ABORTION, VETERINARY/ *ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL/ ESTRADIOL, pharmacodynamics/ FEMALE/ *MATERNAL BEHAVIOR/ PREGNANCY/ RATS/ REACTION TIME/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3569. **Siegrist HP, Burkart T, Hoffmann K, et al:** Influence of reduced cholesterol synthesis on the activity of cerebroside sulfotransferase in cultured glioblastoma cells treated with estradiol. Biochim Biophys Acta 572(1):160–6, 29 Jan 79
ANIMAL/ CELL MEMBRANE, metabolism/ CELLS, CULTURED/ CEREBROSIDES/ *CHOLESTEROL, biosynthesis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTRADIOL, pharmacodynamics/ *GLIOMA, metabolism/ NEOPLASM PROTEINS, metabolism/ PHOSPHOLIPIDS, metabolism/ RATS/ *SULFURTRANSFERASES, metabolism/ TRITONS, pharmacodynamics

3570. **Siep E:** Molecular model for sodium conductance and calcium transport in the squid axon. J Math Biol 5(2):143–68, 3 Mar 78
ANIMAL/ *AXONS, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ KINETICS/ MATHEMATICS/ MODELS, BIOLOGICAL/ *SODIUM, metabolism/ SQUID

3571. **Sigg K, Gericke A:** Varicenbehandlung durch Sklerosierung. Langenbecks Arch Chir 347:231–4, Nov 78 (Eng. Abstr.) **(Ger)**
AGED/ BANDAGES/ ENGLISH ABSTRACT/ HUMAN/ *IODIDES, therapeutic use/ MALE/ MIDDLE AGE/ *SCLEROSING SOLUTIONS, therapeutic use/ *SODIUM IODIDE, therapeutic use/ *VARICOSE VEINS, therapy

3572. **Silaev AA, Ziuziukin IuV, Bubnova NI:** Eksperimental'noe issledovanie gonadotropnogo deĭstviia gidrookisi strontsiia. Gig Tr Prof Zabol (1):43–4, 1979 **(Rus)**
ANIMAL/ ENVIRONMENTAL EXPOSURE/ FEMALE/ HYDROXIDES/ MALE/ *OVARY, drug effects/ PREGNANCY/ RATS/ REPRODUCTION, drug effects/ SPERMATOGENESIS, drug effects/ *STRONTIUM, toxicity/ *TESTIS, drug effects/ TIME FACTORS

3573. **Silber B, Sheiner LB, Powers JL, et al:** Spironolactone-associated digoxin radioimmunoassay interference. Clin Chem 25(1):48–50, Jan 79
COMPARATIVE STUDY/ *DIGOXIN, blood/ HUMAN/ IODINE RADIOISOTOPES/ MALE/ RADIOIMMUNOASSAY, methods/ *SPIRONOLACTONE, blood/ TRITIUM/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3574. **Silber SJ:** Microsurgical aspects of varicocele. Fertil Steril 31(2):230–2, Feb 79
ADULT/ CASE REPORT/ HUMAN/ MALE/ MICROSURGERY/ STERILITY, MALE, pathology/ TESTIS, pathology/ *VARICOCELE, surgery

3575. **Silberbauer K, Schernthaner G, Sinzinger H, et al:** Decreased vascular prostacyclin in juvenile-onset diabetes [letter] N Engl J Med 300(7):366–7, 15 Feb 79
ADULT/ *BLOOD VESSELS, metabolism/ DIABETES MELLITUS, JUVENILE, blood/ *DIABETES MELLITUS, JUVENILE, metabolism/ HUMAN/ PLATELET AGGREGATION/ *PROSTAGLANDINS X, metabolism/ *PROSTAGLANDINS, metabolism

3576. **Silbermann M:** Late effects of corticosteroid treatment on condylar regeneration in the monkey. J Oral Surg 37(2):83–7, Feb 79
ANIMAL/ BABOONS/ BLOOD CHEMICAL ANALYSIS/ *BONE REGENERATION, drug effects/ CARTILAGE, ARTICULAR, anatomy & histology/ COLLAGEN/ MANDIBULAR CONDYLE, anatomy & histology/ *MANDIBULAR CONDYLE, drug effects/ MANDIBULAR CONDYLE, physiology/ MANDIBULAR CONDYLE, surgery/ MONKEYS/ *TRIAMCINOLONE ACETONIDE, pharmacodynamics

3577. **Silva de Sá MF, Meirelles RS:** Estriol antagonism of the action of bradykinin and adrenalin on human umbilical artery. Gynecol Obstet Invest 9(1):49–56, 1978
*BRADYKININ, antagonists & inhibitors/ *EPINEPHRINE, antagonists & inhibitors/ *ESTRIOL, pharmacodynamics/ FEMALE/ HUMAN/ IN VITRO/ MATERNAL-FETAL EXCHANGE, drug effects/ PREGNANCY/ *UMBILICAL ARTERIES, drug effects/ VASOCONSTRICTION, drug effects

3578. **Silveira SR, Hadler WA:** Catalases and peroxidases histochemical detection; techniques suitable to discriminate these enzymes. Acta Histochem (Jena) 63(1):1–10, 1978
*ADRENAL GLANDS, enzymology/ ANIMAL/ BENZIDINES, metabolism/ *BONE MARROW, enzymology/ *CATALASE, analysis/ CATALASE, metabolism/ ENZYME INHIBITORS, pharmacodynamics/ *HISTOCYTOCHEMISTRY, methods/ HYDROGEN PEROXIDE, pharmacodynamics/ *LIVER, enzymology/ *PEROXIDASES, analysis/ PEROXIDASES, metabolism/ RATS

3579. **Simantov R:** Basal and potassium stimulated, calcium dependent, endorphins release from pituitary cells. Life Sci 23(25):2503–8, 18 Dec 78
ANIMAL/ BACITRACIN, pharmacodynamics/ *CALCIUM, physiology/ CELL LINE/ *ENDORPHINS, metabolism/ EGTA, pharmacodynamics/ MICE/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, metabolism/ *POTASSIUM, pharmacodynamics

3580. **Simcock BW:** Pitfalls in contraception. Aust Fam Physician 7(10):1243–51, Oct 78
ADNEXITIS, etiology/ AMENORRHEA, chemically induced/ *CONTRACEPTION/ CONTRACEPTIVE DEVICES, FEMALE/ CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ INTRAUTERINE DEVICE EXPULSION/ INTRAUTERINE DEVICES, adverse effects/ PREGNANCY/ PRESCRIPTIONS, DRUG/ RHYTHM METHOD/ VAGINAL CREAMS, FOAMS AND JELLIES

3581. **Simesen MG, Hänichen T, Dämmrich K:** Hypervitaminosis D in sheep. An experimental study. Acta Vet Scand 19(4):588–600, 1978
ANIMAL/ BLOOD VESSELS, pathology/ CALCINOSIS, chemically induced/ CALCIUM, blood/ *CHOLECALCIFEROLS, toxicity/ COMPARATIVE STUDY/ FEMALE/ *HYDROXYCHOLECALCIFEROLS, toxicity/ MALE/ SHEEP

3582. **Simkhovich BZ:** Aktivnost' adeniltsiklazy v kletkakh astsitnoĭ kartsinomy Erlikha in vitro. Vopr Med Khim 24(6):768–74, Nov–Dec 78 **(Rus)**
*ADENYL CYCLASE, metabolism/ ANIMAL/ BUTYRATES, pharmacodynamics/ *CARCINOMA, EHRLICH TUMOR, enzymology/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DNA, NEOPLASM, biosynthesis/ EPINEPHRINE, pharmacodynamics/ IN VITRO/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ SODIUM FLUORIDE, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics

3583. **Simkins A, Crawley M:** Some chemical and bacterial contributions to analytical variation in urinary oestrogen quantitations during pregnancy. Med Lab Sci 35(4):325–34, Oct 78
BACTERIA, isolation & purification/ COMPARATIVE STUDY/ *ESTRIOL, urine/ FEMALE/ HUMAN/ *PREGNANCY/ PRESERVATION, BIOLOGICAL, methods/ TEMPERATURE/ THIMEROSAL, pharmacodynamics/ TIME FACTORS

3584. **Simmonds JP, Lister J:** Auto-immune Addison's disease in identical twins. Postgrad Med J 54(634):552–4, Aug 78
ADDISON'S DISEASE, familial & genetic/ *ADDISON'S DISEASE, immunology/ ADRENAL CORTEX, immunology/ ADULT/ *AUTOANTIBODIES/ AUTOANTIBODIES, analysis/ CASE REPORT/ *DISEASES IN TWINS/ HUMAN/ MALE/ TWINS, MONOZYGOTIC

3585. **Simmons GB, Snucker C, Misra BD, et al:** Patterns and causes of infant mortality in rural Uttar Pradesh. J Trop Pediatr 24(5):207–16, Oct 78
CHILD, PRESCHOOL/ FEMALE/ GASTROINTESTINAL DISEASES, mortality/ HUMAN/ INDIA/ *INFANT MORTALITY/

INFANT/ INFANT, NEWBORN/ MALE/ RICKETS, mortality/ *RURAL POPULATION/ TETANUS, mortality/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3586. **Simões AC, Bastos HD:** Influência dos hormônios adrenocorticais no metabolismo do magnésio. AMB 23(1):23–6, Jan 77 **(Por)**
*ADRENAL CORTEX HORMONES, metabolism/ ADRENAL GLANDS, secretion/ ADRENALECTOMY/ ANIMAL/ *MAGNESIUM, metabolism/ MICE

3587. **Simon B, Cyzgan P, Stiehl A, et al:** Human colonic adenylate cyclase: effects of bile acids. Eur J Clin Invest 8(5):321–3, Oct 78
*ADENYL CYCLASE, metabolism/ *BILE ACIDS AND SALTS, pharmacodynamics/ *COLON, drug effects/ COLON, enzymology/ COMPARATIVE STUDY/ DEOXYCHOLIC ACID, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ *INTESTINAL MUCOSA, drug effects/ INTESTINAL MUCOSA, enzymology/ MALE/ PROSTAGLANDINS E, pharmacodynamics/ SODIUM FLUORIDE, pharmacodynamics/ VASOACTIVE INTESTINAL PEPTIDE, pharmacodynamics

3588. **Simon B, Dittrich J, Kather H, et al:** Inhibition of human colonic adenylate cyclase by RMI 12330 A. Digestion 18(3–4):213–9, 1978
*ADENYL CYCLASE, metabolism/ ANIMAL/ *COLON, enzymology/ CYCLOPENTANES, administration & dosage/ *CYCLOPENTANES, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME REPRESSION/ HUMAN/ IMINES, administration & dosage/ *IMINES, pharmacodynamics/ INTESTINAL MUCOSA, enzymology/ INTESTINAL SECRETIONS, enzymology/ PROSTAGLANDINS E, antagonists & inhibitors/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS E, SYNTHETIC, antagonists & inhibitors/ PROSTAGLANDINS E, SYNTHETIC, pharmacodynamics/ RATS/ VASOACTIVE INTESTINAL PEPTIDE, antagonists & inhibitors/ VASOACTIVE INTESTINAL PEPTIDE, pharmacodynamics

3589. **Simon B, Kather H, Kommerell B:** Betazol—ein wirksamer Aktivator des an H2-Rezeptoren gekoppelten Adenylat-Cyclase-Systems aus menschlicher Magenschleimhaut. Med Welt 30(10):362–4, 9 Mar 79 **(Ger)**
*ADENYL CYCLASE, metabolism/ BETAZOLE, antagonists & inhibitors/ *BETAZOLE, pharmacodynamics/ CIMETIDINE, pharmacodynamics/ *ENZYME ACTIVATION/ GASTRIC MUCOSA, enzymology/ HUMAN/ *PYRAZOLES, pharmacodynamics/ RECEPTORS, HISTAMINE H2, metabolism

3590. **Simon B, Kather H, Kommerell B:** Prostacyclin: a potent activator of human colonic adenylate cyclase activity. Z Gastroenterol 16(12):748–51, Dec 78
*ADENYL CYCLASE, metabolism/ *COLON, enzymology/ ENZYME ACTIVATION, drug effects/ FEMALE/ HUMAN/ INTESTINAL MUCOSA, enzymology/ KETO ACIDS, pharmacodynamics/ MALE/ PROSTAGLANDINS F, pharmacodynamics/ *PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RECEPTORS, PROSTAGLANDIN, drug effects

3591. **Simon NG, Bridges RS, Gandelman R:** Correlation among foetal number, corpora lutea and plasma progesterone in Rockland-Swiss mice. Endokrinologie 72(2):247–9, May 78
ANIMAL/ *CORPUS LUTEUM, physiology/ FEMALE/ FETUS/ *LITTER SIZE/ *MICE, physiology/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROGESTERONE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3592. **Simon NM, Rosenberg MJ:** Medical treatment of glomerular diseases. Med Clin North Am 62(6):1157–81, Nov 78 (131 ref.)
ADULT/ AZATHIOPRINE, therapeutic use/ CHILD/ CHLORAMBUCIL, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ DIPYRIDAMOLE, therapeutic use/ GLOMERULONEPHRITIS, classification/ *GLOMERULONEPHRITIS, drug therapy/ GLOMERULONEPHRITIS, etiology/ GLOMERULONEPHRITIS, immunology/ GLOMERULOSCLEROSIS, FOCAL, drug therapy/ GOODPASTURE'S SYNDROME, drug therapy/ HUMAN/ IGA, metabolism/ *IMMUNE COMPLEX DISEASE, drug therapy/ INDOMETHACIN, therapeutic use/ KIDNEY GLOMERULUS, immunology/ PREDNISONE, therapeutic use/ REVIEW/ WARFARIN, therapeutic use

3593. **Simon W, Schaz K, Ganten U, et al:** Effects of enkephalins on arterial blood pressure are reduced by propranolol. Clin Sci Mol Med 55 Suppl 4:237s–241s, Dec 78
ANIMAL/ *BLOOD PRESSURE, drug effects/ *ENDORPHINS, pharmacodynamics/ ENKEPHALINS, administration & dosage/ ENKEPHALINS, antagonists & inhibitors/ *ENKEPHALINS, pharmacodynamics/ HEART RATE, drug effects/ INJECTIONS, INTRAVENOUS/ INJECTIONS, INTRAVENTRICULAR/ ISOPROTERENOL, pharmacodynamics/ MALE/ *PROPRANOLOL, pharmacodynamics/ RATS

3594. **Simonsson B, Nilsson K, Terenius L, et al:** Biochemical characteristics of chronic lymphocytic leukaemia. Glucocorticoid receptors, B and T lymphocyte surface markers, concanavalin A-induced agglutination and thymidine incorporation. Scand J Haematol 21(5):379–89, Nov 78
AGED/ *B-LYMPHOCYTES, immunology/ COMPLEMENT 3/ CONCANAVALIN A, pharmacodynamics/ DEXAMETHASONE, blood/ FEMALE/ HEMAGGLUTINATION, drug effects/ HUMAN/ IGA, analysis/ IGG, analysis/ IGM, analysis/ *IMMUNOGLOBULINS, SURFACE/ IMMUNOGLOBULINS, SURFACE, analysis/ LEUKEMIA, LYMPHOCYTIC, blood/ *LEUKEMIA, LYMPHOCYTIC, immunology/ MALE/ MIDDLE AGE/ *RECEPTORS, GLUCOCORTICOID/ *RECEPTORS, STEROID/ *T-LYMPHOCYTES, immunology

3595. **Simonsson B, Terenius L, Nilsson K:** Effects of prednisolone in 6 cases of glucocorticoid receptor-positive CLL. Scand J Haematol 21(5):390–5, Nov 78
COMPLEMENT/ HUMAN/ IMMUNOGLOBULINS, FC/ IMMUNOGLOBULINS, SURFACE, analysis/ LEUKEMIA, LYMPHOCYTIC, blood/ *LEUKEMIA, LYMPHOCYTIC, drug therapy/ LEUKEMIA, LYMPHOCYTIC, immunology/ *PREDNISOLONE, therapeutic use/ *RECEPTORS, GLUCOCORTICOID/ *RECEPTORS, STEROID

3596. **Simpson JL:** True hermaphroditism: etiology and phenotypic considerations. Birth Defects 14(6C):9–35, 1978 (188 ref.)
*CHROMOSOMES, HUMAN, ultrastructure/ FEMALE/ GENES, DOMINANT/ GENES, RECESSIVE/ HERMAPHRODITISM, etiology/ *HERMAPHRODITISM, familial & genetic/ HUMAN/ KARYOTYPING/ LYMPHOCYTES, ultrastructure/ MALE/ MOSAICISM/ PEDIGREE/ PHENOTYPE/ REVIEW/ SEX CHROMOSOME ABNORMALITIES, familial & genetic/ SEX CHROMOSOMES/ SEX REVERSAL, GONADAL

3597. **Sinadinovic J, Krainčanic M, Micic JV, et al:** Some disturbances related to iodination and utilisation of thyroglobulin and 27 S iodoprotein in non-toxic multinodular goitre. Endokrinologie 72(2):155–65, May 78
CASE REPORT/ CENTRIFUGATION, DENSITY GRADIENT/ ELECTROPHORESIS, DISC/ FEMALE/ GOITER, pathology/ *GOITER, NODULAR, metabolism/ HUMAN/ IODOPROTEINS, biosynthesis/ IODOPROTEINS, isolation & purification/ *IODOPROTEINS, metabolism/ MIDDLE AGE/ THYROGLOBULIN, isolation & purification/ *THYROGLOBULIN, metabolism

3598. **Sinclair JG, Tien AF:** Neuronal responses to ketamine administered microiontophoretically or intraperitoneally in the rat. Gen Pharmacol 10(1):51–5, 1979
AMYGDALOID BODY, drug effects/ ANIMAL/ *BRAIN, drug effects/ COMPARATIVE STUDY/ HIPPOCAMPUS, drug effects/ *KETAMINE, pharmacodynamics/ MALE/ *NEURAL TRANSMISSION, drug effects/ RATS/ THALAMUS, drug effects

3599. **Sindelar WF, Mason GR:** Intraperitoneal irrigation with povidone-iodine solution for the prevention of intra-abdominal abscesses in the bacterially contaminated abdomen. Surg Gynecol Obstet 148(3):409–11, Mar 79
ABSCESS, drug therapy/ *ABSCESS, prevention & control/ CLINICAL RESEARCH/ FEMALE/ HUMAN/ IODINE, blood/ IRRIGATION/ LAPAROTOMY/ MALE/ PERITONEAL CAVITY, microbiology/ PERITONEAL DISEASES, drug therapy/ *PERITONEAL DISEASES, prevention & control/ *POLYVINYLPYRROLIDONE, analogs & derivatives/ *POVIDONE-IODINE, therapeutic use/ PROSPECTIVE STUDIES/ RANDOM ALLOCATION

3600. **Sing EJ, Baccarini IM, O'Neill HJ, et al:** Effects of oral contraceptives on zinc and copper levels in human plasma and endometrium during the menstrual cycle. Arch Gynecol 226(4):303–6, 29 Dec 78
ADULT/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ COPPER, analysis/ *COPPER, blood/ ENDOMETRIUM, analysis/ *ENDOMETRIUM, drug effects/ ETHYNODIOL DIACETATE, pharmacodynamics/ FEMALE/ HUMAN/ MENSTRUATION/ MESTRANOL, pharmacodynamics/ NORETHYNODREL, pharmacodynamics/ ZINC, analysis/ *ZINC, blood

3601. **Singer FR, Mills BG, Terry R:** Bone resorbing cells in Paget's disease. pp. 365–74.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.
BONE AND BONES, pathology/ BONE AND BONES, physiopathology/ *BONE RESORPTION/ HUMAN/ MONOGRAPH/ OSTEITIS DEFORMANS, pathology/ *OSTEITIS DEFORMANS, physiopathology/ OSTEOCLASTS, ultrastructure/ OSTEOCYTES, ultrastructure/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3602. **Singer SS, Bruns L:** Enzymatic sulfation of steroids--VII. Hepatic cortisol sulfation and glucocorticoid sulfotransferases in old and young male rats. Exp Gerontol 13(6):425–9, 1978
*AGING/ ANIMAL/ COMPARATIVE STUDY/ CYTOSOL, enzymology/ DEHYDROEPIANDROSTERONE/ *GLUCOCORTICOIDS, metabolism/ *HYDROCORTISONE, metabolism/ IN VITRO/ *LIVER, enzymology/ MALE/ RATS/ SUBSTRATE SPECIFICITY/ *SULFURTRANSFERASES, metabolism

3603. **Singer SS, Gebhart J, Hess E:** Enzymatic sulfation of steroids. V. Partial purification and some properties of sulfotransferase III, the major glucocorticoid sulfotransferase of liver cytosols from male rats. Can J Biochem 56(11):1028–35, Nov 78
ANIMAL/ CATIONS, DIVALENT/ CYTOSOL, enzymology/ GLUCOCORTICOIDS/ KINETICS/ *LIVER, enzymology/ MALE/ MOLECULAR WEIGHT/ RATS/ STEROIDS, pharmacodynamics/ SULFURTRANSFERASES, isolation & purification/ *SULFURTRANSFERASES, metabolism

3604. **Singh GC, Ahuja RC, Hasan M, et al:** Evaluation of betamethasone therapy in acute myocardial infarction--its effects on infarct extension detected by serial precordial surface mapping of ST segment. J Assoc Physicians India 26(4):269–76, Apr 78
ADULT/ AGED/ *BETAMETHASONE, therapeutic use/ EVALUATION STUDIES/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *MYOCARDIAL INFARCTION, drug therapy

3605. **Singh M, Jayakumar A, Prasad R:** The effect of altered lipid composition on the transport of various amino acids in Candida albicans. Arch Biochem Biophys 191(2):680–6, Dec 78
ALKANES, metabolism/ *AMINO ACIDS, metabolism/ BIOLOGICAL TRANSPORT/ *CANDIDA ALBICANS, metabolism/ ERGOSTEROL, metabolism/ GLYCERIDES, metabolism/ KINETICS/ *LIPIDS, physiology/ OXYGEN CONSUMPTION/ PHOSPHOLIPIDS, analysis/ STRUCTURE-ACTIVITY RELATIONSHIP

3606. **Singh RP, Yamour AL, Patel JA, et al:** Calcified adrenal cysts. W Va Med J 75(1):4–7, Jan 79
*ADRENAL GLAND DISEASES, radiography/ ADRENAL GLAND DISEASES, surgery/ *CALCINOSIS, radiography/ CALCINOSIS, surgery/ CARCINOMA, EPIDERMOID, radiography/ CARCINOMA, EPIDERMOID, surgery/ CASE REPORT/ *CYSTS, radiography/ CYSTS, surgery/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYDRONEPHROSIS, radiography/ HYDRONEPHROSIS, surgery/ LUNG NEOPLASMS, radiography/ LUNG NEOPLASMS, surgery/ MIDDLE AGE/ NEPHRECTOMY/ PNEUMONECTOMY

3607. **Singh S, Mirkin BL:** Placental transfer and tissue localization of digoxin in the pregnant rat. Toxicol Appl Pharmacol 46(2):395–403, Nov 78
ANIMAL/ DIGOXIN, blood/ *DIGOXIN, metabolism/ FEMALE/ MATERNAL-FETAL EXCHANGE/ PLACENTA, metabolism/ PREGNANCY/ RATS/ TISSUE DISTRIBUTION/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3608. **Sinks LF, Sumer T:** Advances in childhood solid tumors. Adv Pediatr 25:415–50, 1978 (127 ref.)
ADOLESCENCE/ BRAIN NEOPLASMS, therapy/ CHILD/ CHILD, PRESCHOOL/ EYE NEOPLASMS, therapy/ FEMALE/ HEPATOMA, therapy/ HUMAN/ INFANT/ KIDNEY NEOPLASMS, therapy/ LIVER NEOPLASMS, therapy/ MALE/ MEDULLOBLASTOMA, therapy/ NEOPLASMS, diagnosis/ NEOPLASMS, pathology/ *NEOPLASMS, therapy/ NEPHROBLASTOMA, therapy/ NEUROBLASTOMA, therapy/ OVARIAN NEOPLASMS, therapy/ RETINOBLASTOMA, therapy/ REVIEW/ RHABDOMYOSARCOMA, therapy/ SARCOMA, EWING'S, therapy/ SARCOMA, OSTEOGENIC, therapy/ SOFT TISSUE NEOPLASMS, therapy/ TESTICULAR NEOPLASMS, therapy

3609. **Sinzinger H, Silberbaver K, Seyfried H:** Rectal mucosa prostacyclin formation in ulcerative colitis [letter] Lancet 1(8113):444, 24 Feb 79
ADULT/ *COLITIS, ULCERATIVE, metabolism/ FEMALE/ HUMAN/ *INTESTINAL MUCOSA, metabolism/ MALE/ *PROSTAGLANDINS X, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ RECTUM, metabolism

3610. **Sipponen J, Ahonen J, Alanko A, et al:** Surgical treatment of primary aldosteronism. Ann Chir Gynaecol 67(5):174–9, 1978
ADENOMA, pathology/ ADENOMA, radiography/ *ADENOMA, surgery/ ADRENAL GLAND NEOPLASMS, pathology/ ADRENAL GLAND NEOPLASMS, radiography/ *ADRENAL GLAND NEOPLASMS, surgery/ ADRENAL GLANDS, pathology/ ADRENAL GLANDS, radiography/ ADRENALECTOMY/ ADULT/ ANGIOGRAPHY/ CATHETERIZATION/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, diagnosis/ *HYPERALDOSTERONISM, surgery/ HYPERPLASIA/ MALE/ MIDDLE AGE/ PHLEBOGRAPHY

3611. **Sirack‌ý J, Schreiner P, Siracká E, et al:** Cell proliferation kinetics and nuclear morphology in endometrial cancer under progesteron treatment. Neoplasma 25(5):535–9, 1978
CELL DIFFERENTIATION/ CELL DIVISION/ CELL NUCLEUS, pathology/ FEMALE/ HUMAN/ KINETICS/ NEOPLASMS, HORMONE-DEPENDENT, drug therapy/ *NEOPLASMS, HORMONE-DEPENDENT, pathology/ NEOPLASMS, HORMONE-DEPENDENT, secretion/ *PROGESTERONE, therapeutic use/ UTERINE NEOPLASMS, drug therapy/ *UTERINE NEOPLASMS, pathology/ UTERINE NEOPLASMS, secretion

3612. **Sirett DA, Grant JK:** Receptor properties of progestogen-binding sites in cytosol from benign hyperplastic prostatic tissue [proceedings] J Endocrinol 79(2):53P–54P, Nov 78
CYTOSOL, metabolism/ HUMAN/ MALE/ PROSTATE, metabolism/ *PROSTATIC HYPERTROPHY, metabolism/ *RECEPTORS, PROGESTERONE, metabolism

3613. **Sirot J, Lopitaux R, Cluzel R, et al:** Pouvoir bactéricide des associations d'antibiotiques. Application au traitement des infections ostéo-articulaires à Staphylococcus aureus. Nouv Presse Med 7(36):3217–22, 21 Oct 78 (Eng. Abstr.) **(Fre)**

ADOLESCENCE/ ADULT/ AGED/ ANTIBIOTICS, analysis/ ANTIBIOTICS, pharmacodynamics/ *ANTIBIOTICS, therapeutic use/ BONE AND BONES, analysis/ DRUG RESISTANCE, MICROBIAL/ DRUG SYNERGISM/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *OSTEOARTHRITIS, drug therapy/ OSTEOARTHRITIS, microbiology/ *STAPHYLOCOCCAL INFECTIONS, drug therapy/ STAPHYLOCOCCUS AUREUS, drug effects/ STAPHYLOCOCCUS AUREUS, isolation & purification

3614. **Sistek J:** Valeur de l'anamnèse, du statut local et des examens de laboratoire dans le dépistage de l'accouchement preématuré idiopathique. Gynaekol Rundsch 18 Suppl 1:86–91, 1978 **(Fre)**
FEMALE/ HUMAN/ *LABOR, PREMATURE, diagnosis/ LABOR, PREMATURE, etiology/ LABOR, PREMATURE, familial & genetic/ LIFE STYLE/ MATERNAL AGE/ MEDICAL HISTORY TAKING/ OVARY, blood supply/ PREGNANCY/ REGIONAL BLOOD FLOW/ UTERUS, blood supply

3615. **Sivak A:** Cocarcinogenesis. Biochim Biophys Acta 560(1):67–89, 4 Feb 79 (182 ref.)
ACETYLAMINOFLUORENE/ ANIMAL/ BLADDER NEOPLASMS, chemically induced/ CARCINOGENS/ CELL TRANSFORMATION, VIRAL/ *COCARCINOGENESIS/ DIET/ GASTROINTESTINAL NEOPLASMS, chemically induced/ HORMONES/ HUMAN/ LEUKOVIRUSES/ LIVER NEOPLASMS, chemically induced/ LUNG NEOPLASMS, chemically induced/ MEMBRANES, drug effects/ METHYLCHOLANTHRENE/ MODELS, BIOLOGICAL/ NEOPLASMS, immunology/ NUTRITION/ ONCOGENIC VIRUSES/ PROPIONIBACTERIUM ACNES, immunology/ PROTEINS, biosynthesis/ REVIEW/ SKIN NEOPLASMS, chemically induced/ TETRADECANOYLPHORBOL ACETATE/ VITAMIN A

3616. **Sivakoff M, Pure E, Hsueh W, et al:** Prostaglandins and the heart. Fed Proc 38(1):78–82, Jan 79
ANIMAL/ BLOOD PLATELETS, metabolism/ CORONARY CIRCULATION, drug effects/ CORONARY DISEASE, metabolism/ ENDOTHELIUM, injuries/ ENDOTHELIUM, metabolism/ MYOCARDIAL INFARCTION, prevention & control/ *MYOCARDIUM, metabolism/ PHOSPHOLIPASE, metabolism/ PROSTAGLANDIN SYNTHASE, metabolism/ PROSTAGLANDINS H, metabolism/ PROSTAGLANDINS X, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, pharmacodynamics/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASODILATION

3617. **Sivarajah K, Anderson MW, Eling TE:** Metabolism of benzo(a)pyrene to reactive intermediate(s) via prostaglandin biosynthesis. Life Sci 23(26):2571–8, 25 Dec 78
ANIMAL/ ARACHIDONIC ACIDS, metabolism/ *BENZOPYRENES, metabolism/ DNA, metabolism/ GUINEA PIGS/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ LUNG, metabolism/ MALE/ MICROSOMES, metabolism/ PROSTAGLANDIN SYNTHASE, metabolism/ *PROSTAGLANDINS, biosynthesis/ PROTEINS, metabolism/ SEMINAL VESICLES, metabolism/ SHEEP/ TIME FACTORS

3618. **Skakkebaek NE:** Carcinoma-in-situ of testis in testicular feminization syndrome. Acta Pathol Microbiol Scand [A] 87(1):87–9, Jan 79
ADOLESCENCE/ *CARCINOMA IN SITU, etiology/ CARCINOMA IN SITU, pathology/ CASE REPORT/ HUMAN/ MALE/ SEMINIFEROUS TUBULES, pathology/ *TESTICULAR FEMINIZATION, complications/ TESTICULAR FEMINIZATION, pathology/ *TESTICULAR NEOPLASMS, etiology/ TESTICULAR NEOPLASMS, pathology/ TESTIS, pathology

3619. **Skala JP, Knight BL:** Protein kinases in brown adipose tissue of developing rats: substrate specificities, separation, and changes in activity during development. Can J Biochem 56(9):869–74, Sep 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ AGING/ ANIMAL/ ANIMALS, NEWBORN/ *BROWN FAT, enzymology/ BROWN FAT, growth & development/ HISTONE KINASE, metabolism/ KINETICS/ PROTEIN KINASE, isolation & purification/ *PROTEIN KINASE, metabolism/ RATS/ SUBSTRATE SPECIFICITY

3620. **Skala JP, Knight BL:** Cyclic GMP and cyclic GMP-dependent protein kinase in brown adipose tissue of developing rats. Biochim Biophys Acta 582(1):122–31, 4 Jan 79
ADAPTATION, PHYSIOLOGICAL/ ADIPOSE TISSUE, drug effects/ AGE FACTORS/ ANIMAL/ *BROWN FAT, metabolism/ COLD/ FEMALE/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ MALE/ NOREPINEPHRINE, pharmacodynamics/ PREGNANCY/ *PROTEIN KINASE, metabolism/ RATS/ RECEPTORS, ADRENERGIC, drug effects/ SYMPATHETIC NERVOUS SYSTEM, physiology

3621. **Skerritt GC:** Treatment of feline misalliance [letter] Vet Rec 103(24):543, 9 Dec 78
ANIMAL/ *CATS, physiology/ FEMALE/ MEGESTROL, pharmacodynamics/ OVULATION, drug effects/ PREGNANCY

3622. **Skoliarova NA:** Endokrinnye sindromy pri shizofrenii v svete patologoanatomicheskikh issledovanii. Zh Nevropatol Psikhiatr 79(1):86–91, 1979 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ AGED/ *ENDOCRINE DISEASES, complications/ ENDOCRINE GLANDS, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOTHALAMUS, pathology/ MALE/ MIDDLE AGE/ *SCHIZOPHRENIA, complications/ SCHIZOPHRENIA, pathology/ STRESS, complications/ SYNDROME

3623. **Skripnichenko DF, Krivitskiĭ DI:** Khirurgicheskoe lechenie bol'nykh toksicheskim retsidivnym zobom. Klin Khir (12):32–4, Dec 78 (Eng. Abstr.) **(Rus)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, EXOPHTHALMIC, surgery/ HUMAN/ MALE/ MIDDLE AGE/ RECURRENCE

3624. **Skřivan J, Hausner J, Jakoubková J, et al:** Léčení nemocí trofoblastu v CSSR. Cesk Gynekol 43(10):738–44, Nov 78 (Eng. Abstr.) **(Cze)**
CHORIOCARCINOMA, drug therapy/ *CHORIOCARCINOMA, therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDATIDIFORM MOLE, drug therapy/ *HYDATIDIFORM MOLE, therapy/ HYSTERECTOMY/ PREGNANCY/ UTERINE NEOPLASMS, drug therapy/ *UTERINE NEOPLASMS, therapy

3625. **Slama-Scemama A, L'Héritier A:** Seasonal diurnal variations in LH release in immature female rats and the effect of pinealectomy. J Neural Transm 43(2):161–6, 1978
*AGING/ ANIMAL/ ANIMALS, NEWBORN/ *CIRCADIAN RHYTHM/ *DIURNAL RHYTHM/ *LH, blood/ MALE/ *PINEAL BODY, physiology/ RATS/ *SEASONS

3626. **Slater EE, Cohn RC, Dzau VJ, et al:** Purification of human renal renin. Clin Sci Mol Med 55 Suppl 4:117s–119s, Dec 78
CHROMATOGRAPHY, AFFINITY, methods/ HUMAN/ *KIDNEY, enzymology/ MOLECULAR WEIGHT/ *RENIN, isolation & purification/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3627. **Slater IH, Rathbun RC, Kattau R:** Role of 5-hydroxytryptaminergic and adrenergic mechanism in antagonism of reserpine-induced hypothermia in mice. J Pharm Pharmacol 31(2):108–10, Feb 79
ANIMAL/ ANTIDEPRESSIVE AGENTS, pharmacodynamics/ *BLOOD PRESSURE, drug effects/ BODY TEMPERATURE, drug effects/ MICE/ *RESERPINE, antagonists & inhibitors/ *SEROTONIN, physiology/ *SYMPATHETIC NERVOUS SYSTEM, physiology/ TIME FACTORS

3628. **Slavnov VN, Valueva GV, Markov VV, et al:** Primenenie nekotorykh farmakologicheskikh preparatov s tsel'iu. Med Radiol (Mosk) 24(1):37–41, Jan 79 (Eng. Abstr.) **(Rus)**
*ADRENAL GLANDS, radionuclide imaging/ ANIMAL/ *CHOLESTEROL, analogs & derivatives/ *CORTICOTROPIN, diagnostic use/ ENGLISH

ABSTRACT/ IODINE RADIOISOTOPES/ MALE/ *POTASSIUM IODIDE, diagnostic use/ *RADIOGRAPHIC IMAGE ENHANCEMENT, methods/ RATS/ SUSPENSIONS/ TIME FACTORS/ TISSUE DISTRIBUTION, drug effects/ ZINC, diagnostic use/ *19-IODOCHOLESTEROL, diagnostic use

3629. **Slavnov VN, Lučickij EV, Markov VV:** Nuklearmedizinische und radioimmunologische Untersuchungen der Nebennierenrindenfunktion. Radiol Diagn (Berl) 19(4):522–8, Aug 78 (Eng. Abstr.) **(Ger)**
ADOLESCENCE/ ADULT/ *ALDOSTERONE, blood/ *CUSHING'S SYNDROME, blood/ CUSHING'S SYNDROME, drug therapy/ DIURNAL RHYTHM, drug effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ MALE/ MIDDLE AGE/ MITOTANE, therapeutic use/ RADIOIMMUNOASSAY/ RADIOISOTOPES, diagnostic use

3630. **Slonim AE, Terry A, Greene HL, et al:** Amino acid and hormonal response to long-term nocturnal nasogastric feeding therapy of glycogen storage disease type I (GSD-I). Monogr Hum Genet 9:37–41, 1978
ADOLESCENCE/ *AMINO ACIDS, metabolism/ BLOOD SUGAR/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ *GLUCAGON, metabolism/ GLUCOSE TOLERANCE TEST/ *GLUCOSE, therapeutic use/ *GLUCOSEPHOSPHATASE DEFICIENCY, metabolism/ GLUCOSEPHOSPHATASE DEFICIENCY, therapy/ HUMAN/ *INSULIN, metabolism/ MALE/ *SOMATOTROPIN, metabolism/ TIME FACTORS/ *TUBE FEEDING

3631. **Smallridge RC, Rajfer S, Davia J, et al:** Acromegaly and the heart. An echocardiographic study. Am J Med 66(1):22–7, Jan 79
*ACROMEGALY, complications/ ADULT/ *ECHOCARDIOGRAPHY/ FEMALE/ HEART ENLARGEMENT, complications/ *HEART ENLARGEMENT, diagnosis/ HUMAN/ HYPERTENSION, complications/ MALE/ MIDDLE AGE

3632. **Smejkalová J, Simek J, Sobotka L, et al:** Vliv diet o ruzném obsahu bílkovin a superanabolonu na citlivost jater vuči CCL4. Cesk Gastroenterol Vyz 32(8):527, Dec 78 **(Cze)**
ANIMAL/ *CARBON TETRACHLORIDE, toxicity/ *DIET/ DIETARY PROTEINS, administration & dosage/ *LIVER, drug effects/ *NANDROLONE, pharmacodynamics/ RATS

3633. **Smeulers J, Visser TJ, Burger AK, et al:** Verminderde trijodothyronine (T3) bij onveranderde reverse T3-produktie opoudere leeftijd. Ned Tijdschr Geneeskd 123(1):12–5, 6 Jan 79 (Eng. Abstr.) **(Dut)**
ADOLESCENCE/ ADULT/ AGED/ *AGING/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, biosynthesis/ *TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, REVERSE, biosynthesis/ *TRIIODOTHYRONINE, REVERSE, blood

3634. **Smirnova NP:** Usilenie izmeneiĭ bioélektricheskoĭ aktivnosti mozga v postoiannom magnitnom pole pod vliianiem korazola. Biull Eksp Biol Med 87(1):21–4, Jan 79 (Eng. Abstr.) **(Rus)**
ANIMAL/ BRAIN, drug effects/ *BRAIN, physiology/ CEREBELLAR CORTEX, drug effects/ CEREBELLAR CORTEX, physiology/ CEREBRAL CORTEX, drug effects/ CEREBRAL CORTEX, physiology/ ENGLISH ABSTRACT/ EVOKED POTENTIALS, drug effects/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ MAGNETICS/ *PENTYLENETETRAZOLE, pharmacodynamics/ RATS

3635. **Smirnova OV, Smirnov AN, Shoshina SV, et al:** Nekotorye svoĭstva seksteroidsviazybaiushchego belka syvorotki krovi shportsevoĭ liagushki i vyiavlenie v tsitozole pecheni etikh zhivotnykh estradiolviazyvaiushchego komponenta, otlichaiushchegosia ot seksstorondsviazyvaiushchego belka. Biokhimiia 43(8):1444–51, Aug 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ BINDING SITES/ *CARRIER PROTEINS, metabolism/ CYTOSOL, metabolism/ ENGLISH ABSTRACT/ *ESTRADIOL, metabolism/ FEMALE/ *LIVER, metabolism/ MACROMOLECULAR SYSTEMS/ MALE/ MOLECULAR WEIGHT/ RECEPTORS, ESTROGEN, metabolism/ *RECEPTORS, HORMONE, metabolism/ SEX FACTORS/ *SEX HORMONE BINDING GLOBULIN, metabolism

3636. **Smith BH:** Changing concepts of neuroglial function. Neurosurgery 2(2):175–80, Mar–Apr 78 (76 ref.)
ANIMAL/ CELLS, CULTURED/ HUMAN/ IN VITRO/ MITOSIS/ NERVE GROWTH FACTOR/ NEUROGLIA, cytology/ *NEUROGLIA, physiology/ NEUROHUMORS/ NEURONS, cytology/ *NEURONS, physiology/ REVIEW

3637. **Smith DC, Hirst AE:** Spontaneous aortic rupture associated with chronic steroid therapy for rheumatoid arthritis in two cases. AJR 132(2):271–3, Feb 79
AGED/ AORTA, THORACIC/ *AORTIC RUPTURE, chemically induced/ AORTIC RUPTURE, radiography/ *ARTHRITIS, RHEUMATOID, drug therapy/ CASE REPORT/ FEMALE/ HUMAN/ MIDDLE AGE/ *PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ RUPTURE, SPONTANEOUS

3638. **Smith DS, Aukburg SJ, Levitt JD:** Induction of anesthesia in a patient with an undiagnosed pheochromocytoma. Anesthesiology 49(5):368–9, Nov 78
*ADRENAL GLAND NEOPLASMS, physiopathology/ *ANESTHESIA/ CASE REPORT/ DROPERIDOL/ HUMAN/ MALE/ METHYLTYROSINES/ MIDDLE AGE/ *PHEOCHROMOCYTOMA, physiopathology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3639. **Smith DW:** Male genital defects in patterns of malformation. Birth Defects 14(6C):57–61, 1978
DOWN'S SYNDROME, familial & genetic/ *GENITALIA, MALE, abnormalities/ HUMAN/ KLINEFELTER'S SYNDROME, familial & genetic/ MALE/ SYNDROME/ TESTOSTERONE, therapeutic use

3640. **Smith JF:** Intermittent ophthalmoplegia [letter] Br Med J 1(6156):124–5, 13 Jan 79
HUMAN/ HYPOTHYROIDISM, complications/ OPHTHALMOPLEGIA, etiology/ *OPHTHALMOPLEGIA, metabolism/ THYROXINE, metabolism

3641. **Smith JM, Stenseth NC:** On the evolutionary stability of the female-biased sex ratio in the wood lemming (Myopus schisticolor): the effect of inbreeding. Heredity (Lond) 41(2):205–14, Oct 78
ANIMAL/ *EVOLUTION/ FEMALE/ INBREEDING/ MALE/ PHENOTYPE/ *RODENTS, genetics/ SEX CHROMOSOMES/ *SEX RATIO

3642. **Smith ML, Browning RA, Myers JH:** In vivo rate of serotonin synthesis in brain and spinal cord of young, spontaneously hypertensive rats. Eur J Pharmacol 53(3):301–5, 15 Jan 79
ANIMAL/ BLOOD PRESSURE/ BODY WEIGHT/ *BRAIN, metabolism/ COMPARATIVE STUDY/ FEMALE/ *HYPERTENSION, metabolism/ HYPERTENSION, physiopathology/ HYPOTHALAMUS, metabolism/ MALE/ MEDULLA OBLONGATA, metabolism/ PONS, metabolism/ RATS/ *SEROTONIN, biosynthesis/ *SPINAL CORD, metabolism

3643. **Smith N:** Acute stomatitis medicamentosa. Two case reports. Aust Dent J 23(4):305–7, Aug 78
ACUTE DISEASE/ ADULT/ *CARBIMAZOLE, adverse effects/ CASE REPORT/ *CHLORTHALIDONE, adverse effects/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MIDDLE AGE/ *STOMATITIS, chemically induced/ STOMATITIS, pathology

3644. **Smith RE, Van Eldik LJ:** Characterization of the immunosuppression accompanying virus-induced avian osteopetrosis. Infect Immun 22(2):452–61, Nov 78
ANIMAL/ *AVIAN LEUKOSIS, immunology/ AVIAN LEUKOSIS, pathology/ CHICK EMBRYO/ CHICKENS/ ERYTHROCYTES, immunology/ *IMMUNITY/ IMMUNOGLOBULINS, SURFACE/ IMMUNOSUPPRESSION/ LEUKOCYTES, immunology/ LYMPHOID TISSUE, pathology/ *OSTEOPETROSIS, immunology/ OSTEOPETROSIS, pathology/ PHYTOHEMAGGLUTININS, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED

STATES GOV'T SUPPORTED, P.H.S.

3645. **Smith SD, Rosen D, Trueworthy RC, et al:** A reliable method for evaluating drug compliance in children with cancer. Cancer 43(1):169–73, Jan 79
ADOLESCENCE/ BODY WEIGHT, drug effects/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HEMOGLOBINS, analysis/ HUMAN/ INFANT/ LEUKEMIA, analysis/ *LEUKEMIA, drug therapy/ LEUKEMIA, pathology/ MALE/ *PATIENT COMPLIANCE/ PREDNISONE, adverse effects/ *PREDNISONE, therapeutic use/ PROGNOSIS/ 17-KETOSTEROIDS, urine

3646. **Smith T:** The surgical treatment of endometriosis. Clin Obstet Gynaecol 5(3):557–70, Dec 78
CASTRATION/ *ENDOMETRIOSIS, surgery/ FEMALE/ GENITAL NEOPLASMS, FEMALE, surgery/ HUMAN/ HYSTERECTOMY/ OVARIAN NEOPLASMS, surgery/ *PELVIC NEOPLASMS, surgery/ RECTAL NEOPLASMS, surgery/ RECTUM, surgery/ SIGMOID NEOPLASMS, surgery/ SIGMOID, surgery/ URETER, surgery/ URETERAL NEOPLASMS, surgery/ VAGINA, surgery/ VAGINAL NEOPLASMS, surgery

3647. **Smyth DG, Snell CR, Massey DE:** Isolation of the C-fragment and C'-fragment of lipotropin from pig pituitary and C-fragment from brain. Biochem J 175(1):261–70, 1 Oct 78
AMINO ACIDS, analysis/ ANIMAL/ *BRAIN CHEMISTRY/ CHROMATOGRAPHY, GEL/ CHROMATOGRAPHY, ION EXCHANGE/ *ENDORPHINS, isolation & purification/ *LIPOTROPIN, analysis/ PEPTIDE FRAGMENTS, isolation & purification/ *PITUITARY GLAND, analysis/ SWINE

3648. **Snelgar R, Vogt M:** The effect of morphine on the turnover of 5-hydroxytryptamine in discrete parts of the rat brain [proceedings] J Physiol (Lond) 284:128P, Nov 78
ANIMAL/ BRAIN, drug effects/ *BRAIN, metabolism/ *MORPHINE, pharmacodynamics/ RATS/ *SEROTONIN, metabolism

3649. **Snoeijing R, Hardonk MJ:** A combined biochemical and histochemical study on steroid metabolism in mouse ovary and ovarian tumours. Acta Histochem [Suppl] (Jena) 14:119–28, 1975
ANIMAL/ CORPUS LUTEUM, metabolism/ *ESTROGENS, biosynthesis/ FEMALE/ HISTOCYTOCHEMISTRY/ MICE/ NEOPLASMS, EXPERIMENTAL, metabolism/ *NEOPLASMS, RADIATION-INDUCED, metabolism/ *OVARIAN NEOPLASMS, metabolism/ *OVARY, metabolism/ OXIDOREDUCTASES, metabolism/ *PROGESTERONE, biosynthesis/ SUBCELLULAR FRACTIONS/ TESTOSTERONE, biosynthesis/ 17-HYDROXYSTEROID DEHYDROGENASES, metabolism/ 20-HYDROXYSTEROID DEHYDROGENASES, metabolism/ 3-HYDROXYSTEROID DEHYDROGENASES, metabolism

3650. **Snyder PJ:** Endocrine evaluation of the infertile male. Urol Clin North Am 5(3):451–62, Oct 78
ADENOMA, complications/ BRAIN DISEASES, complications/ FSH, secretion/ *HORMONES, analysis/ HUMAN/ HYPOGONADISM, complications/ HYPOGONADISM, familial & genetic/ HYPOTHALAMUS/ KLINEFELTER'S SYNDROME, familial & genetic/ LH, secretion/ MALE/ PITUITARY NEOPLASMS, complications/ SPERMATOGENESIS/ *STERILITY, MALE, diagnosis/ STERILITY, MALE, etiology/ STERILITY, MALE, physiopathology/ TESTOSTERONE, secretion/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3651. **Snyder SH:** Receptors, neurotransmitters and drug responses. N Engl J Med 300(9):465–72, 1 Mar 79 (61 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ BEHAVIOR, drug effects/ BEHAVIOR, physiology/ BRAIN CHEMISTRY/ DRUG DEPENDENCE, metabolism/ DRUG WITHDRAWAL SYMPTOMS, metabolism/ DYSKINESIA, DRUG-INDUCED, etiology/ ENKEPHALINS, metabolism/ HUMAN/ HYPERTHYROIDISM, metabolism/ MODELS, BIOLOGICAL/ MUSCLE DENERVATION/ *NEUROHUMORS, physiology/ NEURONS, physiology/ NOREPINEPHRINE, analysis/ PINEAL BODY, physiology/ PROPRANOLOL/ RECEPTORS, ADRENERGIC, analysis/ RECEPTORS, ADRENERGIC, drug effects/ RECEPTORS, DOPAMINE, drug effects/ *RECEPTORS, DRUG/ RECEPTORS, DRUG, drug effects/ *RECEPTORS, HORMONE/ RECEPTORS, HORMONE, drug effects/ RECEPTORS, NARCOTIC, analysis/ RECEPTORS, NICOTINIC, physiology/ REVIEW/ TRANQUILIZING AGENTS, MAJOR, adverse effects

3652. **So CS:** Herzrhythmusstörungen Diagnose und Therapie WPW (Wolff-Parkinson-White)-Syndrom (VI). Med Klin 74(7):preceding 229, 16 Feb 79 **(Ger)**
ELECTROCARDIOGRAPHY/ HUMAN/ HYPERTHYROIDISM, complications/ MALE/ MIDDLE AGE/ WOLFF-PARKINSON-WHITE SYNDROME, etiology/ *WOLFF-PARKINSON-WHITE SYNDROME, pathology

3653. **Sobczak Z:** Vasopressin release from incubated in situ posterior pituitary lobe after intraventricular injection of carbachol or atropine. Endokrinologie 72(2):205–13, May 78
ANIMAL/ *ATROPINE, pharmacodynamics/ *CARBACHOL, pharmacodynamics/ INJECTIONS, INTRAVENTRICULAR/ MALE/ PITUITARY GLAND, POSTERIOR, drug effects/ *PITUITARY GLAND, POSTERIOR, secretion/ RATS/ *VASOPRESSINS, secretion

3654. **Sobhon P, Mitranond V, Tosukhowong P, et al:** Cytological changes in the testes of vitamin-A-deficient rats. II. Ultrastructural study of the seminiferous tubules. Acta Anat (Basel) 103(2):169–83, 1979
ANIMAL/ BODY WEIGHT/ CELL NUMBER/ CHROMATIN, ultrastructure/ CYTOPLASMIC GRANULES, ultrastructure/ MALE/ MITOCHONDRIA, ultrastructure/ NECROSIS/ RATS/ *SEMINIFEROUS TUBULES, ultrastructure/ SERTOLI CELLS, ultrastructure/ SPERMATIDS, ultrastructure/ SPERMATOCYTES, ultrastructure/ SPERMATOGENESIS/ SPERMATOGONIA, ultrastructure/ SPERMATOZOA, ultrastructure/ *TESTIS, ultrastructure/ TIME FACTORS/ *VITAMIN A DEFICIENCY, pathology

3655. **Södersten P, Berge OG, Hole K:** Effects of p-chloroamphetamine and 5,7-dihydroxytryptamine on the sexual behavior of gonadectomized male and female rats. Pharmacol Biochem Behav 9(4):499–508, Oct 78
*P-CHLOROAMPHETAMINE, pharmacodynamics/ *AMPHETAMINES, pharmacodynamics/ ANDROGENS, pharmacodynamics/ ANIMAL/ CASTRATION/ *DIHYDROXYTRYPTAMINES, pharmacodynamics/ ESTROGENS, pharmacodynamics/ FEMALE/ MALE/ ORGAN WEIGHT, drug effects/ RATS/ *SEX BEHAVIOR, ANIMAL, drug effects/ TESTOSTERONE, pharmacodynamics/ TIME FACTORS/ *5,7-DIHYDROXYTRYPTAMINE, pharmacodynamics

3656. **Sofroniew MV:** Immunoreactive beta-endorphin and ACTH in the same neurons of the hypothalamic arcuate nucleus in the rat. Am J Anat 154(2):283–9, Feb 79
ANIMAL/ COLCHICINE, pharmacodynamics/ *CORTICOTROPIN, analysis/ *ENDORPHINS, analysis/ HISTOCYTOCHEMISTRY/ *HYPOTHALAMUS, metabolism/ IMMUNOENZYME TECHNICS/ NEURAL PATHWAYS/ NEURONS, metabolism/ PITUITARY GLAND, ANTERIOR, metabolism/ RATS

3657. **Softic N, Jeren T, Pfeifer S, et al:** Transformacije izdvojenih limfocita cirkulirajuće krvi bolesnika s infekcioznom mononukleozom u prisutnosti fitohemaglutinina (PHA), Pockeweed mitogena (PWM) i humanog hormona rasta (STHh, HGH). Acta Med Iugosl 32(5):441–62, 1978 (Eng. Abstr.) **(Scr)**
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFECTIOUS MONONUCLEOSIS, immunology/ *LYMPHOCYTE TRANSFORMATION, drug effects/ MALE/ *PHYTOHEMAGGLUTININS, pharmacodynamics/ *POKEWEED MITOGENS, pharmacodynamics/ *SOMATOTROPIN, pharmacodynamics

3658. **Sokabe H, Pang PK, Gorbman A:** Some frontiers in comparative studies of the renin-angiotensin system. Jpn Heart J 19(5):783–90, Sep 78

AMINO ACID SEQUENCE/ ANGIOTENSINS, analysis/ *ANGIOTENSINS, physiology/ ANIMAL/ BLOOD PRESSURE/ COMPARATIVE STUDY/ EVOLUTION/ JUXTAGLOMERULAR APPARATUS, cytology/ RENIN, analysis/ *RENIN, physiology/ VERTEBRATES, physiology

3659. **Solc J, Kopecký A:** Hypofýza a řízení denního rytmu sekrece aldosteronu. Cesk Pediatr 33(10):580–1, Oct 78 (Eng. Abstr.) **(Cze)**

*ALDOSTERONE, secretion/ ALDOSTERONE, urine/ CHILD/ *CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ HUMAN/ *PITUITARY GLAND, physiology

3660. **Solem JH, Segaard E, Ytteborg J:** The course of endocrine ophthalmopathy during antithyroid therapy in a prospective study. Acta Med Scand 205(1–2):111–4, 1979

ADOLESCENCE/ ADULT/ AGED/ CARBIMAZOLE, administration & dosage/ CARBIMAZOLE, therapeutic use/ CLINICAL RESEARCH/ DRUG EVALUATION/ FEMALE/ *GOITER, EXOPHTHALMIC, drug therapy/ HUMAN/ MALE/ MIDDLE AGE/ PROPYLTHIOURACIL, administration & dosage/ PROPYLTHIOURACIL, therapeutic use/ PROSPECTIVE STUDIES/ *THYROID ANTAGONISTS, therapeutic use

3661. **Solem JH, Helsingen N, Lind B, et al:** Betaadrenerg blokade og subtotal thyreoidektomi hos thyreotoksiske pasienter. En prospektiv studie av 30 pasienter behandlet med propranolol. Tidsskr Nor Laegeforen 99(2):81–2, 20 Jan 79 **(Nor)**

ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, surgery/ MALE/ MIDDLE AGE/ PREMEDICATION/ *PROPRANOLOL, therapeutic use/ PROSPECTIVE STUDIES/ THYROIDECTOMY

3662. **Soler NG, Kennedy W, Wortsman J:** Isolated high serum triiodothyronine levels. Clinical relevance after sodium iodide I 131 therapy. Arch Intern Med 139(1):36–8, Jan 79

ADULT/ AGED/ FEMALE/ HUMAN/ HYPERTHYROIDISM, radiotherapy/ *IODINE RADIOISOTOPES, therapeutic use/ MALE/ MIDDLE AGE/ SODIUM IODIDE, therapeutic use/ THYROTROPIN, blood/ THYROXINE, blood/ *TRIIODOTHYRONINE, blood

3663. **Soler-Argilaga C, Russell RL, Werner HV, et al:** A possible role of calcium in the action of glucagon, cAMP and dibutyryl cAMP on the metabolism of free fatty acids by rat hepatocytes. Biochem Biophys Res Commun 85(1):249–56, 14 Nov 78

A-23187, pharmacodynamics/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ *CALCIUM, pharmacodynamics/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DIGLYCERIDES, biosynthesis/ *GLUCAGON, pharmacodynamics/ GLUCOSE, metabolism/ IN VITRO/ KETONE BODIES, biosynthesis/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ *OLEIC ACIDS, metabolism/ RATS/ TRIGLYCERIDES, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3664. **Solley GO, Dickson ER, Gleich GJ, et al:** Chronic active liver disease with common variable hypogammaglobulinemia. Mayo Clin Proc 54(2):127–30, Feb 79

ADULT/ *AGAMMAGLOBULINEMIA, complications/ AGAMMAGLOBULINEMIA, immunology/ CASE REPORT/ CHRONIC DISEASE/ HUMAN/ *LIVER DISEASES, complications/ LIVER DISEASES, drug therapy/ LIVER DISEASES, immunology/ LYMPHOCYTES, immunology/ MALE/ PREDNISONE, therapeutic use/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3665. **Solomon HJ:** Ovarian carcinoma--the challenge [editorial] Med J Aust 2(6):241–2, 9 Sep 78

FEMALE/ HUMAN/ *OVARIAN NEOPLASMS, therapy/ PREGNANCY/ RISK

3666. **Solomon S, Wise PM, Sanborn C, et al:** Cyclic nucleotide concentrations in relation to renal growth and hypertrophy. Yale J Biol Med 51(3):373–9, May-Jun 78

*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HEART VENTRICLE, metabolism/ HYPERPLASIA/ HYPERTROPHY/ KIDNEY, growth & development/ KIDNEY, metabolism/ *KIDNEY, physiology/ LIVER REGENERATION/ LIVER, metabolism/ MALE/ NEPHRECTOMY/ RATS/ SPLEEN, metabolism/ TESTIS, metabolism/ UNITED STATES GOV'T SUPPORTED

3667. **Solov'ev VD, Bektemirov TA:** Leĭkotsitarnyĭ interferon--pokazatel' reaktivnosti organizma v norme i pri patologii. Vestn Akad Med Nauk SSSR (2):19–26, 1979 (Eng. Abstr.) **(Rus)**

ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ *ANTIGEN-ANTIBODY REACTIONS/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ ENDOCRINE DISEASES, immunology/ ENGLISH ABSTRACT/ HUMAN/ INDIVIDUALITY/ INFANT/ INTERFERON, analysis/ INTERFERON, biosynthesis/ *INTERFERON, immunology/ *LEUKOCYTES, immunology/ MIDDLE AGE/ VIRUS DISEASES, immunology

3668. **Sołtysiak-Pawluczuk D, Bitny-Szlachto S:** Activation of spleen adenylate cyclase by agents forming mixed disulfides. FEBS Lett 96(1):173–4, 1 Dec 78

*ADENYL CYCLASE, metabolism/ ANIMAL/ *CYSTAMINE, pharmacodynamics/ *CYSTEAMINE, pharmacodynamics/ DISULFIDES/ ENZYME ACTIVATION, drug effects/ MALE/ MICE/ SPLEEN, enzymology

3669. **Som P, Matsui K, Atkins HL, et al:** Microautoradiographic studies on the cellular localization of radiothallium. Nuklearmedizin 17(6):266–9, Dec 78

ANIMAL/ AUTORADIOGRAPHY/ DOGS/ INTESTINES, metabolism/ KIDNEY, metabolism/ MICE/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ *RADIOISOTOPES, diagnostic use/ RATS/ TESTIS, metabolism/ *THALLIUM, metabolism/ THYROID GLAND, metabolism/ TISSUE DISTRIBUTION/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3670. **Somlyo AP:** The role of organelles in regulating cytoplasmic calcium in vascular smooth muscle. pp. 21–9. In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977. (45 ref.)

ANIMAL/ BLOOD VESSELS, metabolism/ BLOOD VESSELS, ultrastructure/ *CALCIUM, metabolism/ *CYTOPLASM, metabolism/ MESENTERIC VEINS, ultrastructure/ MITOCHONDRIA, MUSCLE, metabolism/ MITOCHONDRIA, MUSCLE, ultrastructure/ MONOGRAPH/ *MUSCLE, SMOOTH, metabolism/ MUSCLE, SMOOTH, ultrastructure/ PULMONARY ARTERY, ultrastructure/ RABBITS/ REVIEW/ SARCOPLASMIC RETICULUM, metabolism/ SARCOPLASMIC RETICULUM, ultrastructure/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3671. **Somogyi E, Sótonyi P, Nemes A, et al:** Intermittent hypoxic loading: a model system to study the early stages of myocardial lesions. Acta Morphol Acad Sci Hung 25(4):279–84, 1977

ADENOSINE TRIPHOSPHATE, metabolism/ *ANGINA PECTORIS, pathology/ ANIMAL/ ANOXIA, metabolism/ *ANOXIA, pathology/ CALCIUM, metabolism/ MYOCARDIUM, metabolism/ *MYOCARDIUM, ultrastructure

3672. **Somova L, Orbetzova V, Davidova F, et al:** Influence of linoleic acid in the diet on arterial pressure of salt loaded rats. II. Effects on plasma catecholamine concentration, renin activity, and reactivity of isolated vessels. Acta Biol Med Ger 37(5–6):869–73, 1976

ANGIOTENSINS, pharmacodynamics/ ANIMAL/ *BLOOD PRESSURE, drug effects/ *CATECHOLAMINES, blood/ *DIETARY FATS/ EPINEPHRINE, blood/ INDOMETHACIN, pharmacodynamics/ KIDNEY, drug effects/ *KIDNEY, metabolism/ *LINOLEIC ACIDS, pharmacodynamics/ MALE/ NOREPINEPHRINE, pharmacodynamics/ PROSTAGLANDINS A, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ RATS/ *RENIN, metabolism/ *SODIUM CHLORIDE, pharmacodynamics

3673. **Sonnenberg A, Koelz HR, Herz R, et al:** Der Einfluss oraler Kontrazeptiva auf die Demethylierung von Diazepam und Dimethyl-N-Aminoantipyrin. Verh Dtsch Ges Inn Med (84):1485–8, 1978 **(Ger)**

*ANTIPYRINE, analogs & derivatives/ ANTIPYRINE, metabolism/ CONTRACEPTIVES, ORAL, HORMONAL, pharmacodynamics/ *DIAZEPAM, metabolism/ FEMALE/ HUMAN

3674. **Sorbe B:** Active pharmacologic management of the third stage of labor. A comparison of oxytocin and ergometrine. Obstet Gynecol 52(6):694–7, Dec 78
ADULT/ COMPARATIVE STUDY/ *ERGONOVINE, administration & dosage/ FEMALE/ HEMORRHAGE, POSTPARTUM, etiology/ HEMORRHAGE, POSTPARTUM, prevention & control/ HUMAN/ INFANT, NEWBORN/ *LABOR STAGE, THIRD, drug effects/ *LABOR, drug effects/ *OXYTOCIN, administration & dosage/ PLACENTA DISORDERS/ PLACENTA/ PREGNANCY/ RISK/ TIME FACTORS/ UTERINE DISEASES, complications

3675. **Sorensen EN, Vidaver GA:** Hybridization by cosonication of pigeon erythrocyte membrane with exogenous lipid vesicles. J Membr Biol 44(1):47–65, 8 Dec 78
ANIMAL/ CALCIUM, metabolism/ CELL FRACTIONATION/ CELL MEMBRANE PERMEABILITY/ CHLORIDES, metabolism/ CHOLINE, metabolism/ *ERYTHROCYTE MEMBRANE/ *ERYTHROCYTES/ GLYCINE, metabolism/ IN VITRO/ *LIPOSOMES/ PIGEONS/ SONICATION/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3676. **Sørensen K, Nielsen J, Frøland A, et al:** Psychiatric examination of all eight adult males with the karyotype 46,XX diagnosed in Denmark till 1976. Acta Psychiatr Scand 59(2):153–63, Feb 79
ADULT/ *AFFECTIVE DISTURBANCES, familial & genetic/ CASE REPORT/ DENMARK/ HUMAN/ INTELLIGENCE/ INTERVIEW, PSYCHOLOGICAL/ KLINEFELTER'S SYNDROME, psychology/ MALE/ MIDDLE AGE/ SEX BEHAVIOR/ *SEX CHROMOSOME ABNORMALITIES/ SOCIAL ADJUSTMENT

3677. **Sørensen TS, Colding H, Schroeder E, et al:** The penetration of cefazolin, erythromycin and methicillin into human bone tissue. Acta Orthop Scand 49(6):549–53, Dec 78
AGED/ *BONE AND BONES, metabolism/ BONE MARROW, metabolism/ CEFAZOLIN, administration & dosage/ *CEFAZOLIN, metabolism/ CEFAZOLIN, therapeutic use/ *CEPHALOSPORINS, metabolism/ ERYTHROMYCIN, administration & dosage/ *ERYTHROMYCIN, metabolism/ ERYTHROMYCIN, therapeutic use/ FEMALE/ FEMORAL FRACTURES, metabolism/ *FEMORAL FRACTURES, surgery/ FRACTURE FIXATION, INTERNAL/ HUMAN/ MALE/ METHICILLIN, administration & dosage/ *METHICILLIN, metabolism/ METHICILLIN, therapeutic use/ MIDDLE AGE/ *SURGICAL WOUND INFECTION, prevention & control

3678. **Sorfová J, Misinger I, Burdová M:** Klinické sledování steroidního metabolismu fetoplacentární jednotky.--II. Hladiny testosteronu a 17beta--estradiolu v mateřské krvi u fyziologických a patologických těhotenství. Cesk Gynekol 43(10):771–5, Nov 78 (Eng. Abstr.) **(Cze)**
ENGLISH ABSTRACT/ *ESTRADIOL, metabolism/ FEMALE/ FETUS, metabolism/ HUMAN/ MATERNAL-FETAL EXCHANGE/ *PLACENTA, metabolism/ *PREGNANCY COMPLICATIONS, metabolism/ PREGNANCY/ *TESTOSTERONE, metabolism

3679. **Sorimachi M, Yoshida K:** Exocytotic release of catecholamines and dopamine-beta-hydroxylase from the perfused adrenal gland of the rabbit and cat. Br J Pharmacol 65(1):117–25, Jan 79
ACETYLCHOLINE, pharmacodynamics/ *ADRENAL GLANDS, metabolism/ ANIMAL/ *CATECHOLAMINES, metabolism/ CATS/ *DOPAMINE BETA-HYDROXYLASE, metabolism/ EPINEPHRINE, metabolism/ *EXOCYTOSIS/ IN VITRO/ PILOCARPINE, pharmacodynamics/ POTASSIUM CHLORIDE, pharmacodynamics/ RABBITS/ STIMULATION, CHEMICAL/ SUBCELLULAR FRACTIONS, metabolism

3680. **Sottiurai VS, Malvin RL:** Polkissen cells and their possible role in renin secretion. Nephron 22(4–6):558–69, 1978
ANIMAL/ CELL NUCLEUS, ultrastructure/ DOGS/ HEMORRHAGE, physiopathology/ *JUXTAGLOMERULAR APPARATUS, cytology/ JUXTAGLOMERULAR APPARATUS, secretion/ JUXTAGLOMERULAR APPARATUS, ultrastructure/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, ultrastructure/ ORGANOIDS, ultrastructure/ PERFUSION/ RENIN, blood/ *RENIN, secretion/ RIBOSOMES, ultrastructure/ SODIUM, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VACUOLES, ultrastructure

3681. **Sowers JR, Tempel G, Resch G, et al:** Pituitary response to TRH and LHRH in spontaneously hypertensive rats. Proc Soc Exp Biol Med 159(3):397–9, Dec 78
ANIMAL/ *HYPERTENSION, physiopathology/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ LH, blood/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ PITUITARY GLAND, ANTERIOR, physiopathology/ PROLACTIN, blood/ RATS/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics/ THYROTROPIN, blood

3682. **Sowers JR, Colantino M, Fayez J, et al:** Pituitary response to LHRH in midtrimester pregnancy. Obstet Gynecol 52(6):685–8, Dec 78
ADULT/ FEMALE/ FSH, blood/ HUMAN/ LH, blood/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ *PITUITARY GLAND, drug effects/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY/ PROLACTIN, blood/ RADIOIMMUNOASSAY/ SOMATOTROPIN, blood/ STIMULATION, CHEMICAL/ THYROTROPIN, blood

3683. **Sowers JR, Resch G, Tempel G, et al:** Hyperprolactinaemia in the spontaneously hypertensive rat. Acta Endocrinol (Copenh) 90(1):1–7, Jan 79
ANIMAL/ HALOPERIDOL, diagnostic use/ *HYPERTENSION, blood/ HYPERTENSION, physiopathology/ HYPOTHALAMUS, physiopathology/ IMMOBILIZATION/ LEVODOPA, diagnostic use/ MALE/ *PROLACTIN, blood/ PROLACTIN, secretion/ RATS/ STRESS/ THYROTROPIN RELEASING HORMONE, diagnostic use

3684. **Spaček B, Bohutová J, Slavík M, et al:** Adenom paratyroidální. Rozhl Chir 57(11):716–21, Nov 78 (Eng. Abstr.) **(Cze)**
*ADENOMA, diagnosis/ ADENOMA, surgery/ ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ OSTEITIS FIBROSA CYSTICA, complications/ *PARATHYROID NEOPLASMS, diagnosis/ PARATHYROID NEOPLASMS, surgery

3685. **Spark RF, Dickstein G, Pallotta J:** Complete remission of acromegaly with medical treatment. JAMA 241(6):573–5, 9 Feb 79
*ACROMEGALY, drug therapy/ ACROMEGALY, radiotherapy/ ACROMEGALY, therapy/ ADULT/ BLOOD SUGAR, analysis/ CASE REPORT/ FEMALE/ HUMAN/ HYPOPHYSECTOMY/ PITUITARY IRRADIATION/ SOMATOTROPIN, blood/ 2-BROMOERGOCRYPTINE, pharmacodynamics/ *2-BROMOERGOCRYPTINE, therapeutic use

3686. **Spencer R, Charman M, Lawson DE:** Stimulation of intestinal calcium-binding-protein mRNA synthesis in the nucleus of vitamin D-deficient chicks by 1,25-dihydroxycholecalciferol. Biochem J 175(3):1089–94, 1 Dec 78
ANIMAL/ *CARP/ CELL NUCLEUS, drug effects/ CELL NUCLEUS, metabolism/ CELL-FREE SYSTEM/ CHICKENS/ CHOLECALCIFEROLS, pharmacodynamics/ *CYPRINIDAE/ *DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ *HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ ILEUM, drug effects/ *ILEUM, metabolism/ IN VITRO/ INTESTINAL MUCOSA, drug effects/ INTESTINAL MUCOSA, metabolism/ POLYRIBOSOMES, metabolism/ *RNA, MESSENGER, biosynthesis/ *VITAMIN D DEFICIENCY, metabolism

3687. **Spennati GF, Placidi S, Persichetti B, et al:** Renin and aldosterone response in human newborns to acute blood volume change [letter] Arch Dis Child 54(1):80, Jan 79
ALDOSTERONE, blood/ BLOOD VOLUME/ *EXCHANGE TRANSFUSION/ HUMAN/

INFANT, NEWBORN/ JAUNDICE, NEONATAL, blood/ *JAUNDICE, NEONATAL, therapy/ *RENIN, blood

3688. **Sperk G, Stewart RM, Campbell A, et al:** Inhibition of 5,7-dihydroxytryptamine-induced supersensitivity to 5-hydroxytryptophan in mice by treatment with cycloheximide. Brain Res 159(1):183–94, 22 Dec 78
ANIMAL/ BRAIN, metabolism/ *CYCLOHEXIMIDE, pharmacodynamics/ DESIPRAMINE, pharmacodynamics/ *DIHYDROXYTRYPTAMINES, antagonists & inhibitors/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ *HYDROXYTRYPTOPHAN, pharmacodynamics/ MALE/ MICE/ *MOVEMENT, drug effects/ MUSCLE CONTRACTION, drug effects/ NERVE TISSUE PROTEINS, biosynthesis/ NEUROMUSCULAR JUNCTION, drug effects/ NOREPINEPHRINE, metabolism/ PREMEDICATION/ RECEPTORS, SEROTONIN, drug effects/ SEROTONIN, metabolism/ SEROTONIN, pharmacodynamics/ SYNAPTOSOMES, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *5,7-DIHYDROXYTRYPTAMINE, antagonists & inhibitors/ 5,7-DIHYDROXYTRYPTAMINE, pharmacodynamics

3689. **Spirt BA, Kagan EH, Rozanski RM:** Sonolucent areas in the placenta: sonographic and pathologic correlation. AJR 131(6):961–5, Dec 78
ADOLESCENCE/ ADULT/ CASE REPORT/ EDEMA, diagnosis/ FEMALE/ FIBRIN/ HUMAN/ HYDATIDIFORM MOLE, diagnosis/ *PLACENTA DISORDERS, diagnosis/ PLACENTA DISORDERS, pathology/ PLACENTA, pathology/ PREGNANCY/ *ULTRASONICS, diagnostic use/ UTERINE NEOPLASMS, diagnosis

3690. **Spitz IM, Schumert Z, Steiner J, et al:** Induction of spermatogenesis in hypogonadotrophic hypogonadism. Postgrad Med J 54(636):694–7, Oct 78
ADULT/ CASE REPORT/ *EUNUCHISM, drug therapy/ EUNUCHISM, physiopathology/ *GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ MALE/ *MENOTROPINS, therapeutic use/ *SPERMATOGENESIS, drug effects/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3691. **Spona J, Bieglmayer C, Pirker R:** Progesterone receptor in the rat anterior pituitary. Transformation and nuclear translocation. FEBS Lett 97(2):269–74, 15 Jan 79
ANIMAL/ BIOLOGICAL TRANSPORT/ *CELL NUCLEUS, metabolism/ CYTOSOL, metabolism/ FEMALE/ KINETICS/ MOLECULAR WEIGHT/ *NORPREGNADIENES, metabolism/ *PITUITARY GLAND, ANTERIOR, metabolism/ *R 5020, metabolism/ RATS/ RECEPTORS, PROGESTERONE, isolation & purification/ *RECEPTORS, PROGESTERONE, metabolism

3692. **Spooner PM, Chernick SS, Garrison MM, et al:** Development of lipoprotein lipase activity and accumulation of triacylglycerol in differentiating 3T3-L1 adipocytes. Effects of prostaglandin F2alpha, 1-methyl-3-isobutylxanthine, prolactin, and insulin. J Biol Chem 254(4):1305–11, 25 Feb 79
ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ CELL DIFFERENTIATION/ CELL LINE/ ENZYME INDUCTION, drug effects/ *INSULIN, pharmacodynamics/ KINETICS/ *LIPOPROTEIN LIPASE, metabolism/ *PROLACTIN, pharmacodynamics/ *PROSTAGLANDINS F, pharmacodynamics/ *THEOPHYLLINE, analogs & derivatives/ *TRIGLYCERIDES, biosynthesis/ *1-METHYL-3-ISOBUTYLXANTHINE, pharmacodynamics

3693. **Spowart G:** Reassessment of presumed Y/22 and Y/15 translocations in man using a new technique. Cytogenet Cell Genet 23(1–2):90–4, 1979
*CHROMOSOME BANDING, methods/ *CHROMOSOMES, HUMAN, 13–15/ *CHROMOSOMES, HUMAN, 21–22/ HUMAN/ MALE/ *SEX CHROMOSOMES/ STAINS AND STAINING/ *TRANSLOCATION (GENETICS)/ *Y CHROMOSOME

3694. **Spranger J, Kemperdieck H, Bakowski H, et al:** Two peculiar types of enchondromatosis. Pediatr Radiol 7(4):215–9, 4 Dec 78
*BONE AND BONES, radiography/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ *DYSCHONDROPLASIA, radiography/ HUMAN/ MALE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3695. **Srebro Z, Brodzicki S:** Changed activity in the hypothalamic neurosecretory centres and the pituitary gland of mice in the course of tetanus toxoid immunization. Folia Biol (Krakow) 26(4):257–62, 1978
ANIMAL/ ANTIBODIES, analysis/ *HYPOTHALAMUS, cytology/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, immunology/ IMMUNIZATION/ MALE/ MICE/ *NEUROSECRETION/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, immunology/ *TETANUS TOXOID, pharmacodynamics

3696. **Srougi M, Munhoz JB, Tomazini OJ, et al:** Tratamento e prognóstico dos tumores germinativos do testículo. AMB 24(9):313–6, Sep 78 (Eng. Abstr.) **(Por)**
ADOLESCENCE/ ADULT/ CARCINOMA, therapy/ CHILD/ *DYSGERMINOMA, therapy/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/ PROGNOSIS/ TERATOID TUMOR, therapy/ *TESTICULAR NEOPLASMS, therapy

3697. **Stachów A, Jabłońska S, Skiendzielewska A:** Biogenic amines derived from tryptophan in systemic and cutaneous scleroderma. Acta Derm Venereol (Stockh) 59(1):1–5, 1979
COLORIMETRY/ FEMALE/ HUMAN/ *HYDROXYINDOLEACETIC ACID, metabolism/ HYDROXYINDOLEACETIC ACID, urine/ *INDOLEACETIC ACIDS, metabolism/ INDOLEACETIC ACIDS, urine/ MALE/ MONOAMINE OXIDASE, metabolism/ SCLERODERMA, CIRCUMSCRIBED, metabolism/ *SCLERODERMA, SYSTEMIC, metabolism/ SEROTONIN, blood/ *SEROTONIN, metabolism/ SPECTROMETRY, FLUORESCENCE/ *TRYPTAMINES, metabolism/ TRYPTAMINES, urine/ *TRYPTOPHAN, metabolism

3698. **Stahl F, Hubl W, Schnorr D, et al:** Evaluation of a competitive binding assay for cortisol using horse transcortin. Endokrinologie 72(2):214–22, May 78
AMNIOTIC FLUID, analysis/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ DIETHYLSTILBESTROL, therapeutic use/ ENDOCRINE DISEASES, metabolism/ FEMALE/ FETAL BLOOD, analysis/ HORSES/ HUMAN/ *HYDROCORTISONE, analysis/ HYDROCORTISONE, blood/ HYDROCORTISONE, urine/ INFANT, NEWBORN/ MALE/ NORMAL VALUES/ PREGNANCY/ PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, metabolism/ RADIOIMMUNOASSAY, methods/ *TRANSCORTIN

3699. **Stahl NI, Decker JL:** Androgenic status of males with systemic lupus erythematosus. Arthritis Rheum 21(6):665–8, Jul-Aug 78
ADULT/ CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, adverse effects/ CYCLOPHOSPHAMIDE, therapeutic use/ *FSH, blood/ HUMAN/ LEYDIG CELLS, drug effects/ LEYDIG CELLS, physiology/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, blood/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, physiopathology/ *LH, blood/ MALE/ MIDDLE AGE/ PITUITARY GLAND, ANTERIOR, drug effects/ *PITUITARY GLAND, ANTERIOR, physiopathology/ PREDNISONE, administration & dosage/ PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ SEMINIFEROUS TUBULES, drug effects/ SEMINIFEROUS TUBULES, physiopathology/ SEX FACTORS/ SEX MATURATION/ TESTIS, drug effects/ *TESTIS, physiopathology/ *TESTOSTERONE, blood

3700. **Stangl R:** Berichtigung zu einer in der letzten Sitzung des Consilium diagnosticum vorgestellten riesigen serösen Netzhautabhebung bei einem grossen Tumor unbekannter Atiologie. Ber Zusammenkunft Dtsch Ophthalmol Ges

(75):601–3, 1978 **(Ger)**
CARCINOMA, PAPILLARY, diagnosis/ *CARCINOMA, PAPILLARY, pathology/ CASE REPORT/ CHILD/ *EYE NEOPLASMS, complications/ EYE NEOPLASMS, pathology/ FEMALE/ HUMAN/ NEOPLASM METASTASIS/ *RETINAL DETACHMENT, etiology/ THYROID NEOPLASMS, diagnosis/ *THYROID NEOPLASMS, pathology

3701. **Stankiewicz C:** Ograniczone zapalenie tkanek oczodołu jako przyczyna jednostronnego wytrzeszczu. Otolaryngol Pol 32(6):633–6, 1978 **(Pol)**
CASE REPORT/ CHILD/ *EXOPHTHALMOS, etiology/ FEMALE/ HUMAN/ INFLAMMATION, complications/ *ORBIT

3702. **Stanoeva L, Konstantinov D, Vckova M, et al:** Association of pemphigus chronicus with pregnancy. Dermatologica 158(2):99–103, 1979
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ CASE REPORT/ CHRONIC DISEASE/ FEMALE/ HUMAN/ *PEMPHIGUS/ PEMPHIGUS, drug therapy/ PEMPHIGUS, pathology/ *PREGNANCY COMPLICATIONS/ PREGNANCY COMPLICATIONS, drug therapy/ PREGNANCY COMPLICATIONS, pathology/ PREGNANCY/ REMISSION/ SKIN, pathology

3703. **Starfield B:** Enuresis: focus on a challenging problem in primary care [letter] Pediatrics 62(6):1036–7, Dec 78
CLINICAL RESEARCH/ DESMOPRESSIN, therapeutic use/ DOUBLE-BLIND METHOD/ *ENURESIS, drug therapy/ FOLLOW-UP STUDIES/ HUMAN/ OSMOLAR CONCENTRATION/ PLACEBOS/ RESEARCH DESIGN/ RESEARCH

3704. **Starlinger H:** Activity of dopamine beta-monooxygenase in the tissue of the cat's carotid body.
Hoppe Seylers Z Physiol Chem 360(1):103–6, Jan 79
ADRENAL MEDULLA, enzymology/ ANIMAL/ *CAROTID BODY, enzymology/ CATS/ CATTLE/ COMPARATIVE STUDY/ *DOPAMINE BETA-HYDROXYLASE, metabolism/ FEMALE/ GANGLIA, SPINAL, enzymology/ KINETICS/ MALE/ ORGAN SPECIFICITY/ SPECIES SPECIFICITY

3705. **Starr MS:** GABA-mediated potentiation of amine release from nigrostriatal dopamine neurones in vitro.
Eur J Pharmacol 53(3):215–26, 15 Jan 79
AMINOBUTYRATE AMINOTRANSFERASE, antagonists & inhibitors/ ANIMAL/ *CORPUS STRIATUM, drug effects/ CORPUS STRIATUM, metabolism/ *DOPAMINE, metabolism/ GABA, analogs & derivatives/ *GABA, pharmacodynamics/ HISTAMINE, metabolism/ IN VITRO/ MALE/ NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, metabolism/ *SUBSTANTIA NIGRA, drug effects/ SUBSTANTIA NIGRA, metabolism/ TIME FACTORS

3706. **Starzl TE:** Liver transplantation. Z Gastroenterol 16(12):725–38, Dec 78
ADULT/ AGE FACTORS/ ANIMAL/ ANTILYMPHOCYTE SERUM, therapeutic use/ AZATHIOPRINE, therapeutic use/ BILIARY TRACT, abnormalities/ CHILD/ DOGS/ GRAFT REJECTION/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ LIVER DISEASES, surgery/ *LIVER, transplantation/ METABOLISM, INBORN ERRORS, surgery/ POSTOPERATIVE COMPLICATIONS, mortality/ PREDNISONE, therapeutic use/ PROGNOSIS/ SWINE/ TRANSPLANTATION, ALLOGENEIC, mortality/ TRANSPLANTATION, ALLOGENEIC, methods/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UNITED STATES

3707. **Starzyk J, Senze M:** Der Einfluss von Lipidol auf das Gewebe der gesunden Schilddrüse beim Hund.
Radiol Diagn (Berl) 19(6):753–6, Dec 78 **(Ger)**
ANIMAL/ DOGS/ FEMALE/ *IODIZED OILS, toxicity/ *LIPIODOL, toxicity/ LYMPHOGRAPHY/ MALE/ *THYROID GLAND, drug effects/ THYROID GLAND, pathology/ THYROID GLAND, radiography

3708. **Staub JJ, Birkhäuser M, Girard J, et al:** Oral T.R.H. for evaluation of patients with impaired response to intravenous T.R.H. [letter] Lancet 1(8109):209–10, 27 Jan 79
ADMINISTRATION, ORAL/ COMPARATIVE STUDY/ EVALUATION STUDIES/ HUMAN/ INJECTIONS, INTRAVENOUS/ *THYROID FUNCTION TESTS/ *THYROID GLAND, drug effects/ *THYROTROPIN RELEASING HORMONE, administration & dosage/ THYROTROPIN RELEASING HORMONE, diagnostic use

3709. **Steele PE, Jacobs DS:** Listeria monocytogenes. Macroabscesses of placenta. Obstet Gynecol 53(1):124–7, Jan 79
*ABSCESS, pathology/ ADULT/ CASE REPORT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ *LISTERIA INFECTIONS, pathology/ *PLACENTA DISORDERS, pathology/ PREGNANCY COMPLICATIONS, INFECTIOUS, pathology/ PREGNANCY

3710. **Steigrad P, Tobler I, Waser PG, et al:** Effect of p-chlorophenylalanine on cerebral serotonin binding, serotonin concentration and motor activity in the rat. Naunyn Schmiedebergs Arch Pharmacol 305(2):143–8, Nov 78
*P-CHLOROPHENYLALANINE, pharmacodynamics/ ANIMAL/ *BRAIN, metabolism/ HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ *MOTOR ACTIVITY, drug effects/ RATS/ *SEROTONIN, metabolism/ TIME FACTORS

3711. **Stein-Werblowsky R:** On the lymphatic spread of cancer. Experientia 34(10):1340–1, 15 Oct 78
ANIMAL/ CAPILLARY PERMEABILITY, drug effects/ CELL MOVEMENT, drug effects/ LEVAMISOLE, pharmacodynamics/ *LYMPHATIC METASTASIS, physiopathology/ NEOPLASMS, EXPERIMENTAL, pathology/ PROSTAGLANDINS, pharmacodynamics/ PROSTATIC NEOPLASMS, pathology/ RATS/ TRYPSIN, metabolism

3712. **Steinbach G:** Unterschiedliche Eigenschaften der Fluoresceinisothiocyanat-Isomeren.
Acta Histochem [Suppl] (Jena) 14:247–54, 1975 **(Ger)**
ABSORPTION/ COMPARATIVE STUDY/ DRUG SCREENING/ *FLUORESCEINS/ FLUORESCEINS, metabolism/ FLUORESCENCE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IGG, metabolism/ RABBITS/ SERUM ALBUMIN, BOVINE, metabolism/ *THIOCYANATES/ THIOCYANATES, metabolism

3713. **Steinberg FU, Birge SJ, Cooke NE:** Hypercalcaemia in adolescent tetraplegic patients: case report and review. Paraplegia 16(1):60–7, May 78
ADOLESCENCE/ ADRENAL GLAND HYPOFUNCTION, blood/ CALCITONIN, therapeutic use/ CALCIUM, blood/ CASE REPORT/ CORTISONE, therapeutic use/ HUMAN/ HYDROCORTISONE, blood/ *HYPERCALCEMIA, blood/ MALE/ PHOSPHORUS, blood/ POTASSIUM, blood/ *QUADRIPLEGIA, blood/ SPINAL CORD INJURIES, blood

3714. **Steinberg RA, van Daalen Wetters T, Coffino P:** Kinase-negative mutants of S49 mouse lymphoma cells carry a trans-dominant mutation affecting expression of cAMP-dependent protein kinase. Cell 15(4):1351–61, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *GENES, DOMINANT/ GENES, REGULATOR/ HYBRID CELLS, enzymology/ *LYMPHOMA, enzymology/ LYMPHOMA, familial & genetic/ MUTATION/ NEOPLASMS, EXPERIMENTAL, enzymology/ PHOSPHORYLATION/ PROTEIN KINASE, antagonists & inhibitors/ *PROTEIN KINASE, genetics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3715. **Steinberger E, Smith KD, Tcholakian RK, et al:** Testosterone levels in female partners of infertile couples. Relationship between androgen levels in the woman, the male factor, and the incidence of pregnancy. Am J Obstet Gynecol 133(2):133–8, 15 Jan 79
*AMENORRHEA, blood/ AMENORRHEA, drug therapy/ *ANOVULATION, blood/ ANOVULATION, drug therapy/ CELL NUMBER/ FEMALE/ HUMAN/ MALE/ PREDNISONE, therapeutic use/ SEMEN, cytology/ SPERMATOZOA/ *STERILITY/ *TESTOSTERONE, blood

3716. **Steiner R:** Zur Pharmakodynamik der Lokalanästhetika.

Klin Anaesthesiol Intensivther (18):17–31, 1978 (Ger)
ACETYLCHOLINE, metabolism/ *ANESTHETICS, LOCAL, metabolism/ BINDING, COMPETITIVE/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, metabolism/ CELL MEMBRANE, metabolism/ HUMAN/ KINETICS/ NEURONS, metabolism/ SODIUM, metabolism

3717. **Steinhausen HC, Gluck M, Wiebel J:** Psychological development of children and adolescents with hypothyroidism. Acta Paedopsychiatr (Basel) 44(2):77–84, Feb 79
ADOLESCENCE/ *CHILD DEVELOPMENT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, psychology/ MALE/ MENTAL RETARDATION, psychology

3718. **Steininger H:** Uber die Herkunft von Septen und Inseln der menschlichen Plazenta. Arch Gynecol 226(3):261–75, 30 Nov 78 (Eng. Abstr.) (Ger)
DECIDUA, cytology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *PLACENTA, cytology/ PREGNANCY/ SEX CHROMATIN/ TROPHOBLAST, cytology/ X CHROMOSOME

3719. **Stella A, Dampney RA, Golin R, et al:** Differences in reflex control of arterial pressure and renin release during head-up tilting in the cat. Clin Sci Mol Med 55 Suppl 4:179s–181s, Dec 78
AFFERENT PATHWAYS, physiology/ ANIMAL/ *BLOOD PRESSURE/ CATS/ KIDNEY, innervation/ *KIDNEY, metabolism/ *POSTURE/ PRESSORECEPTORS, physiology/ *REFLEX, physiology/ *RENIN, secretion/ VAGOTOMY/ VAGUS NERVE, physiology

3720. **Stellpflug H, Wickings EJ, Nieschlag E:** Operationsstress während kombinierter Elektroakupunkturanalgesie und Enfluranenarkose, gemessen am Serum-Cortisol. Prakt Anaesth 13(6):483–8, Dec 78 (Eng. Abstr.) (Ger)
*ACUPUNCTURE/ ADULT/ *ANESTHESIA, INHALATION/ COMPARATIVE STUDY/ *ENFLURANE/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ *METHYL ETHERS/ MIDDLE AGE/ *STRESS, etiology/ *SURGERY, OPERATIVE, adverse effects

3721. **Stephens GA, Davis JO, Freeman RH, et al:** Hemodynamic, fluid, and electrolyte changes in sodium-depleted, one-kidney, renal hypertensive dogs. Circ Res 44(3):316–21, Mar 79
ANIMAL/ CARDIAC OUTPUT/ CONSTRICTION/ DOGS/ *EXTRACELLULAR SPACE, physiology/ FEMALE/ *HEMODYNAMICS/ *HYPERTENSION, RENAL, physiopathology/ *NEPHRECTOMY/ RENAL ARTERY, physiopathology/ RENIN, blood/ *SODIUM, physiology

3722. **Sterling K:** Thyroid hormone action at the cell level (second of two parts). N Engl J Med 300(4):173–7, 25 Jan 79 (77 ref.)
AMINO ACIDS, metabolism/ ANIMAL/ BINDING SITES/ CATECHOLAMINES, biosynthesis/ HUMAN/ HYPERTHYROIDISM, metabolism/ HYPERTHYROIDISM, physiopathology/ HYPOTHYROIDISM, metabolism/ HYPOTHYROIDISM, physiopathology/ MITOCHONDRIA, metabolism/ MITOCHONDRIA, LIVER, metabolism/ OXIDATIVE PHOSPHORYLATION/ OXYGEN CONSUMPTION/ PROTEINS, biosynthesis/ RATS/ RECEPTORS, ADRENERGIC, BETA, physiology/ REVIEW/ THYROID HORMONES, metabolism/ *THYROID HORMONES, physiology/ THYROIDECTOMY/ TYROSINE, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3723. **Stern P, Chen S, Kahn D:** Bone-resorbing activity in serum albumin. pp. 123–6.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.
ANIMAL/ *BONE RESORPTION, drug effects/ COMPARATIVE STUDY/ DRUG STABILITY/ MONOGRAPH/ PARATHYROID HORMONE, pharmacodynamics/ *SERUM ALBUMIN, BOVINE, pharmacodynamics

3724. **Stetson MH:** Circadian organization and female reproductive cyclicity. Adv Exp Med Biol 108:251–74, 1978
ANIMAL/ *CIRCADIAN RHYTHM/ ESTRUS/ FEMALE/ *HAMSTERS, physiology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ OVARY, innervation/ OVARY, physiology/ OVULATION/ RATS/ *REPRODUCTION/ UNITED STATES GOV'T SUPPORTED

3725. **Stevens JC:** Lateral approach for exploration of the parathyroid gland. Surg Gynecol Obstet 148(3):431–2, Mar 79
*ADENOMA, surgery/ HUMAN/ HYPERPARATHYROIDISM, diagnosis/ *HYPERPARATHYROIDISM, surgery/ HYPERPLASIA/ PARATHYROID GLANDS, pathology/ *PARATHYROID GLANDS, surgery/ PARATHYROID GLANDS, transplantation/ *PARATHYROID NEOPLASMS, surgery/ THYROID GLAND, surgery

3726. **Stevens RH, Osborne JW, Shaner JP, et al:** Protein kinase activities in X-radiation-induced adenocarcinoma of rat small bowel. Radiat Res 76(1):95–104, Oct 78
*ADENOCARCINOMA, enzymology/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ DNA, metabolism/ HISTONES, metabolism/ *INTESTINAL NEOPLASMS, enzymology/ INTESTINE, SMALL/ MALE/ NEOPLASMS, EXPERIMENTAL, enzymology/ *NEOPLASMS, RADIATION-INDUCED, enzymology/ PHOSPHOPROTEIN PHOSPHATASES, metabolism/ *PROTEIN KINASE, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ X-RAYS

3727. **Stevenson RD, Gray AC, Lucie NP:** Stimulation of capillary tube polymorph migration: an indirect glucocorticoid effect on microtubular function. Clin Exp Immunol 33(3):478–85, Sep 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ BENZIMIDAZOLES, pharmacodynamics/ BUTYRATES, pharmacodynamics/ CARBACHOL, pharmacodynamics/ CARBAMATES, pharmacodynamics/ *CHEMOTAXIS, LEUKOCYTE, drug effects/ COLCHICINE, pharmacodynamics/ DEUTERIUM, pharmacodynamics/ HUMAN/ ISOPROTERENOL, pharmacodynamics/ LEVAMISOLE, pharmacodynamics/ MICROTUBULES, drug effects/ *MICROTUBULES, physiology/ *NEUTROPHILS, physiology/ *PEPTIDES, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ VINBLASTINE, pharmacodynamics

3728. **Stewart RE, Dixon GH, Graber RB:** Dens evaginatus (tuberculated cusps): genetic and treatment considerations. Oral Surg 46(6):831–6, Dec 78
*BICUSPID, abnormalities/ BICUSPID, surgery/ CASE REPORT/ DENTAL PULP CAPPING/ *DENTAL PULP CAVITY, abnormalities/ DENTAL RESTORATION, PERMANENT/ FEMALE/ HUMAN/ INDIANS, SOUTH AMERICAN/ PEDIGREE/ PULPECTOMY/ SEX CHROMOSOMES

3729. **Stimler NP, Tanzer ML:** Isolation and characterization of a double chain intermolecular cross-linked peptide from insoluble calf bone collagen. J Biol Chem 254(3):666–71, 10 Feb 79
AMINO ACIDS, analysis/ ANIMAL/ *BONE AND BONES, analysis/ CATTLE/ CHEMISTRY/ *COLLAGEN/ COLLAGEN, isolation & purification/ HYDROXYLYSINE/ NORLEUCINE/ PROTEIN BINDING/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3730. **Stitt JT:** Fever versus hyperthermia. Fed Proc 38(1):39–43, Jan 79
ANIMAL/ ASPIRIN, pharmacodynamics/ ATROPINE, pharmacodynamics/ BEHAVIOR, physiology/ BEHAVIOR, ANIMAL, physiology/ BIOGENIC AMINES, metabolism/ *BODY TEMPERATURE REGULATION/ BODY TEMPERATURE REGULATION, drug effects/ ENVIRONMENT/ EXERTION/ *FEVER, physiopathology/ HUMAN/ HYPOTHALAMUS, physiopathology/ NOMENCLATURE/ UNITED

STATES GOV'T SUPPORTED, P.H.S.

3731. **Stockwell RA:** Chondrocytes. J Clin Pathol [Suppl] (12):7–13, 1978 (48 ref.)
CALCIFICATION, PHYSIOLOGIC/ *CARTILAGE, cytology/ CARTILAGE, metabolism/ CELL NUCLEUS, ultrastructure/ CELL NUMBER/ COLLAGEN, metabolism/ ENDOTHELIUM, cytology/ GLYCOGEN, analysis/ GLYCOLYSIS/ LIPIDS, analysis/ MICROFILAMENTS, ultrastructure/ MITOSIS/ ORGANOIDS, ultrastructure/ OXYGEN CONSUMPTION/ PROTEOGLYCANS, metabolism/ REVIEW

3732. **Stockwell RM:** Irradiation related thyroid cancer. History and current recommendations. Conn Med 43(2):63–7, Feb 79 (17 ref.)
ADULT/ CASE REPORT/ CHILD/ FEMALE/ HISTORICAL ARTICLE/ HUMAN/ HYPERTROPHY, radiotherapy/ INFANT, NEWBORN/ MALE/ *NEOPLASMS, RADIATION-INDUCED/ *RADIOTHERAPY, history/ REVIEW/ *THYMUS GLAND, pathology/ *THYROID NEOPLASMS, etiology/ THYROID NEOPLASMS, history/ TONSILLITIS, radiotherapy/ UNITED STATES

3733. **Stoclet JC, Lugnier C:** Inhibitors of cyclic AMP breakdown. pp. 152–7.
In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977. (30 ref.)
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ IPROVERATRIL, pharmacodynamics/ MONOGRAPH/ PHENOTHIAZINES, pharmacodynamics/ PHOSPHODIESTERASE INHIBITORS, pharmacodynamics/ RATS/ REVIEW/ *VASODILATION, drug effects

3734. **Stoelting RK:** Plasma lidocaine concentrations following subcutaneous or submucosal epinephrine-lidocaine injection. Anesth Analg (Cleve) 57(6):724–6, Nov–Dec 78
CRANIOTOMY/ *EPINEPHRINE, administration & dosage/ EPINEPHRINE, adverse effects/ EPINEPHRINE, therapeutic use/ *HEMOSTATICS, administration & dosage/ HEMOSTATICS, adverse effects/ HEMOSTATICS, therapeutic use/ HUMAN/ HYPOPHYSECTOMY/ INJECTIONS/ INJECTIONS, SUBCUTANEOUS/ LIDOCAINE, administration & dosage/ *LIDOCAINE, blood/ METHODS/ MUCOUS MEMBRANE/ *SURGERY, OPERATIVE/ TIME FACTORS

3735. **Stoffer SS:** Substitution of levothyroxine products [letter] JAMA 241(12):1229, 23 Mar 79
AGED/ CASE REPORT/ FEMALE/ HUMAN/ HYPOTHYROIDISM, drug therapy/ LEGISLATION, DRUG/ *THERAPEUTIC EQUIVALENCY/ *THYROXINE, standards/ THYROXINE, therapeutic use/ UNITED STATES

3736. **Stögmann W:** Störungen des Kalzium-Phosphat-Stoffwechsels durch Antikonvulsiva in Relation zu ihrer Serumkonzentration. Paediatr Paedol 14(1):89–95, 1979 (Eng. Abstr.) **(Ger)**
ADOLESCENCE/ ALKALINE PHOSPHATASE, blood/ *CALCIUM, metabolism/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ EPILEPSY, drug therapy/ FEMALE/ HUMAN/ *HYDANTOINS, adverse effects/ MALE/ *OSSIFICATION, PATHOLOGIC, chemically induced/ OSTEOPOROSIS, chemically induced/ *PHOSPHATES, metabolism/ *PRIMIDONE, adverse effects/ RICKETS, chemically induced

3737. **Stolc V:** Characterization of iodoproteins secreted by phagocytosing human polymorphonuclear leukocytes. J Biol Chem 254(4):1273–9, 25 Feb 79
GRANULOCYTES, physiology/ HUMAN/ IODINE RADIOISOTOPES/ *IODOPROTEINS, blood/ ISOTOPE LABELING/ LATEX PARTICLES/ MACROMOLECULAR SYSTEMS/ MOLECULAR WEIGHT/ *NEUTROPHILS, physiology/ *PHAGOCYTOSIS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3738. **Stolkarts IZ:** Izmeneniia davleniia spinnomozgovoĭ zhidkosti pod vliianiem oksibutirata natriia i viadrila-G u bol'nykh s opukholiami golovnogo mozga. Zh Vopr Neirokhir (6):30–4, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ ANESTHESIA, INTRAVENOUS/ BRAIN NEOPLASMS, cerebrospinal fluid/ *BRAIN NEOPLASMS, surgery/ CEREBROSPINAL FLUID, drug effects/ ENGLISH ABSTRACT/ HUMAN/ *HYDROXYBUTYRATES, administration & dosage/ *HYDROXYDIONE, administration & dosage/ *INTRACRANIAL PRESSURE, drug effects/ MIDDLE AGE/ *SODIUM OXYBATE, administration & dosage/ *THIOPENTAL, administration & dosage

3739. **Stoll R, Rashedi M, Maraud R:** Sur l'hormone de régression mullerienne, agent inducteur du testicule chez l'embryon de poule. Bull Assoc Anat (Nancy) 62(176):131–43, Mar 78 (Eng. Abstr.) **(Fre)**
ANIMAL/ CHICK EMBRYO/ ENGLISH ABSTRACT/ *HORMONES, physiology/ *MULLERIAN DUCTS, physiology/ *TESTIS, embryology

3740. **Stolla R, Schams D, Gimenez T, et al:** Investigations on the influence of prolactin suppression on reproductive function in bulls. Andrologia 11(1):1–10, Jan 79
ANIMAL/ CATTLE/ CELL NUMBER/ CHLORIDES, metabolism/ CHOLINE, metabolism/ FRUCTOSE, metabolism/ INJECTIONS, INTRAMUSCULAR/ LIBIDO, drug effects/ LH, blood/ MALE/ *PROLACTIN, blood/ *REPRODUCTION/ REPRODUCTION, drug effects/ SEASONS/ SEMEN, analysis/ SEMEN, cytology/ SEX BEHAVIOR, ANIMAL, drug effects/ SPERM MOTILITY, drug effects/ TESTOSTERONE, blood/ 2-BROMOERGOCRYPTINE, administration & dosage/ *2-BROMOERGOCRYPTINE, pharmacodynamics

3741. **Stolze G, Depersdorff J, Kirchner I:** Die Wertung klinisch-chemischer Parameter bei Frauen in Abhängigkeit von der Zykluslage bzw. der Einnahme von Ovulationshemmern. Dtsch Gesundheitsw 33(50):2367–73, 1978 **(Ger)**
COPPER, blood/ CREATININE, blood/ HEMATOCRIT/ HEMOGLOBINS/ HUMAN/ IRON, blood/ *MENSTRUATION/ *OVULATION

3742. **Stolzenbach G, Garbrecht M, Müllerleile U:** Intermittierende Chlorambucil-Prednison-Therapie niedrig maligner Non-Hodgkin-Lymphome und zyklische Induktionschemotherapie mit COP-Bleomycin hochmaligner Non-Hodgkin-Lymphome nach der Kiel-Klassifikation. Verh Dtsch Ges Inn Med (84):177–80, 1978 **(Ger)**
BLEOMYCIN, therapeutic use/ CHLORAMBUCIL, therapeutic use/ DRUG THERAPY, COMBINATION/ *LYMPHOMA, classification/ LYMPHOMA, drug therapy/ NEOPLASM INVASIVENESS/ NEOPLASM STAGING/ PREDNISONE, therapeutic use

3743. **Stone AR, Miln DC:** Thyroglossal cyst carcinoma. Case presentation and a review of normal thyroglossal cysts. Br J Clin Pract 32(8):233–7, Aug 78
*ADENOCARCINOMA, PAPILLARY, pathology/ ADULT/ CASE REPORT/ *CHORISTOMA, pathology/ FEMALE/ HUMAN/ *THYROGLOSSAL CYST, pathology/ THYROID GLAND/ *THYROID NEOPLASMS, pathology

3744. **Stone EA, Freedman LS, Morgano LE:** Brain and adrenal tyrosine hydroxylase activity after chronic footshock stress. Pharmacol Biochem Behav 9(4):551–3, Oct 78
*ADRENAL GLANDS, enzymology/ ANIMAL/ *BRAIN, enzymology/ ELECTROSHOCK/ MALE/ RATS/ *STRESS, PSYCHOLOGICAL, enzymology/ *TYROSINE HYDROXYLASE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3745. **Stone TW, Taylor DA:** Clonidine as an adenosine antagonist. J Pharm Pharmacol 30(12):792–3, Dec 78
*ADENOSINE, antagonists & inhibitors/ ANIMAL/ *CLONIDINE, pharmacodynamics/ IN VITRO/ MOTOR NEURONS, drug effects/ RATS/ SEROTONIN, pharmacodynamics/ TIME FACTORS

3746. **Storm-Mathisen J:** Localization of putative transmitters in the hippocampal formation: with a note on the connections to septum and hypothalamus. Ciba Found Symp (58):49–86, 1977

ACETYLCHOLINE, metabolism/ ACETYLCHOLINESTERASE, metabolism/ ANIMAL/ CHOLINE ACETYLTRANSFERASE, metabolism/ DOPAMINE, metabolism/ GLUTAMATES, metabolism/ GABA, metabolism/ *HIPPOCAMPUS, enzymology/ HISTAMINE, metabolism/ NEURAL INHIBITION/ NEURAL PATHWAYS, enzymology/ *NEUROHUMORS, metabolism/ NOREPINEPHRINE, metabolism/ PEPTIDES, metabolism/ RAPHE NUCLEI, enzymology/ *SEPTUM PELLUCIDUM, enzymology/ SEROTONIN, metabolism/ SYNAPTIC RECEPTORS, metabolism/ TRYPTOPHAN HYDROXYLASE, metabolism

3747. **Storozhuk AIa, Nikonenko EM:** Sezonnaia dinamika soderzhaniia nekotorykh mikroélementov u saldy. Biol Nauki (12):84–8, 1978 **(Rus)**
ANIMAL/ FEMALE/ *FISHES, metabolism/ LIVER, metabolism/ MALE/ MUSCLES, metabolism/ OVARY, metabolism/ *SEASONS/ TESTIS, metabolism/ *TRACE ELEMENTS, metabolism

3748. **Stowe GC 3d, Zakov ZN, Albert DM:** Central retinal vascular occlusion associated with oral contraceptives. Am J Ophthalmol 86(6):798–801, Dec 78
ADULT/ *ARTERIAL OCCLUSIVE DISEASES, chemically induced/ ARTERIAL OCCLUSIVE DISEASES, pathology/ CASE REPORT/ *CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, SYNTHETIC, adverse effects/ FEMALE/ HUMAN/ OPTIC NERVE, pathology/ PREGNANCY/ *RETINAL ARTERY, drug effects/ *RETINAL DISEASES, chemically induced/ *RETINAL VEIN, drug effects/ RETINAL VEIN, pathology

3749. **Straková M, Nováková J:** Význam určování spektra 17 ketosteroidu v moči dětí a mladistvých. Cesk Pediatr 33(10):610–2, Oct 78 (Eng. Abstr.) **(Cze)**
ADOLESCENCE/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *17-KETOSTEROIDS, urine

3750. **Strange PG:** A method for measuring relative changes in guanosine 3':5'-cyclic monophosphate in mouse neuroblastoma cells on muscarinic cholinergic stimulation. Biochem J 176(2):583–90, 15 Nov 78
*CARBACHOL, pharmacodynamics/ CELL LINE/ CHROMATOGRAPHY/ GUANINE, metabolism/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, isolation & purification/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ METHODS/ NEUROBLASTOMA, metabolism/ NEURONS, drug effects/ *NEURONS, metabolism

3751. **Strauer BE, Beer K, Bürger S, et al:** Steroid-Kardiomyopathie: Experimentelle Erzeugung, Nachweis und Quantifizierung ihrer hämodynamischen und kontraktilen Auswirkungen. Verh Dtsch Ges Inn Med (84):679–82, 1978 **(Ger)**
ANIMAL/ CATS/ *DEXAMETHASONE, adverse effects/ *HEART VENTRICLE, drug effects/ MYOCARDIAL CONTRACTION, drug effects/ MYOCARDIAL DISEASES, chemically induced/ MYOCARDIUM, ultrastructure

3752. **Strbák V, Macho L, Uherčík D, et al:** The effect of lactation on thyroid activity of women. Endokrinologie 72(2):183–7, May 78
ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/ *LACTATION/ PREGNANCY/ PUERPERIUM/ *THYROID GLAND, physiology/ THYROTROPIN, blood/ THYROXINE, blood/ TIME FACTORS/ TRIIODOTHYRONINE, blood

3753. **Strohmeyer G:** Eisenspeicherkrankheiten. Haematol Bluttransfus 21:163–70, 1978 (16 ref.) **(Ger)**
ARRHYTHMIA, complications/ BLOODLETTING/ DEFEROXAMINE, therapeutic use/ DIABETES MELLITUS, complications/ FERRITIN, metabolism/ FSH, metabolism/ *HEMOCHROMATOSIS, diagnosis/ HEMOCHROMATOSIS, therapy/ HUMAN/ IRON, metabolism/ LIVER DISEASES, complications/ LIVER, pathology/ LH, metabolism/ PROGNOSIS/ REVIEW/ TESTOSTERONE, metabolism

3754. **Stroud RE:** Estimation of urinary oestrogens. Med Lab Sci 35(4):319, Oct 78
ESTRIOL, blood/ ESTRIOL, urine/ *ESTROGENS, urine/ FEMALE/ HUMAN/ PREGNANCY/ TIME FACTORS

3755. **Strumeliev S:** Arzneimittel-induzierter Bronchospasmus. Allerg Immunol (Leipz) 24(4):259–63, 1978 (Eng. Abstr.) **(Ger)**
ADRENAL CORTEX HORMONES, adverse effects/ *ASPIRIN, adverse effects/ ASTHMA, drug therapy/ BRONCHI, enzymology/ *BRONCHIAL SPASM, chemically induced/ DRUG HYPERSENSITIVITY, familial & genetic/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ PANCURONIUM, therapeutic use/ PEPTIDE HYDROLASES, metabolism/ PROTEINS, adverse effects/ TARTRAZINE, adverse effects/ THIOPENTAL, adverse effects

3756. **Stuart C, Aceto T Jr, Kuhn JP, et al:** Intrauterine hyperparathyroidism. Postmortem findings in two cases. Am J Dis Child 133(1):67–70, Jan 79
CASE REPORT/ *DISEASES IN TWINS/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, SECONDARY, etiology/ HYPERPARATHYROIDISM, SECONDARY, familial & genetic/ *HYPERPARATHYROIDISM, SECONDARY, pathology/ HYPOCALCEMIA, complications/ INFANT/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, etiology/ INFANT, NEWBORN, DISEASES, familial & genetic/ *INFANT, NEWBORN, DISEASES, pathology/ MALE/ PREGNANCY COMPLICATIONS/ PREGNANCY

3757. **Stucki JW:** The efficiency of oxidative phosphorylation. pp. 264–87.
In: Schafer G, Klingenberg M, ed. Energy conservation in biological membranes. Berlin, Springer-Verlag, 1978. W3 MO87 29th 1978e.
ADENOSINE TRIPHOSPHATE, biosynthesis/ CALCIUM, metabolism/ CHEMISTRY/ HYDROGEN, metabolism/ KINETICS/ MATHEMATICS/ *MITOCHONDRIA, metabolism/ MONOGRAPH/ *OXIDATIVE PHOSPHORYLATION/ THERMODYNAMICS

3758. **Studd JW, Chakravarti S, Collins WP:** Plasma hormone profiles after the menopause and bilateral oöphorectomy. Postgrad Med J 54(2):25–30, 1978
AGED/ ANDROSTENEDIONE, blood/ *CASTRATION/ ESTRADIOL, blood/ ESTRONE, blood/ FEMALE/ *FSH, blood/ HUMAN/ HYSTERECTOMY/ *LH, blood/ *MENOPAUSE/ MIDDLE AGE/ TESTOSTERONE, blood/ TIME FACTORS

3759. **Studer H:** Hyperthyreose; Einleitungsreferat. Langenbecks Arch Chir 347:119–23, Nov 78 (Eng. Abstr.) **(Ger)**
ENGLISH ABSTRACT/ GOITER, EXOPHTHALMIC, pathology/ *GOITER, EXOPHTHALMIC, surgery/ GOITER, NODULAR, pathology/ *GOITER, NODULAR, surgery/ HUMAN/ HYPERTHYROIDISM, pathology/ *HYPERTHYROIDISM, surgery/ HYPOTHYROIDISM, etiology/ POSTOPERATIVE COMPLICATIONS

3760. **Studer H, Bürgi H, König MP:** Die klinische Bedeutung der 'sub- oder präklinischen' Hyperthyreose. Schweiz Med Wochenschr 108(51):2029–33, 23 Dec 78 (Eng. Abstr.) **(Ger)**
AGE FACTORS/ AGED/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ HYPERTHYROIDISM, blood/ *HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, etiology/ HYPERTHYROIDISM, therapy/ MALE/ MIDDLE AGE/ THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

3761. **Study RE, Breakefield XO, Bartfai T, et al:** Voltage-sensitive calcium channels regulate guanosine 3',5'-cyclic monophosphate levels in neuroblastoma cells. Proc Natl Acad Sci USA 75(12):6295–9, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ CARBACHOL, pharmacodynamics/ CELL LINE/ COBALT, pharmacodynamics/ D 600, pharmacodynamics/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/

*ION CHANNELS, physiology/ MEMBRANE POTENTIALS, drug effects/ *NEURONS, metabolism/ POTASSIUM, pharmacodynamics/ RECEPTORS, MUSCARINIC, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VERATRIDINE, pharmacodynamics

3762. **Stünkel K, Münster W:** Die Blutgefässversorgung des Thymus und der Schilddrüse von Meriones unguiculatus (Milne Edwards 1867). Z Versuchstierkd 20(6):310–20, 1978 (Eng. Abstr.) **(Ger)**
ANIMAL/ ARTERIES, anatomy & histology/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ *GERBILS, anatomy & histology/ MALE/ THYMUS GLAND, anatomy & histology/ *THYMUS GLAND, blood supply/ *THYROID GLAND, blood supply/ VEINS, anatomy & histology

3763. **Stursberg W, Dieckmann J:** Die Arteriitis temporalis. Dtsch Zahnaerztl Z 33(11):770, Nov 78 **(Ger)**
AGED/ BIOPSY/ BLINDNESS, etiology/ FEMALE/ HUMAN/ MALE/ OPHTHALMIC ARTERY, pathology/ PREDNISOLONE, therapeutic use/ TEMPORAL ARTERIES, pathology/ TEMPORAL ARTERIES, surgery/ *TEMPORAL ARTERITIS, pathology

3764. **Stutman O:** Intrathymic and extrathymic T cell maturation. Transplant Rev 42:138–84, 1978 (164 ref.)
ANIMAL/ BONE MARROW, cytology/ CELL MOVEMENT/ CELL SURVIVAL/ CHROMOSOMES/ H-2 ANTIGENS/ HEMATOPOIETIC STEM CELLS, transplantation/ HYDROCORTISONE, pharmacodynamics/ IMMUNE TOLERANCE/ LIVER, cytology/ LYMPH NODES, cytology/ MICE/ MICE, INBRED CBA/ MICE, NUDE/ MITOGENS, pharmacodynamics/ REVIEW/ T-LYMPHOCYTES, drug effects/ *T-LYMPHOCYTES, immunology/ T-LYMPHOCYTES, ultrastructure/ THYMECTOMY/ *THYMUS GLAND, cytology/ THYMUS GLAND, immunology/ THYMUS GLAND, transplantation/ TRANSPLANTATION, ISOGENEIC/ UNITED STATES GOV'T SUPPORTED, P.H.S./ YOLK SAC, cytology

3765. **Stüttgen G, Pleier MG, De Souza E, et al:** The reaction of the normal and pathologically changed skin to tangential vibration; effect of drugs on this reaction. Arch Dermatol Res 263(2):139–52, 10 Nov 78
ADRENAL CORTEX HORMONES, pharmacodynamics/ ANESTHESIA, GENERAL/ ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ EDEMA, chemically induced/ ERYTHEMA, etiology/ HISTAMINE H1 RECEPTOR BLOCKADERS, pharmacodynamics/ HUMAN/ NICOTINIC ACIDS, pharmacodynamics/ *SKIN/ URTICARIA/ *VIBRATION

3766. **Stygles VG, Commassaris RA, Rech RH, et al:** The effect of indoprofen on phenylquinone-writhing and prostaglandin synthesis. Arch Int Pharmacodyn Ther 235(1):43–50, Sep 78
*ANALGESICS/ ANIMAL/ INDOPROFEN, blood/ *INDOPROFEN, pharmacodynamics/ KIDNEY, metabolism/ MALE/ MICE/ *PHENYLPROPIONATES, pharmacodynamics/ *PROSTAGLANDINS, biosynthesis/ QUINONES, antagonists & inhibitors/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3767. **Sugaya E, Onozuka M:** Unequal distribution of calcium and magnesium of snail neuron. Experientia 34(10):1299–301, 15 Oct 78
ANIMAL/ AXONS, metabolism/ *CALCIUM, metabolism/ ELECTRON PROBE MICROANALYSIS/ GANGLIA, cytology/ *MAGNESIUM, metabolism/ *NEURONS, metabolism/ SNAILS/ SYNAPSES, metabolism

3768. **Sugerman RA, Demski LS:** Agonistic behavior elicited by electrical stimulation of the brain in western collared lizards, Crotaphytus collaris. Brain Behav Evol 15(5–6):446–69, 1978
*AGGRESSION, physiology/ *AGONISTIC BEHAVIOR, physiology/ AMYGDALOID BODY, physiology/ ANESTHETICS, pharmacodynamics/ ANIMAL/ BRAIN, drug effects/ *BRAIN, physiology/ CEREBRAL VENTRICLES, physiology/ DIFFERENTIAL THRESHOLD/ *ELECTRIC STIMULATION/ ESCAPE REACTION, physiology/ FEMALE/ HYPOTHALAMUS, physiology/ *LIZARDS, physiology/ MALE/ MESENCEPHALON, physiology/ PARAVENTRICULAR NUCLEUS, physiology/ PREOPTIC AREA, physiology/ RETICULAR FORMATION, physiology/ SEPTUM PELLUCIDUM, physiology/ THALAMUS, physiology

3769. **Sugimori H, Kashimura Y, Kashimura M, et al:** Nuclear DNA content of trophoblastic tumors. Acta Cytol (Baltimore) 22(6):542–5, Nov–Dec 78
CELL NUCLEUS, analysis/ *CHORIOCARCINOMA, analysis/ COMPARATIVE STUDY/ *DNA, analysis/ FEMALE/ GONADOTROPINS, CHORIONIC, urine/ HUMAN/ *HYDATIDIFORM MOLE, analysis/ PREGNANCY/ TROPHOBLAST, analysis/ *TROPHOBLASTIC TUMOR, analysis/ TROPHOBLASTIC TUMOR, urine/ *UTERINE NEOPLASMS, analysis/ UTERINE NEOPLASMS, urine

3770. **Sulakhe PV, Narayanan N:** Differential effects of non-ionic detergents on microsomal and sarcolemmal adenylate cyclase in cardiac muscle. Biochem J 175(1):171–80, 1 Oct 78
*ADENYL CYCLASE, metabolism/ ANIMAL/ *DETERGENTS, pharmacodynamics/ FEMALE/ GUANYLYL IMIDODIPHOSPHATE, pharmacodynamics/ GUINEA PIGS/ HEART, drug effects/ IN VITRO/ INTRACELLULAR MEMBRANES, enzymology/ ISOPROTERENOL, pharmacodynamics/ *MICROSOMES, enzymology/ *MYOCARDIUM, enzymology/ PROTEINS, metabolism/ *SARCOLEMMA, enzymology/ SODIUM FLUORIDE, pharmacodynamics

3771. **Sullivan AT, Petch MC, Nayler WG:** Species differences in catecholamine uptake and storage, cyclic AMP levels and adenyl cyclase activity in heart muscle. Comp Biochem Physiol [C] 61 C(2):353–6, 1978
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT/ *CATECHOLAMINES, metabolism/ COMPARATIVE STUDY/ EXERTION/ GUINEA PIGS/ *MYOCARDIUM, metabolism/ NOREPINEPHRINE, metabolism/ RATS/ SPECIES SPECIFICITY/ SWIMMING

3772. **Sullivan M, Boileau M, Hodges CV:** Adrenal cortical carcinoma. J Urol 120(6):660–5, Dec 78
ADOLESCENCE/ *ADRENAL CORTEX NEOPLASMS/ ADRENAL CORTEX NEOPLASMS, diagnosis/ ADRENAL CORTEX NEOPLASMS, pathology/ ADRENAL CORTEX NEOPLASMS, therapy/ ADULT/ AGED/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ MALE/ MIDDLE AGE/ NEOPLASM STAGING/ RETROSPECTIVE STUDIES

3773. **Summitt RL, Tipton RE, Wilroy RS Jr, et al:** X-autosome translocations: a review. Birth Defects 14(6C):219–47, 1978 (60 ref.)
CHROMOSOMES, HUMAN, ultrastructure/ CHROMOSOMES, HUMAN, 13–15/ CHROMOSOMES, HUMAN, 21–22/ CHROMOSOMES, HUMAN, 6–12/ HUMAN/ KARYOTYPING/ MOSAICISM/ PHENOTYPE/ REVIEW/ *SEX CHROMOSOMES/ SYNDROME/ *TRANSLOCATION (GENETICS)/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *X CHROMOSOME

3774. **Sumpter JP, Jenkins N, Dodd JM:** Hormonal control of steroidogenesis in an elasmobranch fish (Scyliorhinus canicula L.): studies using a specific anti-gonadotrophic antibody [proceedings] J Endocrinol 79(2):28P–29P, Nov 78
ANIMAL/ *DOGFISH, physiology/ *GONADOTROPINS, PITUITARY, physiology/ *PITUITARY GLAND, physiology/ *SEX HORMONES, biosynthesis/ *SHARKS, physiology

3775. **Sumpter JP, Jenkins N, Dodd JM:** Gonadotrophic hormone in the pituitary gland of the dogfish (Scyliorhinus canicula L): distribution and physiological significance. Gen Comp Endocrinol 36(2):275–85, Oct 78
ANDROGENS, blood/ ANIMAL/ BIOLOGICAL ASSAY/ CHICKENS/ DOGFISH/ *GONADOTROPINS, physiology/ HYPOPHYSECTOMY/ MALE/ *PITUITARY GLAND, physiology/ TESTIS, drug effects/ TISSUE EXTRACTS, pharmacodynamics

3776. **Sumpter JP, Follett BK, Jenkins N, et al:** Studies on the purification and properties of gonadotrophin from ventral lobes of the pituitary gland of the dogfish (Scyliorhinus canicula L.). Gen Comp Endocrinol 36(2):264–74, Oct 78
ANIMAL/ BIOLOGICAL ASSAY/ CHICKENS/ CHROMATOGRAPHY, AFFINITY/ DOGFISH/ GLYCOPROTEINS, isolation & purification/ *GONADOTROPINS, isolation & purification/ GONADOTROPINS, pharmacodynamics/ MALE/ *PITUITARY GLAND, analysis/ TESTIS, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3777. **Sunahara FA, Talesnik J:** Myocardial synthesis of prostaglandin-like substances and coronary reactions to cardiostimulation and to hypoxia. Br J Pharmacol 65(1):71–85, Jan 79
ANIMAL/ ARACHIDONIC ACIDS, pharmacodynamics/ CALCIUM CHLORIDE, pharmacodynamics/ *CORONARY CIRCULATION/ *CORONARY DISEASE, physiopathology/ ELECTRIC STIMULATION/ *HEART, physiology/ MALE/ *MYOCARDIUM, metabolism/ PROSTAGLANDINS E, pharmacodynamics/ *PROSTAGLANDINS, biosynthesis/ RATS/ TIME FACTORS

3778. **Sundmacher R:** Trifluorthymidinprophylaxe bei der Steroidtherapie herpetischer Keratouveitiden. Klin Monatsbl Augenheilkd 173(4):516–9, Oct 78 (Eng. Abstr.) **(Ger)**
CLINICAL RESEARCH/ *DEXAMETHASONE, administration & dosage/ DOUBLE-BLIND METHOD/ DRUG EVALUATION/ ENGLISH ABSTRACT/ HUMAN/ *KERATITIS, DENDRITIC, prevention & control/ OPHTHALMIC SOLUTIONS/ *THYMIDINE, analogs & derivatives/ *TRIFLUOROTHYMIDINE, therapeutic use/ *UVEITIS, drug therapy

3779. **Sundmacher R, Cantell K, Haug P, et al:** Interferon-Prophylaxe von Dendritica-Rezidiven bei lokaler Steroidtherapie. Ber Zusammenkunft Dtsch Ophthalmol Ges (75):344–6, 1978 **(Ger)**
ANIMAL/ CERCOPITHECUS/ CLINICAL RESEARCH/ *DEXAMETHASONE, administration & dosage/ DOUBLE-BLIND METHOD/ HUMAN/ *HYDROCORTISONE, administration & dosage/ *INTERFERON, therapeutic use/ KERATITIS, DENDRITIC, drug therapy/ *KERATITIS, DENDRITIC, prevention & control/ MONKEYS/ RECURRENCE

3780. **Suominen JJ, Nikkanen V, Multamäki S, et al:** Prolactin in azoospermic men and its relation to testicular morphology, serum testosterone and gonadotrophin levels. Andrologia 11(1):15–7, Jan 79
FSH, blood/ *GONADOTROPINS, PITUITARY, blood/ HUMAN/ LH, blood/ MALE/ *OLIGOSPERMIA, blood/ OLIGOSPERMIA, pathology/ *PROLACTIN, blood/ *TESTIS, pathology/ *TESTOSTERONE, blood

3781. **Sussman BJ:** Proceedings of the Annual Scientific Meeting of the International Medical Society of Paraplegia held at Stoke Mandeville from 28–30 July 1977 (Part II). Fracture dislocation of the cervical spine: a critique of current management in the United States. Paraplegia 16(1):15–38, May 78
ACCIDENTS, TRAFFIC/ ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ATHLETIC INJURIES, therapy/ DIAGNOSTIC ERRORS/ DISLOCATIONS, radiography/ *DISLOCATIONS, therapy/ EMERGENCY SERVICE, HOSPITAL/ FEMALE/ FRACTURE FIXATION/ FRACTURES, radiography/ *FRACTURES, therapy/ HUMAN/ LAMINECTOMY/ MALE/ MIDDLE AGE/ SPINAL CORD INJURIES, radiography/ SPINAL CORD INJURIES, therapy/ SPINAL FUSION/ SPINAL INJURIES, radiography/ *SPINAL INJURIES, therapy/ TRACTION/ UNITED STATES

3782. **Suter H:** Dermovate in der dermatologischen Praxis. Gesamtschweizerische Studie über ein neues Lokalkortikosteroid. Ther Umsch 35(11):934–9, Nov 78 (Eng. Abstr.) **(Ger)**
ADMINISTRATION, TOPICAL/ *BETAMETHASONE, analogs & derivatives/ CLOBETASOL, administration & dosage/ *CLOBETASOL, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *SKIN DISEASES, drug therapy

3783. **Sutherland GR:** Carrier detection in X-linked mental retardation [letter] Med J Aust 2(14):624, 30 Dec 78
ADOLESCENCE/ ADULT/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ MALE/ MENTAL RETARDATION, diagnosis/ *MENTAL RETARDATION, familial & genetic/ SEX CHROMOSOMES

3784. **Sutherland RJ, Nakajima S:** Enhancement and suppression of self-stimulation after ventromedial hypothalamic lesions. Can J Psychol 32(2):86–94, Jun 78
ANIMAL/ CONDITIONING, OPERANT, physiology/ FEEDING BEHAVIOR, physiology/ *HYPOTHALAMUS, physiology/ *HYPOTHALAMUS, MEDIAL, physiology/ MALE/ MOTOR ACTIVITY, physiology/ RATS/ REACTION TIME/ *SELF STIMULATION, physiology/ TEGMENTUM MESENCEPHALI, physiology/ TIME FACTORS

3785. **Suzuki M, Kato T, Imaeda T, et al:** [Bone scintigraphy--abnormal RI accumulation in soft tissue metastasis from osteosarcoma with 99Tc-MDP (author's transl)] Rinsho Hoshasen 24(1):171–2, Jan 79 **(Jpn)**
ADULT/ *BONE AND BONES, radionuclide imaging/ *BONE NEOPLASMS, radionuclide imaging/ CASE REPORT/ HUMAN/ MALE/ NEOPLASM METASTASIS/ *SARCOMA, OSTEOGENIC, radionuclide imaging/ *SOFT TISSUE NEOPLASMS, radionuclide imaging/ *TECHNETIUM, diagnostic use

3786. **Svedmyr N, Simonsson BG:** Drugs in the treatment of asthma. Pharmacol Ther [B] 3(4):397–440, 1978 (428 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADRENERGIC ALPHA RECEPTOR AGONISTS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR AGONISTS, adverse effects/ ADRENERGIC BETA RECEPTOR AGONISTS, therapeutic use/ ANIMAL/ *ASTHMA, drug therapy/ CORTICOTROPIN, therapeutic use/ DISODIUM CROMOGLYCATE, adverse effects/ DISODIUM CROMOGLYCATE, metabolism/ DISODIUM CROMOGLYCATE, therapeutic use/ DRUG THERAPY, COMBINATION/ GLUCOCORTICOIDS, therapeutic use/ GLUCOCORTICOIDS, SYNTHETIC, metabolism/ GLUCOCORTICOIDS, SYNTHETIC, therapeutic use/ HISTAMINE H1 RECEPTOR BLOCKADERS, therapeutic use/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ PARASYMPATHOLYTICS, therapeutic use/ PROSTAGLANDINS E, therapeutic use/ REVIEW/ THEOPHYLLINE, analogs & derivatives/ THEOPHYLLINE, adverse effects/ THEOPHYLLINE, metabolism/ THEOPHYLLINE, therapeutic use

3787. **Swaiman KF, Frank Y:** Seizure headaches in children. Dev Med Child Neurol 20(5):580–5, Oct 78
ADOLESCENCE/ ANTICONVULSANTS, therapeutic use/ AUTONOMIC NERVOUS SYSTEM, physiopathology/ CHILD/ *CONVULSIONS, complications/ CONVULSIONS, physiopathology/ DIAGNOSIS, DIFFERENTIAL/ ELECTROENCEPHALOGRAPHY/ FEMALE/ HEADACHE, complications/ HEADACHE, diagnosis/ HEADACHE, drug therapy/ *HEADACHE, etiology/ HEADACHE, physiopathology/ HUMAN/ HYPOTHALAMUS, physiopathology/ MALE/ NAUSEA, etiology/ TIME FACTORS

3788. **Swaminathan N, Braunstein GD:** Location of major antigenic sites of the beta subunit of human chorionic gonadotropin. Biochemistry 17(26):5832–8, 26 Dec 78
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ *ANTIGENIC DETERMINANTS/ CHYMOTRYPSIN/ DISULFIDES, analysis/ *GONADOTROPINS, CHORIONIC/ GONADOTROPINS, CHORIONIC, immunology/ HUMAN/ MACROMOLECULAR SYSTEMS/ PEPTIDE FRAGMENTS, analysis/ RADIOIMMUNOASSAY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3789. **Swan C, Abe K, Critchlow V:** Effects of age of blinding on rhythmic pituitary-adrenal function in female rats. Neuroendocrinology 27(3–4):175–85, 1978

AGE FACTORS/ ANIMAL/ *BLINDNESS, blood/ *CIRCADIAN RHYTHM/ *CORTICOSTERONE, blood/ EYE, physiology/ FEMALE/ LIGHT/ *PITUITARY-ADRENAL SYSTEM, physiopathology/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VISUAL PATHWAYS, physiology

3790. **Swank RT:** Roles of growth hormone and testosterone in the synthesis of mouse kidney glucuronidase.
Mol Cell Endocrinol 12(2):139–49, Nov 78
ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME INDUCTION, drug effects/ FEMALE/ *GLUCURONIDASE, biosynthesis/ HYPERTROPHY/ HYPOPHYSECTOMY/ KIDNEY, drug effects/ *KIDNEY, enzymology/ KIDNEY, pathology/ MICE/ *SOMATOTROPIN, pharmacodynamics/ *TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3791. **Swank RT, Paigen K, Davey R, et al:** Genetic regulation of mammalian glucuronidase. Recent Prog Horm Res 34:401–36, 1978 (95 ref.)
ANDROGENS, SYNTHETIC, pharmacodynamics/ ANIMAL/ ENZYME INDUCTION, drug effects/ FEMALE/ *GENES, REGULATOR/ GLUCURONIDASE, biosynthesis/ *GLUCURONIDASE, genetics/ KIDNEY, enzymology/ LYSOSOMES, enzymology/ MALE/ MICE/ MUTATION/ PIGMENTATION/ PITUITARY GLAND, physiology/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3792. **Swanson JA, Sherman BM, Van Gilder JC, et al:** Coexistent empty sella and prolactin-secreting microadenoma.
Obstet Gynecol 53(2):258–63, Feb 79
*ADENOMA, complications/ ADENOMA, radiography/ ADENOMA, secretion/ ADULT/ CASE REPORT/ *EMPTY SELLA SYNDROME, complications/ FEMALE/ GALACTORRHEA, etiology/ HUMAN/ *PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, radiography/ PITUITARY NEOPLASMS, secretion/ PITUITARY-ADRENAL FUNCTION TESTS/ PNEUMOENCEPHALOGRAPHY/ PROLACTIN, blood/ *PROLACTIN, secretion

3793. **Swanson LW:** The anatomical organization of septo-hippocampal projections. Ciba Found Symp (58):25–48, 1977
AMYGDALOID BODY, anatomy & histology/ ANIMAL/ BRAIN MAPPING/ CEREBELLAR NUCLEI, anatomy & histology/ *HIPPOCAMPUS, anatomy & histology/ HUMAN/ HYPOTHALAMUS, anatomy & histology/ MESENCEPHALON, anatomy & histology/ NEURAL PATHWAYS, anatomy & histology/ SEPTAL NUCLEI, anatomy & histology/ *SEPTUM PELLUCIDUM, anatomy & histology/ THALAMUS, anatomy & histology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3794. **Swerts JP, Perdrisot R, Malfroy B, et al:** Is 'enkephalinase' identical with 'angiotensin-converting enzymes'?
Eur J Pharmacol 53(2):209–10, 1 Jan 79
ANIMAL/ ENKEPHALINS/ IN VITRO/ *KININASE II/ MICE/ *PEPTIDE PEPTIDOHYDROLASES

3795. **Sychov MD, Gladkova SS:** Iod-rivanolovaia indikatsiia varikozno rasshirennykh ven nizhnikh konechnostei.
Khirurgiia (Mosk) (1):101, Jan 79 **(Rus)**
HUMAN/ *IODINE, diagnostic use/ VARICOSE VEINS, diagnosis/ *VARICOSE VEINS, surgery

3796. **Symons C, Myers A, Kingstone D, et al:** Response to thyrotrophin-releasing hormone in atrial dysrhythmias.
Postgrad Med J 54(636):658–62, Oct 78
ADULT/ AGED/ ARRHYTHMIA, etiology/ *ARRHYTHMIA, physiopathology/ AURICULAR FIBRILLATION, etiology/ AURICULAR FIBRILLATION, physiopathology/ AUTOANTIBODIES, analysis/ CORONARY DISEASE, physiopathology/ FEMALE/ HEART ATRIUM, physiopathology/ HUMAN/ HYPERTHYROIDISM, complications/ *HYPERTHYROIDISM, diagnosis/ MALE/ MIDDLE AGE/ THYROID GLAND, immunology/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, blood/ THYROXINE, blood

3797. **Szamier RB, Berson EL, Klein R, et al:** Sex-linked retinitis pigmentosa: ultrastructure of photoreceptors and pigment epithelium. Invest Ophthalmol Vis Sci 18(2):145–60, Feb 79
ADOLESCENCE/ ADULT/ AGED/ CASE REPORT/ CHILD/ DARK ADAPTATION/ FEMALE/ FUNDUS OCULI/ HUMAN/ MALE/ MESOTHELIOMA, complications/ MIDDLE AGE/ PIGMENT EPITHELIUM OF EYE, pathology/ *PIGMENT EPITHELIUM OF EYE, ultrastructure/ PLEURAL NEOPLASMS, complications/ RETINA, pathology/ *RETINA, ultrastructure/ RETINITIS PIGMENTOSA, diagnosis/ RETINITIS PIGMENTOSA, familial & genetic/ *RETINITIS PIGMENTOSA, pathology/ RODS AND CONES, pathology/ *RODS AND CONES, ultrastructure/ SEX CHROMOSOMES/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3798. **Szczurek Z, Smigla K, Ciołkosz I, et al:** Obraz patomorfologiczny narządów wewnętrznych szczurów po długotrwałym stosowaniu neuroleptyków. Patol Pol 29(3):347–58, Jul-Sep 78 (Eng. Abstr.) **(Pol)**
*ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, pathology/ ANIMAL/ BENPERIDOL, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ FLUPHENAZINE, toxicity/ HYPERTROPHY, chemically induced/ MALE/ PIMOZIDE, pharmacodynamics/ PREGNANCY/ RATS/ TIME FACTORS/ *TRANQUILIZING AGENTS, MAJOR, pharmacodynamics

3799. **Székely JI, Dunai-Kovács Z, Miglécz E, et al:** In vivo antagonism by naloxone of morphine, beta-endorphin and a synthetic enkephalin analog. J Pharmacol Exp Ther 207(3):878–83, Dec 78
ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ENDORPHINS, antagonists & inhibitors/ *ENKEPHALINS, antagonists & inhibitors/ MALE/ MICE/ *MORPHINE, antagonists & inhibitors/ *NALOXONE, pharmacodynamics/ RATS/ REACTION TIME, drug effects

3800. **Szoka PR, Paigen K:** Regulation of mouse major urinary protein production by the Mup-A gene. Genetics 90(3):597–612, Nov 78
ANIMAL/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ *GENES, REGULATOR/ GENES, REGULATOR, drug effects/ GENES, STRUCTURAL/ MICE/ *MICE, INBRED STRAINS, genetics/ POLYMORPHISM (GENETICS)/ *PROTEINURIA/ *TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3801. **Szymaczek-Meyer L, Westfal I, Zawieja M, et al:** Ocena działania wybranych środków dezynfekcyjnych z grupy jodoforów oraz preparatów zawierających chlorheksydynę na prątki gruźlicy typu ludzkiego. Pneumonol Pol 47(1):41–6, Jan 79 (Eng. Abstr.) **(Pol)**
*BIGUANIDES, pharmacodynamics/ *CHLORHEXIDINE, pharmacodynamics/ DRUG RESISTANCE, MICROBIAL/ ENGLISH ABSTRACT/ HUMAN/ *IODINE, pharmacodynamics/ *IODOPHORS, pharmacodynamics/ *MYCOBACTERIUM TUBERCULOSIS, drug effects

T

3802. **Tabakoff B, Hoffman PL:** Development of functional dependence on ethanol in dopaminergic systems.
J Pharmacol Exp Ther 208(2):216–22, Feb 79
ADENYL CYCLASE, metabolism/ *ALCOHOL, ETHYL, pharmacodynamics/ ALCOHOLISM, metabolism/ ANIMAL/ CORPUS STRIATUM, drug effects/ *CORPUS STRIATUM, metabolism/ DOPAMINE, pharmacodynamics/ *DOPAMINE, physiology/ DRUG TOLERANCE/ DRUG WITHDRAWAL SYMPTOMS, metabolism/ LIMBIC SYSTEM, drug effects/ *LIMBIC SYSTEM, metabolism/ MALE/ MICE/ MICE, INBRED C57BL/ SPIPERONE, metabolism/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3803. **Tada M, Ohmori F, Yamada M, et al:** Mechanism of the stimulation of Ca2+-dependent ATPase of cardiac sarcoplasmic reticulum by adenosine 3':5'-monophosphate-dependent protein kinase. Role of the

22,000-dalton protein. J Biol Chem 254(2):319–26, 25 Jan 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE TRIPHOSPHATASE, CALCIUM, metabolism/ ANIMAL/ DOGS/ ENZYME ACTIVATION/ EDTA, pharmacodynamics/ HEART VENTRICLE, enzymology/ KINETICS/ MAGNESIUM, pharmacodynamics/ MICROSOMES, enzymology/ MOLECULAR WEIGHT/ *MYOCARDIUM, enzymology/ *PROTEIN KINASE, metabolism/ *SARCOPLASMIC RETICULUM, enzymology

3804. **Takagi T, Fukuoka H, Nagai H, et al:** Basic study on cerebral vasospasm: Ca2+ movement during contraction-relaxation of isolated basilar arteries. Neurol Med Chir (Tokyo) 19(1):45–52, Jan 79
ANIMAL/ *BASILAR ARTERY, metabolism/ BASILAR ARTERY, physiology/ BASILAR ARTERY, ultrastructure/ *CALCIUM, metabolism/ CATTLE/ IN VITRO/ *MUSCLE CONTRACTION/ *MUSCLE RELAXATION

3805. **Takahashi K, Takai T, Seino Y, et al:** Cyclic GMP binding protein of rat heart and urinary cyclic nucleotides in patients with diabetes mellitus before and after treatment. Kobe J Med Sci 24(4):177–92, Dec 78
ADULT/ ANIMAL/ *CARRIER PROTEINS, metabolism/ *DIABETES MELLITUS, metabolism/ DIABETES MELLITUS, therapy/ DIABETES MELLITUS, urine/ FEMALE/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HUMAN/ MALE/ MIDDLE AGE/ *MYOCARDIUM, metabolism/ *NUCLEOTIDES, CYCLIC, urine/ PROTEIN BINDING/ RATS

3806. **Takahashi K, Takao H, Takai T:** Adenylate cyclase in Duchenne and Fukuyama type muscular dystrophy. Kobe J Med Sci 24(4):193–8, Dec 78
*ADENYL CYCLASE, analysis/ ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ MALE/ MUSCLES, enzymology/ MUSCULAR DYSTROPHY, congenital/ *MUSCULAR DYSTROPHY, enzymology

3807. **Takahashi M, Heshiki A, Hatakeyama N, et al:** [Roentgenologic manifestations of primary macroglobulinemia (author's transl)] Rinsho Hoshasen 23(13):1493–7, Dec 78 (Eng. Abstr.) **(Jpn)**
*BONE AND BONES, radiography/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *MACROGLOBULINEMIA, radiography/ MIDDLE AGE

3808. **Takasaki Y, Horiuchi N, Suda T:** Metabolism of 25-hydroxyvitamin D3 in kidney homogenates of chicks supplemented with vitamin D3. Biochem Biophys Res Commun 85(2):601–7, 29 Nov 78
ANIMAL/ CHICKENS/ *CHOLECALCIFEROLS, pharmacodynamics/ CHROMATOGRAPHY, HIGH SPEED LIQUID/ DIHYDROXYCHOLECALCIFEROLS, biosynthesis/ *HYDROXYCHOLECALCIFEROLS, metabolism/ KIDNEY, drug effects/ *KIDNEY, metabolism/ KINETICS/ MALE/ VITAMIN D DEFICIENCY, metabolism

3809. **Takayanagi I, Hisayama T, Kasuya Y:** A difference in effects of physiological Ca2+ concentrations on activity of guanylate cyclase preparations obtained from the taenia caecum of guinea pig and from the longitudinal muscle of rat duodenum. Eur J Pharmacol 52(3–4):389–92, 1 Dec 78
AMMONIUM COMPOUNDS, pharmacodynamics/ ANIMAL/ *CALCIUM, physiology/ CECUM, enzymology/ DUODENUM, enzymology/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *GUANYL CYCLASE, metabolism/ GUINEA PIGS/ IN VITRO/ MALE/ MUSCLE PROTEINS, metabolism/ *MUSCLE, SMOOTH, enzymology/ RATS/ SEROTONIN, pharmacodynamics

3810. **Takeuchi T, Kameya T, Tsumuraya M, et al:** Development of exocrine cells of the pancreas and parotid gland in rats. Relation between morphological and biochemical changes. Digestion 18(3–4):266–79, 1978
AMYLASES, metabolism/ ANIMAL/ CYTOPLASMIC GRANULES, ultrastructure/ *DEXAMETHASONE, pharmacodynamics/ FEMALE/ MICROSCOPY, ELECTRON/ PANCREAS, embryology/ *PANCREAS, growth & development/ PANCREAS, ultrastructure/ PAROTID GLAND, embryology/ *PAROTID GLAND, growth & development/ PAROTID GLAND, ultrastructure/ PREGNANCY/ PROTEINS, metabolism/ RATS

3811. **Takigawa M, Watanabe R, Ishida H, et al:** Induction by parathyroid hormone of ornithine decarboxylase in rabbit costal chondrocytes in culture. J Biochem (Tokyo) 85(1):311–4, Jan 79
ANIMAL/ CALCITONIN, pharmacodynamics/ *CARBOXY-LYASES, biosynthesis/ CARTILAGE, drug effects/ *CARTILAGE, metabolism/ CELLS, CULTURED/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME INDUCTION, drug effects/ *ORNITHINE DECARBOXYLASE, biosynthesis/ *PARATHYROID HORMONE, pharmacodynamics/ RABBITS

3812. **Takizawa S, Hirose F:** Role of testosterone in the development of radiation-induced prostate carcinoma in rats. Gan 69(5):723–6, Oct 78
*ADENOCARCINOMA, etiology/ ANIMAL/ *CARCINOMA, MUCINOUS, etiology/ CASTRATION/ MALE/ NEOPLASMS, EXPERIMENTAL, etiology/ *NEOPLASMS, RADIATION-INDUCED, etiology/ *PROSTATIC NEOPLASMS, etiology/ RATS/ *TESTOSTERONE, pharmacodynamics

3813. **Tal E, Friedman S:** Correlation between 3',5', c-AMP levels and thyrotropin in separated rat pituitary thyrotropic cells. Experientia 34(10):1286–8, 15 Oct 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ MALE/ *PITUITARY GLAND, ANTERIOR, metabolism/ PROSTAGLANDINS E, pharmacodynamics/ RATS/ *THYROTROPIN, metabolism/ THYROTROPIN, pharmacodynamics

3814. **Talerman A, Gratama S, Miranda S, et al:** Primary carcinoid tumor of the testis: case report, ultrastructure and review of the literature. Cancer 42(6):2696–706, Dec 78 (24 ref.)
AGED/ CARCINOID TUMOR, surgery/ *CARCINOID TUMOR, ultrastructure/ CASE REPORT/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ NEOPLASM METASTASIS/ NEOPLASMS, MULTIPLE PRIMARY, surgery/ PROGNOSIS/ REVIEW/ TERATOID TUMOR, surgery/ TESTICULAR NEOPLASMS, surgery/ *TESTICULAR NEOPLASMS, ultrastructure

3815. **Talmage RV, Vander Wiel CJ, Norimatsu H:** A reevaluation of the cause of acute hypercalcemia following intravenous administration of lead acetate. Calcif Tissue Res 26(2):149–53, 8 Dec 78
ANIMAL/ BONE AND BONES, metabolism/ CALCIUM, blood/ *HYPERCALCEMIA, chemically induced/ INJECTIONS, INTRAVENOUS/ KIDNEY, metabolism/ LEAD, administration & dosage/ LEAD, metabolism/ *LEAD, toxicity/ MALE/ MUSCLES, metabolism/ PHOSPHATES, blood/ RATS/ UNITED STATES GOV'T SUPPORTED

3816. **Talmage RV, Grubb SA, Vander Wiel CJ, et al:** The demand for bone calcium in maintenance of plasma calcium concentrations. pp. 73–91.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.
AGED/ ANIMAL/ *BONE AND BONES, metabolism/ CALCIUM, blood/ *CALCIUM, metabolism/ FEMALE/ HUMAN/ MODELS, BIOLOGICAL/ MONOGRAPH/ PARATHYROID GLANDS, physiology/ PARATHYROID HORMONE, pharmacodynamics/ RATS/ THYROIDECTOMY

3817. **Tamai H:** [Follow up studies of the antithyroid drug therapy for hyperthyroidism with special emphasis on the clinical usefulness of TRH and T3-suppression tests during treatment (author's transl)] Fukuoka Igaku Zasshi 69(11):486–94, Nov 78 (Eng. Abstr.) **(Jpn)**
ADOLESCENCE/ ADULT/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ GOITER, EXOPHTHALMIC, diagnosis/ *GOITER, EXOPHTHALMIC, drug therapy/ HUMAN/ MALE/ METHIMAZOLE, therapeutic use/ THIOURACIL,

therapeutic use/ *THYROID ANTAGONISTS, therapeutic use/ *THYROID FUNCTION TESTS/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ *TRIIODOTHYRONINE, secretion

3818. **Tamaya T, Motoyama T, Ohono Y, et al:** Local progestational and antiprogestational effects of steroids and their metabolites on the rabbit uterus. Nippon Funin Gakkai Zasshi 24(1):48–51, Jan 79
ANIMAL/ BIOLOGICAL ASSAY, methods/ FEMALE/ NORETHINDRONE, pharmacodynamics/ PROGESTERONE, antagonists & inhibitors/ *PROGESTERONE, metabolism/ PROGESTERONE, pharmacodynamics/ RABBITS/ *UTERUS, metabolism

3819. **Tamir H, Wilchek M:** 5-Hydroxytryptophyl peptides: potent inhibitors of a storage compartment of serotonin. J Neurochem 32(2):593–8, Feb 79
ANIMAL/ BINDING, COMPETITIVE/ *BRAIN, metabolism/ *CARRIER PROTEINS, metabolism/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, metabolism/ *DIPEPTIDES, pharmacodynamics/ *HYDROXYTRYPTOPHAN, pharmacodynamics/ KINETICS/ MALE/ RATS/ *SEROTONIN, metabolism/ SEROTONIN, pharmacodynamics/ SYNAPTOSOMES, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3820. **Tamura S, Fujita H:** Cytochemical localization of complex carbohydrates in the thyroid gland of normal and TSH-treated mice. Histochemistry 58(1–2):57–64, 24 Nov 78
ANIMAL/ CYTOPLASMIC GRANULES, ultrastructure/ *GLYCOPROTEINS/ GOLGI APPARATUS, ultrastructure/ HISTOCYTOCHEMISTRY/ MALE/ METHENAMINE, pharmacodynamics/ MICE/ *POLYSACCHARIDES/ *THYROID GLAND, ultrastructure/ *THYROTROPIN, pharmacodynamics

3821. **Tamura S, Kurokawa I, Moriyama Y, et al:** [A case of plasma cell dyscrasia with polyneuropathy and endocrine disorders (author's transl)] Rinsho Ketsueki 19(10):1365–71, Oct 78 (Eng. Abstr.) **(Jpn)**
CASE REPORT/ *ENDOCRINE DISEASES, complications/ ENGLISH ABSTRACT/ HUMAN/ IGG, analysis/ MALE/ MIDDLE AGE/ *PLASMACYTOMA, complications/ *POLYNEURITIS, complications

3822. **Tanaka K, Shimada M, Nakao K, et al:** Hypothalamic lesion induced by injection of monosodium glutamate in suckling period and subsequent development of obesity. Exp Neurol 62(1):191–9, Oct 78
AGING/ ANIMAL/ ANIMALS, SUCKLING/ *GLUTAMATES, toxicity/ GROWTH, drug effects/ *HYPOTHALAMUS, drug effects/ MICE/ *OBESITY, chemically induced/ *SODIUM GLUTAMATE, toxicity

3823. **Tanay A, Yust I, Peresecenschi G, et al:** Long-term treatment of the syndrome of inappropriate antidiuretic hormone secretion with phenytoin. Ann Intern Med 90(1):50–2, Jan 79
AGED/ CASE REPORT/ FEMALE/ HUMAN/ INAPPROPRIATE ADH SYNDROME, blood/ *INAPPROPRIATE ADH SYNDROME, drug therapy/ OSMOLAR CONCENTRATION/ PHENYTOIN, administration & dosage/ *PHENYTOIN, therapeutic use/ SODIUM, blood/ TIME FACTORS

3824. **Tang CK, Toker C, Ances IG:** Stromomyoma of the uterus. Cancer 43(1):308–16, Jan 79
ADULT/ CASE REPORT/ COMPARATIVE STUDY/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ GRANULOSA CELL TUMOR, pathology/ HUMAN/ *LEIOMYOMA, pathology/ LEYDIG CELL TUMOR, pathology/ MALE/ MICROSCOPY, ELECTRON/ OVARIAN NEOPLASMS, pathology/ SERTOLI CELL TUMOR, pathology/ TESTICULAR NEOPLASMS, pathology/ *UTERINE NEOPLASMS, pathology

3825. **Taniguchi K, Takazawa T, Kudo M, et al:** [Plasma levels of cortisol, aldosterone, growth hormone and insulin during halothane-N2O anesthesia and surgery in elderly patients (author's transl)] Masui 28(1):11–6, Jan 79 (Eng. Abstr.) **(Jpn)**
AGED/ ALDOSTERONE, blood/ *ANESTHESIA, INHALATION/ ENGLISH ABSTRACT/ FEMALE/ *HALOTHANE/ HUMAN/ HYDROCORTISONE, blood/ INSULIN, blood/ MALE/ *NITROUS OXIDE/ SOMATOTROPIN, blood/ *SURGERY, OPERATIVE

3826. **Taniguchi N, Ishikawa N, Kondo T:** Inhibitory effect of thyroxine on carbonic anhydrase B isozyme biosynthesis in rabbit reticulocyte lysates. Biochem Biophys Res Commun 85(3):952–8, 14 Dec 78
ANIMAL/ *CARBONIC ANHYDRASE, biosynthesis/ CARBONIC ANHYDRASE, blood/ ENZYME INDUCTION, drug effects/ IMMUNOELECTROPHORESIS/ *ISOENZYMES, biosynthesis/ ISOENZYMES, blood/ KINETICS/ RABBITS/ RETICULOCYTES, drug effects/ *RETICULOCYTES, enzymology/ *THYROXINE, pharmacodynamics

3827. **Tarayre JP, Lauressergues H:** Action of phenylbutazone, cyclophosphamide and prednacinolone on pleurisy due to Bordetella pertussis hypersensitivity in the rat. Arch Int Pharmacodyn Ther 235(1):165–9, Sep 78
ANIMAL/ *BORDETELLA PERTUSSIS, immunology/ *CYCLOPHOSPHAMIDE, therapeutic use/ *DESONIDE, therapeutic use/ *HYPERSENSITIVITY, complications/ LEUKOCYTE COUNT/ MALE/ *PHENYLBUTAZONE, therapeutic use/ PLEURISY, blood/ *PLEURISY, drug therapy/ PLEURISY, etiology/ *PREGNADIENETRIOLS, therapeutic use/ RATS

3828. **Targett CS:** Assessment of foetal welfare. Aust Fam Physician 7(9):1093–96, Sep 78
AMNIOCENTESIS/ AMNIOSCOPY/ ESTRIOL, urine/ FEMALE/ FETAL MONITORING/ FETUS, radiography/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ PREGNANCY COMPLICATIONS/ PREGNANCY/ *PRENATAL DIAGNOSIS, methods/ ULTRASONICS, diagnostic use

3829. **Tarnawski R, Kopieczna E, Jakubowska D, et al:** Aspartate carbamoyltransferase activity in rat liver at different stages of its development. Acta Biol Med Ger 37(4):553–7, 1978
AGING/ ANIMAL/ ANIMALS, NEWBORN/ *ASPARTATE CARBAMOYLTRANSFERASE, metabolism/ ENZYME ACTIVATION/ FEMALE/ FETUS/ LACTATION/ LIVER REGENERATION/ *LIVER, enzymology/ LIVER, growth & development/ LIVER, physiology/ PREGNANCY/ RATS/ SHEEP

3830. **Tarnowska-Dziduszko E:** Proces inwolucyjny kory amonalnej i ugrupowań jądra migdałowego w przewlekłym alkoholizmie. Neuropatol Pol 16(4):587–97, Oct-Dec 78 (Eng. Abstr.) **(Pol)**
ADULT/ AGED/ *ALCOHOLISM, pathology/ *AMYGDALOID BODY, pathology/ BRAIN DISEASES, pathology/ ENGLISH ABSTRACT/ FEMALE/ *HIPPOCAMPUS, pathology/ HUMAN/ MALE/ MIDDLE AGE/ PSYCHOSES, ALCOHOLIC, pathology

3831. **Taşcă C:** La biopsie intraopératoire dans la pathologie chirurgicale de la thyroïde. Endocrinologie 16(4):301–2, Oct-Dec 78 **(Fre)**
BIOPSY/ HUMAN/ *THYROID DISEASES, pathology/ THYROID DISEASES, surgery/ *THYROID GLAND, pathology/ THYROID GLAND, surgery

3832. **Tash JS, Dedman JR, Means AR:** Protein kinase inhibitor in sertoli cell-enriched rat testis. Specific regulation by follicle-stimulating hormone. J Biol Chem 254(4):1241–7, 25 Feb 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ AGING/ ANIMAL/ *CARRIER PROTEINS, physiology/ ENZYME ACTIVATION/ *FSH, pharmacodynamics/ HYPOPHYSECTOMY/ KINETICS/ MALE/ *PROTEIN KINASE, metabolism/ RATS/ SERTOLI CELLS, drug effects/ *SERTOLI CELLS, physiology/ TESTIS, drug effects/ *TESTIS, enzymology/ TESTIS, growth & development/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3833. **Tashjian AH Jr, Levine L:** Epidermal growth factor stimulates prostaglandin production and bone resorption in cultured mouse calvaria. Biochem Biophys Res Commun 85(3):966–75, 14 Dec 78
ANIMAL/ ANIMALS, NEWBORN/ BONE AND

BONES, drug effects/ *BONE AND BONES, metabolism/ *BONE RESORPTION, drug effects/ *EPIDERMAL GROWTH FACTORS, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ INDOMETHACIN, pharmacodynamics/ MICE/ ORGAN CULTURE/ *PEPTIDES, pharmacodynamics/ *PROSTAGLANDINS E, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3834. **Tashjian AH Jr, Wright DR, Ivey JL, et al:** Calcitonin binding sites in bone: relationships to biological response and 'escape'. Recent Prog Horm Res 34:285–334, 1978 (56 ref.)
ANIMAL/ BINDING SITES/ BONE AND BONES, drug effects/ *BONE AND BONES, metabolism/ *BONE RESORPTION/ BONE RESORPTION, drug effects/ *CALCITONIN, metabolism/ CALCITONIN, pharmacodynamics/ CALCIUM, metabolism/ HUMAN/ ORGAN CULTURE/ *RECEPTORS, HORMONE, metabolism/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3835. **Tatarinov YS:** Trophoblast-specific beta1-glycoprotein as a marker for pregnancy and malignancies. Gynecol Obstet Invest 9(2–3):65–97, 1978 (102 ref.)
AMNIOTIC FLUID, analysis/ ANIMAL/ CHORIOCARCINOMA, blood/ FEMALE/ FETAL BLOOD, analysis/ GLYCOPROTEINS, biosynthesis/ *GLYCOPROTEINS, blood/ GLYCOPROTEINS, isolation & purification/ HUMAN/ HYDATIDIFORM MOLE, blood/ IMMUNOLOGIC TECHNICS/ NEOPLASMS, blood/ *NEOPLASMS, diagnosis/ PLACENTA, metabolism/ PREGNANCY COMPLICATIONS, metabolism/ PREGNANCY TESTS, IMMUNOLOGIC/ PREGNANCY/ REVIEW/ *TROPHOBLAST, metabolism/ TROPHOBLASTIC TUMOR, blood/ UTERINE NEOPLASMS, blood/ *UTERINE NEOPLASMS, diagnosis

3836. **Tateishi R, Wada A, Ishiguro S, et al:** Coexistence of bilateral pheochromocytoma and pancreatic islet cell tumor: report of a case and review of the literature. Cancer 42(6):2928–34, Dec 78 (28 ref.)
ADOLESCENCE/ *ADRENAL GLAND NEOPLASMS, pathology/ ADULT/ CASE REPORT/ COMPARATIVE STUDY/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *ISLET CELL TUMOR, pathology/ MALE/ MIDDLE AGE/ *NEOPLASMS, MULTIPLE PRIMARY, pathology/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, embryology/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, pathology/ *PANCREATIC NEOPLASMS, pathology/ PARAGANGLIOMA, pathology/ *PHEOCHROMOCYTOMA, pathology/ REVIEW

3837. **Tateno M:** Studies on the cervical mucus in sterile women. Nippon Funin Gakkai Zasshi 24(1):63–9, Jan 79
CERVIX MUCUS, drug effects/ *CERVIX MUCUS, physiology/ CLOMIPHENE, therapeutic use/ FEMALE/ HUMAN/ OVULATION, drug effects/ PREGNANCY/ PREMARIN, pharmacodynamics/ SPERM MOTILITY/ STERILITY, FEMALE, drug therapy/ *STERILITY, FEMALE, physiopathology/ VISCOSITY

3838. **Taube C, Förster W:** The effect of prostaglandin D2 on isolated perfused guinea-pig hearts. Acta Biol Med Ger 37(5–6):773–5, 1976
ANIMAL/ CORONARY CIRCULATION, drug effects/ GUINEA PIGS/ HEART RATE, drug effects/ HEART, drug effects/ *HEART, physiology/ IN VITRO/ MYOCARDIAL CONTRACTION, drug effects/ PERFUSION/ *PROSTAGLANDINS D, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics

3839. **Taube C, Hauser A, Dunemann A, et al:** Changes of prostaglandin synthesis in aorta, brain and kidney medulla of normal rats treated with antihypertensive drugs. Acta Biol Med Ger 37(5–6):889–90, 1976
ANIMAL/ AORTA, drug effects/ *AORTA, metabolism/ BLOOD PRESSURE, drug effects/ BRAIN, drug effects/ *BRAIN, metabolism/ *CLONIDINE, pharmacodynamics/ COMPARATIVE STUDY/ *DIHYDRALAZINE, pharmacodynamics/ *HYDRALAZINE, analogs & derivatives/ KIDNEY MEDULLA, drug effects/ *KIDNEY MEDULLA, metabolism/ *METHYLDOPA, pharmacodynamics/ *PROSTAGLANDINS, biosynthesis/ RATS/ *RESERPINE, pharmacodynamics

3840. **Taube HD:** Präsynaptische Rezeptor-Systeme an zentralen noradrenergen Neuronen. Fortschr Med 97(2):61–4, 11 Jan 79 (Eng. Abstr.) (Ger)
ADRENERGIC ALPHA RECEPTOR AGONISTS, pharmacodynamics/ ANIMAL/ CEREBELLAR CORTEX, metabolism/ CEREBRAL CORTEX, metabolism/ ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ ENKEPHALINS, pharmacodynamics/ HYPOTHALAMUS, metabolism/ MORPHINE, pharmacodynamics/ *NOREPINEPHRINE, metabolism/ *POTASSIUM, pharmacodynamics/ RATS/ *RECEPTORS, ADRENERGIC, metabolism

3841. **Tavasolian B, Shabbak F:** Extraction and partial purification of milk coagulating enzyme from Cartamus tinctorius seeds. J Agric Food Chem 27(1):190–1, Jan–Feb 79
*ENZYMES, isolation & purification/ *MILK, drug effects/ *PLANT EXTRACTS, pharmacodynamics/ RENIN/ SEEDS, analysis

3842. **Taylor CM, Mawer EB, Wallace JE, et al:** The absence of 24,25-dihydroxycholecalciferol in anephric patients. Clin Sci Mol Med 55(6):541–7, Dec 78
ADULT/ AGED/ CHOLECALCIFEROLS, metabolism/ *DIHYDROXYCHOLECALCIFEROLS, blood/ FEMALE/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, blood/ HYDROXYLATION/ KIDNEY, metabolism/ MALE/ MIDDLE AGE/ *NEPHRECTOMY

3843. **Taylor MJ, Jenkin G, Chan JS, et al:** Ovine placental lactogen in maternal and foetal plasma in sheep [proceedings] J Endocrinol 79(2):39P–40P, Nov 78
ANIMAL/ CORTICOTROPIN, pharmacodynamics/ FEMALE/ *FETAL BLOOD, analysis/ FETUS, physiology/ HYPOPHYSECTOMY/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ SHEEP, physiology

3844. **Taylor NF, Shackleton CH:** Metabolism of cortisol by the foetus and neonate. J Endocrinol 79(2):61P–62P, Nov 78
FEMALE/ *FETUS, metabolism/ HUMAN/ *HYDROCORTISONE, metabolism/ *INFANT, NEWBORN/ PREGNANCY

3845. **Tchertkoff V, Salomon MI, Garret R:** Adrenal cortical nodules [letter] Arch Pathol Lab Med 103(2):100, Feb 79
ADOLESCENCE/ *ADRENAL CORTEX, pathology/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ HUMAN/ HYPERPLASIA/ HYPERTENSION, pathology/ INFANT/ INFANT, NEWBORN/ MIDDLE AGE

3846. **Teeuw AH, Leenen FH, Geyskes GG, et al:** Atenolol and chlorthalidone on blood pressure, heart rate, and plasma renin activity in hypertension. Clin Pharmacol Ther 25(3):294–302, Mar 79
ADULT/ AMBULATORY CARE/ *ATENOLOL, pharmacodynamics/ *BLOOD PRESSURE, drug effects/ *CHLORTHALIDONE, pharmacodynamics/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DOUBLE-BLIND METHOD/ DRUG INTERACTIONS/ FEMALE/ *HEART RATE, drug effects/ HUMAN/ HYPERTENSION, enzymology/ *HYPERTENSION, physiopathology/ MALE/ MIDDLE AGE/ *PROPANOLAMINES, pharmacodynamics/ *RENIN, blood/ TIME FACTORS

3847. **Telegdy G, Kovács GL:** Role of monoamines in mediating the action of hormones on learning and memory. pp. 249–68.
In: Brazier MA, ed. Brain mechanisms in memory and learning. New York, Raven Press, 1979. W1 IN71S vol.4 1978.
ANIMAL/ AVOIDANCE LEARNING, drug effects/ BEHAVIOR, ANIMAL, drug effects/ BRAIN CHEMISTRY, drug effects/ *BRAIN, drug effects/ BRAIN, metabolism/ CONDITIONING (PSYCHOLOGY), drug effects/ *CORTICOSTERONE, pharmacodynamics/ *CORTICOTROPIN, pharmacodynamics/ DOPAMINE, analysis/ DOPAMINE, metabolism/ HYPOTHALAMUS, analysis/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, metabolism/

*LEARNING, drug effects/ *MEMORY, drug effects/ MESENCEPHALON, analysis/ MESENCEPHALON, drug effects/ MESENCEPHALON, metabolism/ MONOGRAPH/ NIALAMIDE, pharmacodynamics/ NOREPINEPHRINE, analysis/ NOREPINEPHRINE, metabolism/ *OXYTOCIN, pharmacodynamics/ RATS/ SEROTONIN, analysis/ SEROTONIN, metabolism/ *VASOPRESSINS, pharmacodynamics

3848. **Tellkamp H, Rosenkranz G:** Knochenmineralgehaltsbestimmung mit 109Cd--Erste praktische Ergebnisse--. Radiol Diagn (Berl) 19(6):742–6, Dec 78 (Eng. Abstr.) (Ger)
ADOLESCENCE/ ADULT/ AGED/ *BONE AND BONES, analysis/ *CADMIUM, diagnostic use/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *MINERALS, analysis/ *RADIOISOTOPES, diagnostic use

3849. **Temtamy SA, McKusick VA:** The genetics of hand malformations. Birth Defects 14(3):i–xviii, 1–619, 1978
ABNORMALITIES, DRUG-INDUCED/ ABNORMALITIES, MULTIPLE, familial & genetic/ ARACHNODACTYLY, familial & genetic/ BONE AND BONES, abnormalities/ BONE DISEASES, DEVELOPMENTAL, familial & genetic/ CHROMOSOME ABERRATIONS/ CRANIOFACIAL DYSOSTOSIS, familial & genetic/ DERMATOGLYPHICS/ FEMALE/ *HAND, abnormalities/ HAND, anatomy & histology/ HUMAN/ MALE/ OROFACIODIGITAL SYNDROMES, familial & genetic/ PEDIGREE/ SYNDACTYLIA, familial & genetic/ SYNDROME/ SYNOSTOSIS, familial & genetic

3850. **ten Hoor F, van de Graaf HM:** The influence of a linoleic acid-rich diet and of acetyl salicylic acid on NaCl induced hypertension, Na+--and H2O-blance and urinary prostaglandin excretion in rats. Acta Biol Med Ger 37(5–6):875–7, 1976
ANIMAL/ *ASPIRIN, pharmacodynamics/ *BODY WATER, metabolism/ DIETARY FATS/ *HYPERTENSION, physiopathology/ *LINOLEIC ACIDS, pharmacodynamics/ MALE/ OILS/ *PROSTAGLANDINS, urine/ RATS/ *SODIUM, metabolism

3851. **ten Hoor F, de Deckere EA, Haddeman E, et al:** The production of prostaglandin I2 in heart and blood vessels and its physiological role in heart function and thromboregulation. Acta Biol Med Ger 37(5–6):729–30, 1976
ANIMAL/ AORTA, physiology/ *ARTERIES, physiology/ ASPIRIN, pharmacodynamics/ BLOOD PLATELETS, physiology/ *BLOOD PRESSURE/ FATTY ACIDS, ESSENTIAL, deficiency/ *HEART, physiology/ *MYOCARDIUM, metabolism/ *PROSTAGLANDINS X, physiology/ *PROSTAGLANDINS, physiology/ RABBITS/ RATS

3852. **Teng YS, Tan SG:** Acid alpha-glucosidase in Malaysians. Population studies and the occurrence of a new variant. Hum Hered 29(1):2–4, 1979
*ALPHA-GLUCOSIDASES, genetics/ CHINA, ethnology/ FEMALE/ *GENE FREQUENCY/ *GLUCOSIDASES, genetics/ HUMAN/ INDIA, ethnology/ *ISOENZYMES, genetics/ MALAYSIA/ PHENOTYPE/ PLACENTA, enzymology/ PREGNANCY/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VARIATION (GENETICS)

3853. **Tenovuo J:** Inhibition by thiocyanate of lactoperoxidase-catalysed oxidation and iodination reactions. Arch Oral Biol 23(10):899–903, 1978
CYANIDES, pharmacodynamics/ GUAIACOL/ HYDROGEN-ION CONCENTRATION/ IODIDES/ *LACTOPEROXIDASE, antagonists & inhibitors/ OXIDATION-REDUCTION, drug effects/ *PEROXIDASES, antagonists & inhibitors/ *THIOCYANATES, pharmacodynamics/ TIME FACTORS/ TYROSINE

3854. **Tepmongkol P:** Whole-lung irradiation in the treatment of pulmonary metastases. J Med Assoc Thai 61(12):681–9, Dec 78
ADENOCARCINOMA, radiotherapy/ ADOLESCENCE/ ADULT/ CARCINOMA, radiotherapy/ CARCINOMA, EPIDERMOID, radiotherapy/ CHILD/ CHILD, PRESCHOOL/ DYSGERMINOMA, radiotherapy/ FEMALE/ HODGKIN'S DISEASE, radiotherapy/ HUMAN/ LUNG NEOPLASMS, mortality/ *LUNG NEOPLASMS, radiotherapy/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PNEUMONIA, etiology/ RADIOTHERAPY, adverse effects/ SARCOMA, RETICULUM CELL, radiotherapy/ THAILAND

3855. **Terao K, Aikawa T, Kera K:** A synergistic effect of nitrosodimethylamine on sterigmatocystin carcinogenesis in rats. Food Cosmet Toxicol 16(6):591–6, Dec 78
ADENOCARCINOMA, chemically induced/ ADENOCARCINOMA, pathology/ ANIMAL/ *COCARCINOGENESIS/ *DIMETHYLNITROSAMINE, toxicity/ DRUG SYNERGISM/ *HEPATOMA, chemically induced/ HEPATOMA, pathology/ LEYDIG CELL TUMOR, chemically induced/ *LIVER NEOPLASMS, chemically induced/ LIVER NEOPLASMS, pathology/ MALE/ *NITROSAMINES, toxicity/ RATS/ *STERIGMATOCYSTIN, toxicity/ TESTICULAR NEOPLASMS, chemically induced/ *XANTHENES, toxicity

3856. **Terpstra GK, Raaijmakers JA, Hameliak M, et al:** Effects of Haemophilus influenzae vaccination on the (para-)sympathic-cyclic nucleotide-histamine axis in rats. Ann Allergy 42(1):36–40, Jan 79
ANIMAL/ *BACTERIAL VACCINES, pharmacodynamics/ CATECHOLAMINES, metabolism/ CHOLINESTERASES, blood/ EPINEPHRINE, blood/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *HAEMOPHILUS INFLUENZAE, immunology/ HISTAMINE, blood/ *HISTAMINE, metabolism/ MALE/ NOREPINEPHRINE, blood/ *NUCLEOTIDES, CYCLIC, metabolism/ RATS

3857. **Terragno NA, Terragno A, Early JA, et al:** Endogenous prostaglandin synthesis inhibitor in the renal cortex. Effects on production of prostacyclin by renal blood vessels. Clin Sci Mol Med 55 Suppl 4:199s–202s, Dec 78
ANIMAL/ ARACHIDONIC ACIDS, metabolism/ BLOOD VESSELS, enzymology/ *KIDNEY CORTEX, enzymology/ KIDNEY MEDULLA, metabolism/ KIDNEY, blood supply/ *PROSTAGLANDIN SYNTHASE, antagonists & inhibitors/ *PROSTAGLANDINS X, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ *PROSTAGLANDINS, metabolism/ SWINE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3858. **Terragno NA, Terragno A:** Prostaglandin metabolism in the fetal and maternal vasculature. Fed Proc 38(1):75–7, Jan 79
ANIMAL/ ARACHIDONIC ACIDS, metabolism/ BLOOD COAGULATION/ *BLOOD VESSELS, metabolism/ CATTLE/ DUCTUS ARTERIOSUS, metabolism/ FEMALE/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROSTAGLANDINS, metabolism/ UMBILICAL ARTERIES, metabolism/ UMBILICAL VEINS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3859. **Testa GF, Angelini C:** Assessment of the value of thymic scan in myasthenia gravis. J Neurol 220(1):21–9, 30 Jan 79
ADOLESCENCE/ ADULT/ CHILD/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ *MYASTHENIA GRAVIS, radionuclide imaging/ SELENOMETHIONINE, diagnostic use/ THYMECTOMY/ THYMOMA, radionuclide imaging/ *THYMUS GLAND, radionuclide imaging/ THYMUS HYPERPLASIA, radionuclide imaging/ THYMUS NEOPLASMS, radionuclide imaging

3860. **Thambyrajah V, Yusof K, Kin FC:** A preliminary study of plasma estriol levels in Malaysian pregnancies. Med J Malaysia 32(4):308–12, Jun 78
*ESTRIOL, blood/ FEMALE/ HUMAN/ MALAYSIA/ MONGOLOID RACE/ *PREGNANCY/ RADIOIMMUNOASSAY

3861. **Thanavala YM, Hay FC, Stevens VC:** Immunological control of fertility: measurement of affinity of antibodies to human chorionic gonadotrophin. Clin Exp Immunol 33(3):403–9, Sep 78
ANIMAL/ *ANTIBODY AFFINITY/ ANTIBODY FORMATION/ BINDING SITES, ANTIBODY/ *CONTRACEPTION/ *CONTRACEPTION, IMMUNOLOGIC/ CROSS REACTIONS/ DIAZONIUM COMPOUNDS, immunology/ FEMALE/ *GONADOTROPINS, CHORIONIC, immunology/ HAPTENS, immunology/ LH,

immunology/ MONKEYS/ PAPIO/ PEPTIDES, immunology/ TIME FACTORS

3862. **Thau RB, Sundaram K, Thornton YS, et al:** Effects of immunization with the beta-subunit of ovine luteinizing hormone on corpus luteum function in the rhesus monkey. Fertil Steril 31(2):200–4, Feb 79
ANIMAL/ *ANTIBODIES, immunology/ *CONTRACEPTION/ *CONTRACEPTION, IMMUNOLOGIC/ *CORPUS LUTEUM, physiology/ FEMALE/ *LH, immunology/ MONKEYS/ PROGESTERONE, metabolism

3863. **Theobald TC, Syson AJ, Burrin DH:** The effect of caffeine and quinine on calcium efflux and cyclic AMP levels in bovine ileal smooth muscle. Comp Biochem Physiol [C] 61 C(2):395–400, 1978
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT, drug effects/ *CAFFEINE, pharmacodynamics/ *CALCIUM, metabolism/ CATTLE/ ILEUM/ IN VITRO/ *MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, metabolism/ *QUININE, pharmacodynamics

3864. **Theodor E, Niv Y:** The clinical course of subacute hepatic necrosis. Am J Gastroenterol 70(6):600–6, Dec 78
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ ALKALINE PHOSPHATASE, blood/ CHILD/ FEMALE/ FOLLOW-UP STUDIES/ HEPATIC COMA, etiology/ HEPATITIS B ANTIGENS, analysis/ HEPATITIS, complications/ *HEPATITIS, diagnosis/ HEPATITIS, drug therapy/ HEPATITIS, VIRAL, HUMAN, complications/ HEPATITIS, VIRAL, HUMAN, diagnosis/ HEPATITIS, VIRAL, HUMAN, drug therapy/ HEPATOMEGALY, etiology/ HUMAN/ JAUNDICE, etiology/ LIVER CIRRHOSIS, etiology/ MALE/ MIDDLE AGE/ NECROSIS/ PREDNISONE, therapeutic use/ RECURRENCE/ SPLENOMEGALY, etiology

3865. **Theodorou-Touchais AM, Souteyrand P, Muratore R:** Syndrome de Schwartz-Barter chez un malade ayant une lymphopathie angio-immunoblastique. Nouv Presse Med 7(38):3458, 4 Nov 78 **(Fre)**
AGED/ CASE REPORT/ HUMAN/ *IMMUNOBLASTIC LYMPHADENOPATHY, complications/ *INAPPROPRIATE ADH SYNDROME, complications/ MALE

3866. **Theron JJ, Biagio R, Meyer AC, et al:** Microfilaments, the smooth endoplasmic reticulum and synaptic ribbon fields in the pinealocytes of the baboon (Papio ursinus). Am J Anat 154(2):151–61, Feb 79
ANIMAL/ *BABOONS, anatomy & histology/ *CYTOPLASM, ultrastructure/ *ENDOPLASMIC RETICULUM, ultrastructure/ MALE/ *MICROFILAMENTS, ultrastructure/ MICROTUBULES, ultrastructure/ MONKEYS/ *PINEAL BODY, ultrastructure

3867. **Theve NO, Carlström K, Gustafsson JA, et al:** Oestrogen receptors and peripheral serum levels of oestradiol-17beta in patients with mammary carcinoma. Eur J Cancer 14(12):1337–40, Dec 78
ADULT/ AGE FACTORS/ AGED/ BREAST NEOPLASMS, analysis/ *BREAST NEOPLASMS, blood/ *ESTRADIOL, blood/ FEMALE/ HUMAN/ MENOPAUSE/ MIDDLE AGE/ *RECEPTORS, ESTROGEN, analysis

3868. **Thévenet M, Maldonado J, Caillens H, et al:** La bamifylline. Conditions de son interférence dans le dosage des 17-oxostéroïdes urinaires. Méthode de dosage par la réaction de Zimmermann. Ann Biol Clin (Paris) 36(4):369–74, 1978 (Eng. Abstr.) **(Fre)**
BRONCHODILATOR AGENTS/ ENGLISH ABSTRACT/ ETHANOLAMINES, isolation & purification/ ETHANOLAMINES, therapeutic use/ ETHANOLAMINES, urine/ HUMAN/ METHODS/ SPECTROPHOTOMETRY/ *THEOPHYLLINE, analogs & derivatives/ THEOPHYLLINE, isolation & purification/ THEOPHYLLINE, therapeutic use/ THEOPHYLLINE, urine/ *17-KETOSTEROIDS, urine

3869. **Thibeault DW, Emmanouilides GC, Dodge ME:** Pulmonary and circulatory function in preterm lambs treated with hydrocortisone in utero. Biol Neonate 34(5–6):238–47, 1978
ANIMAL/ *ANIMALS, NEWBORN/ DUCTUS ARTERIOSUS, drug effects/ DUCTUS ARTERIOSUS, embryology/ FEMALE/ GESTATIONAL AGE/ *HEMODYNAMICS, drug effects/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, pharmacodynamics/ INJECTIONS, INTRAVENOUS/ LUNG, embryology/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ PRESSURE/ *PULMONARY CIRCULATION, drug effects/ *RESPIRATION, drug effects/ SHEEP

3870. **Thibonnier M, Corvol P, Milliez P:** Spirolactones et diurétiques épargnant le potassium. Rev Prat 28(51):4021–4, 4027–8, 4031–2, 11 Nov 78 (Eng. Abstr.) **(Fre)**
*AMILORIDE, pharmacodynamics/ AMILORIDE, therapeutic use/ EDEMA, drug therapy/ ENGLISH ABSTRACT/ HUMAN/ HYPERALDOSTERONISM, drug therapy/ HYPERTENSION, drug therapy/ *PYRAZINES, pharmacodynamics/ *SPIRONOLACTONE, pharmacodynamics/ SPIRONOLACTONE, therapeutic use/ *TRIAMTERENE, pharmacodynamics/ TRIAMTERENE, therapeutic use

3871. **Thienpont D, van Cutsem J, Gough DA:** Treatment of gastrointestinal candidosis in predisposed guinea-pigs and in conventional mice with miconazole. Mykosen 21(12):417–24, Dec 78
ANIMAL/ ANTIBIOTICS, therapeutic use/ CANDIDA ALBICANS, isolation & purification/ DRUG SCREENING/ FECES, microbiology/ *GASTROINTESTINAL DISEASES, drug therapy/ GUINEA PIGS/ *IMIDAZOLES, therapeutic use/ MICE/ *MICONAZOLE, therapeutic use/ *MONILIASIS, drug therapy/ PREDNISOLONE, adverse effects

3872. **Thiry L, Sprecher-Goldberger S, Cogniaux-Leclerc J, et al:** Comparison of different tests to measure immune responses to primate retroviruses. J Immunol Methods 25(3):197–209, 1979
ANIMAL/ ANTIBODIES, VIRAL, biosynthesis/ ANTIGENS, VIRAL/ CELL LINE/ COMPARATIVE STUDY/ CYNOMOLGUS MONKEYS/ DEXAMETHASONE, pharmacodynamics/ DOGS/ FEMALE/ HUMAN/ *LYMPHOCYTE TRANSFORMATION/ MONKEYS/ PREGNANCY/ RABBITS/ THYMIDINE, metabolism/ *VERTEBRATE VIRUSES, UNCLASSIFIED, immunology

3873. **Thody AJ, Shuster S:** Effect of progesterone on the sebaceous glands. Postgrad Med J 54(2):88–90, 1978
ANIMAL/ CASTRATION/ FEMALE/ MALE/ *PROGESTERONE, pharmacodynamics/ RATS/ SEBACEOUS GLANDS, drug effects/ SEBACEOUS GLANDS, secretion/ *SEBUM, secretion/ SECRETORY RATE, drug effects

3874. **Thomas CB, Keil LC, Klase PA, et al:** On the role of angiotensin in the cerebellum. Proc Soc Exp Biol Med 160(2):278–80, Feb 79
*ANGIOTENSIN II, pharmacodynamics/ ANGIOTENSIN II, physiology/ ANIMAL/ BLOOD PRESSURE, drug effects/ *CEREBELLUM, drug effects/ CEREBELLUM, physiology/ CORTICOSTERONE, blood/ CORTICOTROPIN, secretion/ DRINKING BEHAVIOR, drug effects/ MALE/ RATS/ UNITED STATES GOV'T SUPPORTED/ VASOPRESSINS, secretion

3875. **Thomas F, La Barre J, Renaux J, et al:** A therapeutic castastrophe, entailing 16 exhumations, following the administration of digitoxin instead of oestradiol benzoate to prostatic cancer patients: identification of the poison. Med Sci Law 19(1):8–18, Jan 79
AGED/ BELGIUM/ CASE REPORT/ *DIGITOXIN, poisoning/ ESTRADIOL/ *FORENSIC MEDICINE/ HUMAN/ MALE/ MEDICATION ERRORS/ MIDDLE AGE/ PROSTATIC NEOPLASMS, drug therapy

3876. **Thomasset M, Redel J, Marche P, et al:** Intestinal calcium-binding protein (CaBP) and bone calcium mobilization in response to 25R,26 and 25S,26-dihydroxycholecalciferol in intact and nephrectomized rats. Steroids 32(5):577–87, Dec 78
ANIMAL/ *BONE AND BONES, drug effects/ BONE AND BONES, metabolism/ CALCIUM, blood/ *CALCIUM, metabolism/ *CARRIER PROTEINS, metabolism/ *DIHYDROXYCHOLECALCIFEROLS,

pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ *INTESTINES, drug effects/ INTESTINES, metabolism/ MALE/ NEPHRECTOMY/ RATS/ STEREOISOMERS/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS

3877. **Thompson JC:** Hormonal influences on gastric secretion. Adv Surg 12:53–83, 1978
CHOLECYSTOKININ, physiology/ DEPRESSION, CHEMICAL/ GASTRIC INHIBITORY POLYPEPTIDE, physiology/ *GASTRIC JUICE, drug effects/ GASTRIC MUCOSA, secretion/ GASTRINS, physiology/ GLUCAGON, physiology/ *HORMONES, pharmacodynamics/ HORMONES, physiology/ HUMAN/ SECRETIN, physiology/ SECRETORY RATE, drug effects/ STIMULATION, CHEMICAL/ VASOACTIVE INTESTINAL PEPTIDE, physiology

3878. **Thompson JL, Robinson JJ, McHattie I:** An effect of physiological state on digestion in the ewe [proceedings] Proc Nutr Soc 37(3):71A, Dec 78
DIET/ *DIGESTION/ FEMALE/ HUMAN/ LACTATION/ *NUTRITION/ PREGNANCY/ PREGNANCY, ANIMAL/ SHEEP

3879. **Thomson JE, Baird SG, Thomson JA:** Absence of any change in thyroid function following acute myocardial infarction. Am Heart J 97(3):406–7, Mar 79
ACUTE DISEASE/ HUMAN/ *MYOCARDIAL INFARCTION, physiopathology/ THYROID GLAND

3880. **Thor DH:** Gonadal testosterone and perineal sniffing behavior of the male rat. Behav Biol 24(2):256–64, Oct 78
AGE FACTORS/ AGGRESSION, drug effects/ ANIMAL/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ MALE/ PUBERTY/ RATS/ *SEX BEHAVIOR, ANIMAL, drug effects/ *SOCIAL BEHAVIOR/ *TESTOSTERONE, pharmacodynamics

3881. **Thorbert G:** Regional changes in structure and function of adrenergic nerves in guinea-pig uterus during pregnancy. Acta Obstet Gynecol Scand [Suppl] (79):1–32, 1978
ADRENERGIC FIBERS, metabolism/ *ADRENERGIC FIBERS, physiology/ ADRENERGIC FIBERS, ultrastructure/ ANIMAL/ AXONS, metabolism/ DENERVATION/ DOPAMINE, metabolism/ FEMALE/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ HUMAN/ LABOR/ NEURONS, metabolism/ NOREPINEPHRINE, metabolism/ PREGNANCY COMPLICATIONS, metabolism/ PREGNANCY COMPLICATIONS, physiopathology/ PREGNANCY/ *PREGNANCY, ANIMAL/ PROSTAGLANDINS, pharmacodynamics/ SEX HORMONES, metabolism/ UTERINE CONTRACTION, drug effects/ *UTERUS, innervation

3882. **Thorburn GD:** Hormonal control of parturition in the sheep and goat. Semin Perinatol 2(3):235–45, Jul 78 (64 ref.)
ADRENAL GLANDS, metabolism/ ANIMAL/ CORPUS LUTEUM MAINTENANCE/ CORPUS LUTEUM REGRESSION/ CORTICOTROPIN, physiology/ ENDOMETRIUM, metabolism/ ESTROGENS, biosynthesis/ FEMALE/ FETUS, metabolism/ FETUS, physiology/ *GOATS, physiology/ *HORMONES, physiology/ HUMAN/ *LABOR/ OXYTOCIN, physiology/ PLACENTAL LACTOGEN, physiology/ *PREGNANCY, ANIMAL/ PROSTAGLANDINS F, metabolism/ PROSTAGLANDINS F, physiology/ PROSTAGLANDINS, biosynthesis/ REVIEW/ *SHEEP, physiology

3883. **Thornton EW, Goudie AJ:** Evidence for the role of serotonin in the inhibition of specific motor responses. Psychopharmacology (Berlin) 60(1):73–9, 15 Dec 78
P-CHLOROPHENYLALANINE, pharmacodynamics/ ANIMAL/ AVOIDANCE LEARNING, physiology/ FEMALE/ *MOTOR ACTIVITY, physiology/ RATS/ *SEROTONIN, physiology

3884. **Thorsteinsson B, Bliddal H, Kirkegaard C:** Jodinduceret tyreotoksikose. Ugeskr Laeger 141(3):155–7, 15 Jan 79 (Eng. Abstr.) **(Dan)**
AGED/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, chemically induced/ *IODINE, adverse effects/ MALE/ MIDDLE AGE

3885. **Thurston H, Hurst BC, Bing RF, et al:** Role of persistent vascular renin after bilateral nephrectomy in Goldblatt-two kidney hypertension. Clin Sci Mol Med 55 Suppl 4:23s–26s, Dec 78
ANGIOTENSIN I, metabolism/ ANIMAL/ AORTA, metabolism/ FEMALE/ *HYPERTENSION, RENAL, metabolism/ *HYPERTENSION, RENOVASCULAR, metabolism/ NEPHRECTOMY/ RATS/ RENIN, blood/ *RENIN, metabolism

3886. **Thysell H, Hagstam KE, Lindergård B, et al:** Free plasma 11-hydroxycorticosteroids and the response to beta1-24-corticotrophin in regular haemodialysis patients. Scand J Urol Nephrol 13(1):95–9, 1979
ADOLESCENCE/ ADRENAL CORTEX FUNCTION TESTS/ ADRENAL CORTEX, physiopathology/ ADULT/ CHILD/ *CORTICOTROPIN, analogs & derivatives/ *COSYNTROPIN, diagnostic use/ FEMALE/ *HEMODIALYSIS, adverse effects/ HUMAN/ MALE/ MIDDLE AGE/ *PITUITARY-ADRENAL SYSTEM, physiopathology/ *11-HYDROXYCORTICOSTEROIDS, blood

3887. **Tibbs PA, Challa V, Mortara RH:** Isolated histiocytosis X of the hypothalamus. Case report. J Neurosurg 49(6):929–34, Dec 78
*BRAIN DISEASES/ BRAIN DISEASES, etiology/ CASE REPORT/ CHILD/ *HISTIOCYTOSIS X/ HUMAN/ *HYPOTHALAMUS/ MALE

3888. **Tichy AM, Chong D:** Toxemia update. Placental function and its role in toxemia. MCN 4(2):84–9, Mar-Apr 79
ATHEROSCLEROSIS, physiopathology/ FEMALE/ HUMAN/ MATERNAL-FETAL EXCHANGE/ PLACENTA, blood supply/ *PLACENTA, physiopathology/ PLACENTAL HORMONES, secretion/ *PREGNANCY TOXEMIAS, physiopathology/ PREGNANCY/ REGIONAL BLOOD FLOW/ VASCULAR RESISTANCE

3889. **Tichý J, Skorkovská I, Base J:** Spectrum of total fatty acids in cerebrospinal fluid determined by gas chromatography. J Chromatogr 162(2):185–96, 21 Feb 79
ADENOMA, cerebrospinal fluid/ ADULT/ AGED/ CHROMATOGRAPHY, GAS/ *FATTY ACIDS, cerebrospinal fluid/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ PITUITARY NEOPLASMS, cerebrospinal fluid

3890. **Tifft CP, Gavras H, Kershaw GR, et al:** Converting enzyme inhibition in hypertensive emergencies. Ann Intern Med 90(1):43–7, Jan 79
ADULT/ *EMERGENCIES/ FEMALE/ HUMAN/ *HYPERTENSION, drug therapy/ HYPERTENSION, enzymology/ MALE/ MIDDLE AGE/ *OLIGOPEPTIDES, therapeutic use/ PROPRANOLOL, therapeutic use/ RENIN, blood/ SQ 20881, pharmacodynamics/ *SQ 20881, therapeutic use/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASODILATOR AGENTS, therapeutic use

3891. **Tilley WD, Keightley DD, Cant EL:** Inter-site variation of oestrogen receptors in human breast cancers. Br J Cancer 38(4):544–6, Oct 78
*BREAST NEOPLASMS, metabolism/ CYTOSOL, metabolism/ *ESTRADIOL, metabolism/ FEMALE/ HUMAN/ MYOMETRIUM, metabolism/ *RECEPTORS, ESTROGEN, metabolism

3892. **Timsit J, Aminot A, Lechat P:** The influence of anti-inflammatory compounds on some effects of BCG in the rat. Arch Int Pharmacodyn Ther 235(2):271–9, Oct 78
ANIMAL/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ BCG VACCINE, immunology/ *BCG VACCINE, pharmacodynamics/ COMPLEMENT, metabolism/ DEXAMETHASONE, pharmacodynamics/ HAPTOGLOBINS, metabolism/ MALE/ METHYLPREDNISOLONE, pharmacodynamics/ OXIDATION-REDUCTION/ PHENYLENEDIAMINES, metabolism/ RATS

3893. **Tirard A, Roques M:** Cyclic AMP-binding proteins and protamine kinases in porcine thyroid cytosol. Biochim Biophys Acta 537(2):485–94, 20 Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ CYTOSOL, metabolism/ KINETICS/ PROTAMINES/ PROTEIN KINASE,

isolation & purification/ *PROTEIN KINASE, metabolism/ RECEPTORS, CYCLIC AMP, isolation & purification/ *RECEPTORS, CYCLIC AMP, metabolism/ SWINE/ *THYROID GLAND, metabolism

3894. **Tirrell JG, Westhead EW:** The uptake of ascorbic acid and dehydroascorbic acid by chromaffin granules of the adrenal medulla. Neuroscience 4(1):181–6, 1979
ADENOSINE TRIPHOSPHATE, pharmacodynamics/ *ADRENAL MEDULLA, metabolism/ ANIMAL/ *ASCORBIC ACID, analogs & derivatives/ *ASCORBIC ACID, metabolism/ CATTLE/ CELL FRACTIONATION/ CENTRIFUGATION, DENSITY GRADIENT/ *CHROMAFFIN GRANULES, metabolism/ *CHROMAFFIN SYSTEM, metabolism/ CYTOCHROME C, pharmacodynamics/ *DEHYDROASCORBIC ACID, metabolism/ IN VITRO/ TEMPERATURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3895. **Tischendorf L:** Lokale Nikotinsäureamidtherapie beim erosiven Lichen der Mundschleimhaut. Stomatol DDR 28(12):911–4, Dec 78 (Eng. Abstr.) **(Ger)**
ADMINISTRATION, TOPICAL/ CHLOROQUINE, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ *LICHEN PLANUS, drug therapy/ *NICOTINAMIDE, administration & dosage/ RISK/ *STOMATITIS, drug therapy/ TRIAMCINOLONE, therapeutic use

3896. **Tischendorf L, Zacher C:** Glukokortikoide in der chirurgischen Stomatologie und Kiefer–Gesichts–Chirurgie.
Stomatol DDR 28(12):914–9, Dec 78 (Eng. Abstr.) **(Ger)**
ENGLISH ABSTRACT/ *GLUCOCORTICOIDS, therapeutic use/ HUMAN/ MAXILLOFACIAL INJURIES, drug therapy/ *MOUTH DISEASES, drug therapy/ RISK/ STOMATITIS, drug therapy/ SURGERY, ORAL

3897. **Titov VN, Pitsin DG, Fedorova MP:** Deistvie kortizola na biosintez lipidov i lipoproteidov v gepatotsitakh krys.
Biokhimiia 43(11):2002–10, Nov 78 (Eng. Abstr.) **(Rus)**
ADRENALECTOMY/ ANIMAL/ APOLIPOPROTEINS, biosynthesis/ CHOLESTEROL, metabolism/ CORTICOTROPIN, pharmacodynamics/ ENGLISH ABSTRACT/ *HYDROCORTISONE, pharmacodynamics/ HYPERLIPEMIA, chemically induced/ *LIPIDS, biosynthesis/ *LIPOPROTEINS, biosynthesis/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ MITOCHONDRIA, LIVER, drug effects/ MITOCHONDRIA, LIVER, metabolism/ PHOSPHOLIPIDS, metabolism/ RATS

3898. **Titov VN, Zhemerikina EV, Shcherbakova IA, et al:** Oral'nye kontratseptivy, giperlipoproteidemiia i ishemicheskaia bolezn' serdtsa. Ter Arkh 50(12):22–8, 1978 (Eng. Abstr.) **(Rus)**
ADULT/ *CONTRACEPTIVES, ORAL, adverse effects/ *CORONARY DISEASE, etiology/ ENGLISH ABSTRACT/ *ETHINYL ESTRADIOL, adverse effects/ FEMALE/ HUMAN/ *HYPERLIPEMIA, chemically induced/ HYPERLIPEMIA, complications/ *LIPOPROTEINS, LDL, blood/ *LIPOPROTEINS, VLDL, blood/ *MEGESTROL, adverse effects

3899. **Tiurin EI:** O diagnosticheskikh vozmozhnostiakh vnutrivennoĭ urografii v otsenke funktsii pochek.
Vestn Rentgenol Radiol (6):66–9, Nov–Dec 78 **(Rus)**
*CONTRAST MEDIA, administration & dosage/ EVALUATION STUDIES/ HUMAN/ INJECTIONS, INTRAVENOUS/ *IODINE, administration & dosage/ *UROGRAPHY, methods

3900. **Todd JW, Kesner RP:** Effects of posttraining injection of cholinergic agonists and antagonists into the amygdala on retention of passive avoidance training in rats.
J Comp Physiol Psychol 92(5):958–68, Oct 78
*AMYGDALOID BODY, drug effects/ AMYGDALOID BODY, physiology/ ANIMAL/ *ATROPINE, pharmacodynamics/ *AVOIDANCE LEARNING, drug effects/ AVOIDANCE LEARNING, physiology/ CARBACHOL, pharmacodynamics/ CEREBRAL VENTRICLES, physiology/ CONDITIONING, OPERANT/ CONVULSIONS, chemically induced/ DRUG ANTAGONISM/ HIPPOCAMPUS, physiology/ MALE/ *MEMORY, drug effects/ *PHYSOSTIGMINE, pharmacodynamics/ RATS/ *RETENTION (PSYCHOLOGY), drug effects/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3901. **Tokar' VI, Gurovich AA:** K mekhanizmu snizheniia ékskretsii testosterona s mochoĭ u bol'nykh s khronicheskoĭ ftoristoĭ intoksikatsieĭ. Gig Tr Prof Zabol (1):37–9, 1979 **(Rus)**
ADULT/ ANDROSTENEDIONE, urine/ CHEMICAL INDUSTRY/ CHRONIC DISEASE/ COMPARATIVE STUDY/ EPITESTOSTERONE, urine/ *FLUORIDE POISONING, urine/ HUMAN/ MALE/ MIDDLE AGE/ OCCUPATIONAL DISEASES, urine/ RUSSIAN FEDERATION (ASIA)/ *TESTOSTERONE, urine

3902. **Toledo SP, Peña EP, Assis LM, et al:** Síndrome dos ovários policísticos familiar (tipo Stein–Leventhal): níveis séricos dos hormônios luteinizante e folículo–estimulante antes e após a ressecção em cunha dos ovários. AMB 23(3):79–82, May 77 (Eng. Abstr.) **(Por)**
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ FSH, blood/ HUMAN/ LH, blood/ OVARY, surgery/ PEDIGREE/ *STEIN–LEVENTHAL SYNDROME, familial & genetic/ STEIN–LEVENTHAL SYNDROME, surgery

3903. **Tomilets VA, Dontsov VI, Zakharova IA:** Allergicheskie reaktsii nemedlennogo tipa u morskikh svinok pri razlichnykh tipakh sensibilizatsii soliami platiny.
Zh Mikrobiol Epidemiol Immunobiol (8):126–9, Aug 78 (Eng. Abstr.) **(Rus)**
ANAPHYLAXIS, etiology/ ANIMAL/ ENGLISH ABSTRACT/ FEMALE/ FREUND'S ADJUVANT, administration & dosage/ GUINEA PIGS/ HAPTENS, administration & dosage/ HISTAMINE, analysis/ *HYPERSENSITIVITY, IMMEDIATE, etiology/ HYPERSENSITIVITY, IMMEDIATE, metabolism/ MALE/ NEURAMINIC ACIDS, analysis/ OVALBUMIN, administration & dosage/ *PLATINUM, immunology/ SEROTONIN, analysis

3904. **Tomita T, Sato T, Takakuwa E, et al:** [The effect of mercuric acetate on the activity of steroid 5beta–reductase in the rat liver (author's transl)] Nippon Eiseigaku Zasshi 33(4):614–20, Oct 78 (Eng. Abstr.) **(Jpn)**
ACETATES, pharmacodynamics/ ANIMAL/ ENGLISH ABSTRACT/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ *MERCURY, pharmacodynamics/ *OXIDOREDUCTASES, analysis/ RATS/ STEROIDS

3905. **Tomonaga M, Fukushima T:** [Headache, visual disturbance and amblyopic attack associated with sellar enlargement--primary empty sella syndrome (author's transl)] No Shinkei Geka 6(12):1145–54, Dec 78 (Eng. Abstr.) **(Jpn)**
ADULT/ AMBLYOPIA, etiology/ CASE REPORT/ EMPTY SELLA SYNDROME, complications/ *EMPTY SELLA SYNDROME, diagnosis/ EMPTY SELLA SYNDROME, surgery/ ENGLISH ABSTRACT/ FEMALE/ HEADACHE, etiology/ HUMAN/ MALE/ MIDDLE AGE/ OPTIC NERVE DISEASES, etiology/ PSEUDOTUMOR CEREBRI, etiology

3906. **Tomooka Y, Yasui T:** Electron microscopic study of the response of the adrenocortical X–zone in mice treated with sex steroids. Cell Tissue Res 194(2):269–77, 20 Nov 78
ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, drug effects/ ANIMAL/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEMALE/ INJECTIONS/ MICE/ MICE, INBRED C3H/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3907. **Tomov T, Spasov S, Konstantinov B:** Dermatoglifski prouchvaniia pri purvichen i vtorichen khipogonadizum.
Vutr Boles 17(6):62–6, 1978 (Eng. Abstr.) **(Bul)**
COMPARATIVE STUDY/ *DERMATOGLYPHICS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOGONADISM, familial & genetic/ *HYPOGONADISM, pathology/ MALE/ SEX CHROMATIN, analysis/ X CHROMOSOME

3908. **Tomson FN, Lotshaw RR:** Hyperphosphatemia and hypocalcemia in lemurs. J Am Vet Med Assoc 173(9):1103–6, 1 Nov 78
ANIMAL/ *ANIMALS, ZOO/ CASE REPORT/ HYPERPARATHYROIDISM, SECONDARY, diet therapy/ HYPERPARATHYROIDISM,

SECONDARY, veterinary/ HYPOCALCEMIA, diet therapy/ *HYPOCALCEMIA, veterinary/ *LEMURS/ *PHOSPHATES, blood/ *PROSIMIANS/ VITAMIN D DEFICIENCY, diet therapy/ VITAMIN D DEFICIENCY, veterinary

3909. **Tonami N, Bunko H, Kuwajima A, et al:** [Accumulation of 201Ti in subacute thyroiditis (author's transl)]
Rinsho Hoshasen 24(1):145-8, Jan 79 (Eng. Abstr.) **(Jpn)**
ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ *RADIOISOTOPES, diagnostic use/ *THALLIUM, diagnostic use/ *THYROIDITIS, radionuclide imaging

3910. **Tonami N, Seto H, Maeda T, et al:** Increased concentration of 99mTc-methylene diphosphonate and 67Ga-citrate in extracranial bone metastases from pinealoma.
Clin Nucl Med 3(12):467-9, Dec 78
*BONE NEOPLASMS, radionuclide imaging/ *BRAIN NEOPLASMS, radionuclide imaging/ CASE REPORT/ CHILD/ CITRATES, diagnostic use/ DIPHOSPHONATES, diagnostic use/ *GALLIUM RADIOISOTOPES, diagnostic use/ HUMAN/ MALE/ NEOPLASM METASTASIS/ *PINEALOMA, radionuclide imaging/ *TECHNETIUM, diagnostic use

3911. **Tono-oka T, Nakayama M, Gotohda E, et al:** Prevention of tissue factor generation in mononuclear cells by agents known to increase intracellular cyclic AMP.
Tohoku J Exp Med 127(2):161-7, Feb 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ *AMINOPHYLLINE, pharmacodynamics/ CELLS, CULTURED/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ *EPINEPHRINE, pharmacodynamics/ HUMAN/ *THROMBOPLASTIN, metabolism

3912. **Torda C:** Effects of noradrenaline and serotonin on activity of single lateral and medial geniculate neurons.
Gen Pharmacol 9(6):455-62, 1978
ACTION POTENTIALS, drug effects/ ANIMAL/ BIOGENIC AMINES, biosynthesis/ CATS/ DOPAMINE, pharmacodynamics/ FEMALE/ *GENICULATE BODIES, drug effects/ MALE/ *NEURONS, drug effects/ NEURONS, metabolism/ *NOREPINEPHRINE, pharmacodynamics/ *SEROTONIN, pharmacodynamics/ TIME FACTORS

3913. **Torkkeli T, Krusius T, Jänne O:** Uterine and lung uteroglobins in the rabbit. Two similar proteins with differential hormonal regulation. Biochim Biophys Acta 544(3):578-92, 18 Dec 78
*ADRENAL CORTEX HORMONES, pharmacodynamics/ AMINO ACIDS, analysis/ ANIMAL/ ANIMALS, NEWBORN, metabolism/ FEMALE/ *GLYCOPROTEINS, metabolism/ *LUNG, metabolism/ MOLECULAR WEIGHT/ *PROGESTATIONAL HORMONES, pharmacodynamics/ PROGESTATIONAL HORMONES, SYNTHETIC, pharmacodynamics/ RABBITS/ RADIOIMMUNOASSAY/ UTEROGLOBIN, analysis/ *UTEROGLOBIN, metabolism/ *UTERUS, metabolism

3914. **Toru M:** [Neurotransmission mechanisms underlying seizures and epilepsies (author's transl)]
Tanpakushitsu Kakusan Koso 23(13):1345-52, 1978 **(Jpn)**
ACETYLCHOLINE, metabolism/ AMINO ACIDS, metabolism/ ANIMAL/ CATECHOLAMINES, metabolism/ CONVULSIONS, metabolism/ ELECTROENCEPHALOGRAPHY/ *EPILEPSY, physiopathology/ HUMAN/ *NEURAL TRANSMISSION/ PHENYTOIN, therapeutic use/ RATS/ *SEIZURES, physiopathology/ SEROTONIN, metabolism

3915. **Tötterman TH, Häyry P, Saksela E, et al:** Cytological and functional analysis of inflammatory infiltrates in human malignant tumors. II. Functional investigations of the infiltrating inflammatory cells. Eur J Immunol 8(12):872-5, Dec 78
CARCINOMA, PAPILLARY, pathology/ CELL SEPARATION/ *CELL TRANSFORMATION, NEOPLASTIC/ CYTOTOXICITY, IMMUNOLOGIC/ DYSGERMINOMA, pathology/ HUMAN/ INFLAMMATION, immunology/ *INFLAMMATION, pathology/ TESTICULAR NEOPLASMS, pathology/ THYROID NEOPLASMS, pathology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3916. **Touraine R, Revuz J, de Prost Y, et al:** La dermatologie en 1978. Rev Prat 28(47):3579-86, 21 Oct 78 (28 ref.) **(Fre)**
ACRODERMATITIS, etiology/ ADRENAL CORTEX HORMONES, therapeutic use/ ANIMAL/ DERMATOMYOSITIS, drug therapy/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GLUCAGON, secretion/ HEMODIALYSIS, adverse effects/ HUMAN/ MALE/ PANCREATIC NEOPLASMS, complications/ POLYCHONDRITIS, RELAPSING, drug therapy/ PORPHYRIA, etiology/ REVIEW/ *SKIN DISEASES/ SKIN DISEASES, diagnosis/ SKIN DISEASES, etiology/ SULFONES, therapeutic use/ ZINC, deficiency

3917. **Tozzini RI, Pineda RL:** El síndrome de la amenorrea post-raspado uterino. Estudio y tratamiento de 50 casos. Obstet Ginecol Lat Am 36(3-4):114-8, Mar-Apr 78 (Eng. Abstr.) **(Spa)**
ADULT/ AMENORRHEA, drug therapy/ *AMENORRHEA, etiology/ DEXAMETHASONE, administration & dosage/ *DILATATION AND CURETTAGE, adverse effects/ ENGLISH ABSTRACT/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ PREGNANCY/ PROMETHAZINE, administration & dosage/ STERILITY, FEMALE, drug therapy

3918. **Trach BP, Trach IB:** K metodike kosmeticheskogo shva pri operatsiiakh na shchitovidnoĭ zheleze. Klin Khir (12):54, Dec 78 **(Rus)**
HUMAN/ *SUTURE TECHNICS/ *THYROID GLAND, surgery

3919. **Travis LB, Chesney R, McEnery P, et al:** Growth and glucocorticoids in children with kidney disease.
Kidney Int 14(4):365-8, Oct 78 (25 ref.)
ANIMAL/ CASE REPORT/ CHILD, PRESCHOOL/ DEPRESSION, CHEMICAL/ DRUG ADMINISTRATION SCHEDULE/ GLUCOCORTICOIDS, administration & dosage/ *GLUCOCORTICOIDS, adverse effects/ GLUCOCORTICOIDS, therapeutic use/ *GROWTH DISORDERS, chemically induced/ GROWTH, drug effects/ HUMAN/ INFANT/ *KIDNEY DISEASES, drug therapy/ KIDNEY, transplantation/ MALE/ MODELS, BIOLOGICAL/ NEPHROTIC SYNDROME, drug therapy/ PREDNISONE, administration & dosage/ PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ REVIEW/ TRANSPLANTATION, HOMOLOGOUS

3920. **Trebst A:** Organization of the photosynthetic electron transport system of chloroplasts in the thylakoid membrane. pp. 84-95.

In: Schafer G, Klingenberg M, ed. Energy conservation in biological membranes. Berlin, Springer-Verlag, 1978. W3 MO87 29th 1978e. (55 ref.)
ADENOSINE TRIPHOSPHATE, metabolism/ CHLOROPLASTS, analysis/ *CHLOROPLASTS, metabolism/ ELECTRON TRANSPORT/ MEMBRANES, metabolism/ MONOGRAPH/ NADP, metabolism/ OXIDATION-REDUCTION/ OXYGEN, metabolism/ PHOTOPHOSPHORYLATION/ *PHOTOSYNTHESIS/ PLASTOCYANIN, analysis/ REVIEW

3921. **Treiman M, Pødenphant J, Saermark T, et al:** Inhibition by Ca^{2+} of the adenosine 3' :5'-cyclic monophosphate-stimulated phosphorylation of proteins in membranes from ox neurohypophyseal secretosomes.
FEBS Lett 97(1):147-50, 1 Jan 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, antagonists & inhibitors/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ *CALCIUM, pharmacodynamics/ CATTLE/ MALE/ *MEMBRANE PROTEINS, metabolism/ NERVE ENDINGS, drug effects/ *NERVE ENDINGS, metabolism/ *OXIDATIVE PHOSPHORYLATION, drug effects/ PITUITARY GLAND, POSTERIOR, drug effects/ *PITUITARY GLAND, POSTERIOR, metabolism

3922. **Trembath PW, Shaw J:** Potentiation of isoprenaline-induced plasma cyclic AMP response by aminophylline in normal and asthmatic subjects. Br J Clin Pharmacol 6(6):499-503, Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ ADULT/ *AMINOPHYLLINE, pharmacodynamics/ *ASTHMA, blood/ DRUG

SYNERGISM/ EDTA, pharmacodynamics/ HUMAN/ *ISOPROTERENOL, pharmacodynamics/ MIDDLE AGE/ TIME FACTORS

3923. **Tresca JP, Ponsard G, Degrelle H, et al:** Etude du métabolisme du 3-propyl-éther de l'estradiol 17beta comparativement à l'estradiol 17beta dans le foie de rat perfusé.
Can J Biochem 56(10):985-92, Oct 78 (Eng. Abstr.) **(Fre)**
ANIMAL/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ *ESTRADIOL, analogs & derivatives/ *ESTRADIOL, metabolism/ ESTRONE, metabolism/ KINETICS/ *LIVER, metabolism/ MALE/ NITROGEN, pharmacodynamics/ OXYGEN, pharmacodynamics/ PERFUSION/ PHENOBARBITAL, pharmacodynamics/ RATS

3924. **Tret'iakov AV:** Vysokaia polovaia selektivnost' proizvodnykh gidrazina, potentsiruiushchikh protivoopukholevoe deĭstvie tsitostatikov. Dokl Akad Nauk SSSR 243(2):537-9, 1978 **(Rus)**
ANIMAL/ *BARBITAL, pharmacodynamics/ *BARBITURATES, pharmacodynamics/ CASTRATION/ COMPARATIVE STUDY/ CORTISONE, pharmacodynamics/ DIETHYLSTILBESTROL, pharmacodynamics/ DRUG COMBINATIONS/ DRUG SYNERGISM/ FEMALE/ *HYDRAZINES, pharmacodynamics/ MALE/ MICE/ *SARCOMA 180, CROCKER, drug therapy/ SEX FACTORS/ TESTOSTERONE, pharmacodynamics/ TETRACYCLINE, pharmacodynamics/ *THIO-TEPA, pharmacodynamics

3925. **Treves G:** Luci e ombre della implantoprotesi endoossea nella donna in menopausa. Problematiche bio-umorali e bio-endocrine. Dent Cadmos 46(7):33-43, Jul 78 **(Ita)**
BONE RESORPTION, etiology/ *DENTAL IMPLANTATION, ENDOSSEOUS/ FEMALE/ HUMAN/ *MENOPAUSE/ OSTEOMALACIA, physiopathology/ OSTEOPOROSIS, physiopathology

3926. **Trewby PN, Hanid MA, Mackenzie RL, et al:** Effects of cerebral oedema and arterial hypotension on cerebral blood flow in an animal model of hepatic failure. Gut 19(11):999-1005, Nov 78
ANIMAL/ *BLOOD PRESSURE/ BRAIN, metabolism/ *CEREBROVASCULAR CIRCULATION/ CEREBROVASCULAR CIRCULATION, drug effects/ HEMOPERFUSION/ *INTRACRANIAL PRESSURE/ *LIVER DISEASES, physiopathology/ LIVER DISEASES, therapy/ METHYLPREDNISOLONE, pharmacodynamics/ OXYGEN CONSUMPTION/ SWINE

3927. **Trifaró JM, Ulpian C, Preiksaitis H:** Anti-myosin stains chromaffin cells. Experientia 34(12):1568-71, 15 Dec 78
AGGLUTINATION TESTS/ ANIMAL/ CATTLE/ CELL MEMBRANE, analysis/ *CHROMAFFIN SYSTEM, analysis/ CHROMAFFIN SYSTEM, cytology/ CYTOSOL, analysis/ FLUORESCENT ANTIBODY TECHNIC/ IGG/ IN VITRO/ MUSCLES, immunology/ *MYOSIN, analysis/ MYOSIN, immunology

3928. **Triffitt JT, Owen ME, Ashton BA, et al:** Plasma disappearance of rabbit alpha2HS-glycoprotein and its uptake by bone tissue. Calcif Tissue Res 26(2):155-61, 8 Dec 78
ANIMAL/ *BONE AND BONES, metabolism/ GLYCOPROTEINS, blood/ *GLYCOPROTEINS, metabolism/ KIDNEY, metabolism/ KINETICS/ LIVER, metabolism/ MEMBRANE PROTEINS, blood/ *MEMBRANE PROTEINS, metabolism/ RABBITS/ SPLEEN, metabolism

3929. **Trimble MR:** Serum prolactin in epilepsy and hysteria. Br Med J 2(6153):1682, 16 Dec 78
*EPILEPSY, blood/ EPILEPSY, therapy/ HUMAN/ *HYSTERIA, blood/ HYSTERIA, therapy/ *PROLACTIN, blood/ SHOCK THERAPY, ELECTRIC/ TIME FACTORS

3930. **Trindle BD, Lewis LD, Lauerman LH:** Evaluation of stress and its effects on the immune system of hand-reared mule deer fawns (Odocoileus hemionus). J Wildl Dis 14(4):523-37, Oct 78
ANIMAL/ ANTIBODY FORMATION/ BLOOD PROTEINS, analysis/ COLOSTRUM, immunology/ COMPARATIVE STUDY/ CORTICOSTERONE, urine/ CREATININE, urine/ DEER, blood/ *DEER, immunology/ DEER, physiology/ HEMATOCRIT/ HYDROCORTISONE, urine/ LEUKOCYTE COUNT/ SKIN TESTS/ *STRESS, veterinary/ TOXOIDS

3931. **Triolo L, Bertoli G:** Ruolo della serotonina piastrinica nell'iperperistaltismo dopo emorragie digestive.
Minerva Med 69(51):3531-4, 27 Oct 78 (Eng. Abstr.) **(Ita)**
*BLOOD PLATELETS, metabolism/ ENGLISH ABSTRACT/ *GASTROINTESTINAL MOTILITY/ HEMORRHAGE, GASTROINTESTINAL, blood/ *HEMORRHAGE, GASTROINTESTINAL, physiopathology/ HUMAN/ *PERISTALSIS/ *SEROTONIN, blood/ SEROTONIN, metabolism

3932. **Trokoudes KM, Rosen IB, Strawbridge HT, et al:** Carcinomatous pseudothyroiditis: a problem in differential diagnosis. Can Med Assoc J 119(8):896-8, 21 Oct 78
*ADENOCARCINOMA, PAPILLARY, diagnosis/ ADENOCARCINOMA, PAPILLARY, pathology/ ADENOCARCINOMA, PAPILLARY, surgery/ BIOPSY/ BREAST NEOPLASMS/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MIDDLE AGE/ NEOPLASM METASTASIS/ THYROID GLAND, pathology/ *THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, surgery/ THYROIDECTOMY/ *THYROIDITIS, diagnosis

3933. **Truckenbrodt H, Richter K:** Behandlung des Croup-Syndroms. Dtsch Med Wochenschr 104(4):122-3, 26 Jan 79 **(Ger)**
AMPICILLIN, therapeutic use/ BRONCHITIS, complications/ CHILD/ CHILD, PRESCHOOL/ CROUP, etiology/ *CROUP, therapy/ EPIGLOTTIS/ HUMAN/ INFANT/ LARYNGITIS, complications/ LARYNGITIS, drug therapy/ *LARYNGITIS, therapy/ PREDNISOLONE, therapeutic use/ PREDNISONE, therapeutic use/ SYNDROME/ TRACHEITIS, complications

3934. **Truss F:** Die operative Behandlung maligner Hodengeschwülste. Onkologie 1(6):234-7, Dec 78 (Eng. Abstr.) **(Ger)**
ADULT/ CHILD/ ENGLISH ABSTRACT/ HUMAN/ LYMPHATIC METASTASIS/ MALE/ NEOPLASM METASTASIS/ NEOPLASM STAGING/ TESTICULAR NEOPLASMS, diagnosis/ *TESTICULAR NEOPLASMS, surgery

3935. **Tsarikovskaia NG, Tkach FS, David'iants LS:** Khirurgicheskoe lechenie pervichnogo giperparatireoza. Klin Khir (12):12-5, Dec 78 (Eng. Abstr.) **(Rus)**
*ADENOMA, surgery/ ADOLESCENCE/ ADULT/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, surgery/ MALE/ MIDDLE AGE/ *THYROID NEOPLASMS, surgery

3936. **Tscholl-Ducommun J:** Carcinome folliculaire avec dédifférenciation sarcomatoïde ou carcinosarcome de la glande thyroïde? Schweiz Med Wochenschr 109(3):86-92, 20 Jan 79 (Eng. Abstr.) **(Fre)**
AGED/ *CARCINOMA, diagnosis/ *CARCINOSARCOMA, diagnosis/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ GOITER, complications/ HUMAN/ LUNG NEOPLASMS/ NEOPLASM METASTASIS/ *THYROID NEOPLASMS, diagnosis

3937. **Tschöpe W, Schmidt-Gayk H, Ritz E, et al:** Thiazid (TH)-Therapie bei idiopathischer Hypercalciurie (IHC)--Einfluss auf Parathormon (PTH)-Sekretion.
Verh Dtsch Ges Inn Med (84):1431-4, 1978 **(Ger)**
ADULT/ *CALCIUM, urine/ *DIURETICS, THIAZIDE, therapeutic use/ FEMALE/ HUMAN/ MALE/ PARATHYROID GLANDS, drug effects/ *PARATHYROID HORMONE, secretion

3938. **Tse JS, Shibayama Y, Lin BJ:** Electroncytochemical and biochemical demonstration of guanylate cyclase activity in the pancreatic islet. Histochemistry 58(4):297-305, 13 Dec 78
ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ CELL MEMBRANE, enzymology/ *GUANYL CYCLASE, analysis/ GUANYL CYCLASE, metabolism/ GUANYLYL IMIDODIPHOSPHATE, metabolism/ HISTOCYTOCHEMISTRY/ *ISLANDS OF LANGERHANS, enzymology/ MALE/ RATS

3939. **Tsuchiya E, Fukui S:** Binding of rhodotorucine A, a lipopeptidyl mating hormone, to a cells of Rhodosporidium toruloides for induction of sexual differentiation.

Biochem Biophys Res Commun 85(1):473–9, 14 Nov 78
*BASIDIOMYCETES, physiology/ *FARNESOL, analogs & derivatives/ FARNESOL, metabolism/ *HORMONES/ KINETICS/ *OLIGOPEPTIDES, metabolism/ PROTEIN BINDING/ TEMPERATURE/ *USTILAGINALES, physiology

3940. **Tsuchiya E, Fukui S, Kamiya Y, et al:** Requirements of chemical structure of hormonal activity of lipopeptidyl factors inducing sexual differentiation in vegetative cells of heterobasidiomycetous yeasts.
Biochem Biophys Res Commun 85(1):459–63, 14 Nov 78
AMINO ACID SEQUENCE/ *BASIDIOMYCETES, physiology/ *HORMONES/ *LIPOPROTEINS, physiology/ SPECIES SPECIFICITY

3941. **Tsuchiya H:** [Inhibitory effects of estrogen on the differentiation of stem cells toward the immunologically competent cells (author's transl)]
Nippon Ketsueki Gakkai Zasshi 41(5):923–8, Oct 78 (Eng. Abstr.) **(Jpn)**
ANIMAL/ *ANTIBODY FORMATION, drug effects/ BONE MARROW, transplantation/ *CELL DIFFERENTIATION, drug effects/ ENGLISH ABSTRACT/ ESTRIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ *HEMATOPOIETIC STEM CELLS, immunology/ MALE/ MICE/ TRANSPLANTATION, HOMOLOGOUS

3942. **Tsunematsu Y, Sasaki M, Koide T, et al:** [Myeloproliferative disorder and hepatocellular adenoma following androgen treatment of a patient with aplastic anemia (author's transl)]
Rinsho Ketsueki 19(12):1699–707, Dec 78 **(Jpn)**
*ANDROGENS, adverse effects/ *ANEMIA, APLASTIC, drug therapy/ ANEMIA, APLASTIC, pathology/ CASE REPORT/ CHILD/ *HEPATOMA, chemically induced/ HEPATOMA, pathology/ HUMAN/ *LIVER NEOPLASMS, chemically induced/ LIVER NEOPLASMS, pathology/ MALE/ *MYELOPROLIFERATIVE DISORDERS, etiology/ MYELOPROLIFERATIVE DISORDERS, pathology

3943. **Tsutsui K, Ishii S:** Effects of follicle-stimulating hormone and testosterone on receptors of follicle-stimulating hormone in the testis of the immature Japanese quail.
Gen Comp Endocrinol 36(2):297–305, Oct 78
AGING/ ANIMAL/ CIRCADIAN RHYTHM/ DARKNESS/ FSH, metabolism/ *FSH, pharmacodynamics/ KINETICS/ LIGHT/ MALE/ QUAIL/ RECEPTORS, HORMONE, drug effects/ *RECEPTORS, HORMONE, metabolism/ TESTIS, drug effects/ TESTIS, growth & development/ *TESTIS, metabolism/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS

3944. **Tsuyumu M, Fujiwara K, Yamaguchi T, et al:** [Metrizamide CT cisternography in skull base tumors (author's transl)]
No Shinkei Geka 7(1):49–54, Jan 79 (Eng. Abstr.) **(Jpn)**
*BRAIN NEOPLASMS, radiography/ CHILD/ CISTERNA MAGNA, radiography/ CRANIOPHARYNGIOMA, radiography/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MENINGEAL NEOPLASMS, radiography/ MENINGIOMA, radiography/ *METRIZAMIDE, diagnostic use/ MIDDLE AGE/ NEUROMA, ACOUSTIC, radiography/ *TOMOGRAPHY, COMPUTERIZED AXIAL

3945. **Tucker RP, Weinstein HE, Schteingart DE, et al:** EEG changes and serum cortisol levels in cushing's syndrome.
Clin Electroencephalogr 9(1):32–7, Jan 78
ADENOMA, complications/ ADULT/ CUSHING'S SYNDROME, complications/ *CUSHING'S SYNDROME, metabolism/ *ELECTROENCEPHALOGRAPHY/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ PITUITARY NEOPLASMS, complications

3946. **Tuganowski W, Kopec P:** Effect of exogenous cAMP in the rabbit right auricle. Pol J Pharmacol Pharm 30(4):451–4, Jul–Aug 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ *HEART RATE, drug effects/ IN VITRO/ *MYOCARDIAL CONTRACTION, drug effects/ RABBITS/ TIME FACTORS

3947. **Tuig JG, Trostler N, Romsos DB, et al:** Heat production of lean and obese (Ob/Ob) mice in response to fasting, food restriction or thyroxine. Proc Soc Exp Biol Med 160(2):266–71, Feb 79
ANIMAL/ *BODY TEMPERATURE REGULATION, drug effects/ BODY WEIGHT, drug effects/ CALORIC INTAKE/ *FASTING/ MALE/ MICE/ MICE, INBRED C57BL/ MICE, OBESE/ OBESITY, pathology/ *OBESITY, physiopathology/ *THYROXINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3948. **Tunbridge WM:** Acromegaly; a rare condition which develops insidiously. Nurs Times 75(3):110–2, 18 Jan 79
ACROMEGALY, etiology/ *ACROMEGALY, metabolism/ ACROMEGALY, therapy/ HUMAN/ PITUITARY NEOPLASMS, complications/ *SOMATOTROPIN, secretion

3949. **Turakulov IaKh, Salakhova NS, Tashkhodzhaeva TP, et al:** Vliianie iodida i perkhlorata kaliia na protsess sekretsii tireoidnykh gormonov. Biull Eksp Biol Med 86(12):653–5, Dec 78 (Eng. Abstr.) **(Rus)**
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ ANIMAL/ DRUG INTERACTIONS/ ENGLISH ABSTRACT/ PERCHLORIC ACIDS, administration & dosage/ *PERCHLORIC ACIDS, pharmacodynamics/ POTASSIUM IODIDE, administration & dosage/ POTASSIUM IODIDE, pharmacodynamics/ POTASSIUM, administration & dosage/ *POTASSIUM, pharmacodynamics/ RATS/ THYROID GLAND, analysis/ *THYROID GLAND, drug effects/ THYROID GLAND, secretion/ THYROTROPIN, pharmacodynamics

3950. **Turlapaty PD, Altura BM:** Extracellular magnesium ions control calcium exchange and content of vascular smooth muscle. Eur J Pharmacol 52(3–4):421–3, 1 Dec 78
ANIMAL/ AORTA, metabolism/ BLOOD VESSELS, drug effects/ *BLOOD VESSELS, metabolism/ *CALCIUM, metabolism/ IN VITRO/ *MAGNESIUM, pharmacodynamics/ MALE/ MUSCLE, SMOOTH, drug effects/ *MUSCLE, SMOOTH, metabolism/ PORTAL VEIN, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3951. **Turner BH, Mishkin M, Knapp ME:** Distribution of the anterior commissure to the amygdaloid complex in the monkey.
Brain Res 162(2):331–7, 23 Feb 79
AFFERENT PATHWAYS, anatomy & histology/ *AMYGDALOID BODY, anatomy & histology/ ANIMAL/ *CEREBRAL CORTEX, anatomy & histology/ DOMINANCE, CEREBRAL, physiology/ MONKEYS/ NERVE DEGENERATION/ OLFACTORY BULB, anatomy & histology/ RHESUS MONKEYS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3952. **Turner GA, Ghneim H, Freeman J:** Evaluation of 3,4-dinitrophenyl tetra-N-acetyl-beta-chitotetraoside as a substrate for the measurement of lysozyme in normal and pathological sera. Ann Clin Biochem 16(1):51–3, Jan 79
BIOLOGICAL ASSAY/ *CHITIN, analogs & derivatives/ CHITIN, diagnostic use/ COLITIS, ULCERATIVE, enzymology/ COLORIMETRY/ DINITROBENZENES, diagnostic use/ ENTERITIS, REGIONAL/ FEMALE/ HUMAN/ IN VITRO/ MICROCOCCUS, drug effects/ *MURAMIDASE, blood/ OVARIAN NEOPLASMS, enzymology/ TURBIDIMETRY

3953. **Turner JD, Cottrell GA:** Cellular accumulation of amines and amino acids in the central ganglia of a gastropod mollusc, Planorbis corneus: an autoradiographic study.
J Neurocytol 7(6):759–76, Dec 78
*AMINES, metabolism/ *AMINO ACIDS, metabolism/ ANIMAL/ DOPAMINE, metabolism/ *GANGLIA, metabolism/ GLUTAMATES, metabolism/ GLYCINE, metabolism/ GABA, metabolism/ HISTAMINE, metabolism/ HYDROXYTRYPTOPHAN, metabolism/ LEVODOPA, metabolism/ *MOLLUSCA, metabolism/ NEURONS, metabolism/ SEROTONIN, metabolism/ TYRAMINE, metabolism

3954. **Turner MR:** Effect of age and diet on hormone function.
Proc Nutr Soc 37(3):295–9, Dec 78
ADULT/ AGE FACTORS/ AGING/ ANIMAL/ BLOOD SUGAR, metabolism/ *DIET/ GLUCOSE TOLERANCE TEST/ *HORMONES, physiology/ HUMAN/ INFANT/ RABBITS

3955. **Turner TW:** Eczema in the young. Aust Fam Physician 7(12):1485–8, Dec 78

ADRENAL CORTEX HORMONES, therapeutic use/ BANDAGES/ BATHS, adverse effects/ *ECZEMA/ ECZEMA, etiology/ ECZEMA, therapy/ HEAT, adverse effects/ HUMAN/ HYPERSENSITIVITY, complications/ INFANT/ INFECTION, complications/ OINTMENTS/ VEHICLES

3956. **Tutschka BG, Lauchlan SC:** Psammoma bodies in cervico-vaginal smears. Case report and review of the literature. Acta Cytol (Baltimore) 22(6):507-10, Nov-Dec 78
*ADENOFIBROMA, pathology/ CASE REPORT/ FEMALE/ HUMAN/ HYPERPLASIA/ MIDDLE AGE/ *OVARIAN NEOPLASMS, pathology/ *OVARY, pathology/ *VAGINAL SMEARS

3957. **Tyagi SP, Madan A, Mohsin S, et al:** Germ cell tumours of the ovary--a histopathological study.
Indian J Pathol Microbiol 21(2):97-105, Apr 78
ADOLESCENCE/ ADULT/ CHILD/ *DYSGERMINOMA, pathology/ FEMALE/ HUMAN/ MIDDLE AGE/ *OVARIAN NEOPLASMS, pathology/ *STRUMA OVARII, pathology/ *TERATOID TUMOR, pathology

3958. **Typhagne F, Revuz J, Touraine R:** Le traitement des dermatomyosites. A propos de 16 cas.
Ann Dermatol Venereol 105(6-7):593-8, Jun-Jul 78 (Eng. Abstr.) **(Fre)**
ACUTE DISEASE/ ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHLOROQUINE, therapeutic use/ CREATINE KINASE, blood/ CYCLOPHOSPHAMIDE, therapeutic use/ *DERMATOMYOSITIS, drug therapy/ DERMATOMYOSITIS, enzymology/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ HUMAN/ LACTATE DEHYDROGENASE, blood/ MIDDLE AGE/ *PREDNISOLONE, therapeutic use/ PREDNISONE, adverse effects/ *PREDNISONE, therapeutic use

3959. **Tyrer LB, Mazlen RG, Bradshaw LE:** Meeting the special needs of pregnant teenagers. Clin Obstet Gynecol 21(4):1199-213, Dec 78
ADOLESCENCE/ CALORIC INTAKE/ CONTRACEPTION/ CONTRACEPTIVES, ORAL/ EDUCATION/ FAMILY/ FEMALE/ HEALTH EDUCATION/ HUMAN/ NUTRITION/ NUTRITIONAL REQUIREMENTS/ PHYSICIAN'S ROLE/ *PREGNANCY IN ADOLESCENCE/ PREGNANCY/ PRENATAL CARE/ VITAMINS

3960. **Tzingounis V, Alperin H, Natrajan P:** Radiographic abnormalities in patients with Stein-Leventhal syndrome.
Int J Gynaecol Obstet 16(2):167-9, 1978-79
FEMALE/ HUMAN/ HYSTEROSALPINGOGRAPHY/ KIDNEY, abnormalities/ KIDNEY, radiography/ PROLACTIN, blood/ RETROSPECTIVE STUDIES/ SELLA TURCICA, radiography/ *STEIN-LEVENTHAL SYNDROME, radiography/ UTERUS, abnormalities

U

3961. **Uchino J, Hata Y, Shinada Y, et al:** Tumeur de la membrane vitelline. Chir Pediatr 19(1):33-7, 1978 (Eng. Abstr.) **(Fre)**
ALPHA FETOPROTEINS, analysis/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ MESONEPHROMA, analysis/ *MESONEPHROMA, diagnosis/ MESONEPHROMA, pathology/ RETROPERITONEAL NEOPLASMS, analysis/ RETROPERITONEAL NEOPLASMS, diagnosis/ RETROPERITONEAL NEOPLASMS, pathology/ TESTICULAR NEOPLASMS, analysis/ TESTICULAR NEOPLASMS, diagnosis/ TESTICULAR NEOPLASMS, pathology

3962. **Uchiyama M, Yoshihara M, Murakami T, et al:** Presence of a hypocalcemic factor in the ultimobranchial gland of the snake. Gen Comp Endocrinol 36(1):59-62, Sep 78
ANIMAL/ *CALCITONIN, pharmacodynamics/ *CALCIUM, blood/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ MALE/ RATS/ *SNAKES/ THYROID GLAND/ TISSUE EXTRACTS, pharmacodynamics/ *ULTIMOBRANCHIAL BODY, analysis

3963. **Uddströmer L, Ritsilä V:** Osteogenic capacity of periosteal grafts. A qualitative and quantitative study of membranous and tubular bone periosteum in young rabbits.
Scand J Plast Reconstr Surg 12(3):207-14, 1978
ANIMAL/ BONE AND BONES, analysis/ BONE AND BONES, cytology/ CALCIUM, analysis/ FEMALE/ HISTOLOGICAL TECHNICS/ MALE/ MODELS, BIOLOGICAL/ *OSTEOGENESIS/ *PERIOSTEUM, transplantation/ RABBITS/ SKULL, surgery/ SPECTROPHOTOMETRY/ TIBIA, cytology/ TIBIA, surgery/ TIME FACTORS/ TRANSPLANTATION, AUTOLOGOUS

3964. **Ueda G, Sato Y, Yamasaki M, et al:** Strumal carcinoid of the ovary: histological, ultrastructural, and immunohistological studies with anti-human thyroglobulin. Gynecol Oncol 6(5):411-9, Oct 78
ADULT/ CARCINOID TUMOR, metabolism/ *CARCINOID TUMOR, ultrastructure/ CASE REPORT/ CHORISTOMA, metabolism/ *CHORISTOMA, ultrastructure/ CYTOPLASMIC GRANULES, ultrastructure/ DERMOID CYST, ultrastructure/ FEMALE/ HUMAN/ NEOPLASMS, MULTIPLE PRIMARY, ultrastructure/ OVARIAN NEOPLASMS, metabolism/ *OVARIAN NEOPLASMS, ultrastructure/ *THYROGLOBULIN, metabolism/ *THYROID GLAND

3965. **Ueda M, Matsuda S, Tonda K, et al:** Antihypertensive effect of trichlormethiazide in spontaneously hypertensive rats.
Jpn J Pharmacol 28(4):617-26, Aug 78
ANIMAL/ *ANTIHYPERTENSIVE AGENTS/ BLOOD PRESSURE, drug effects/ CATECHOLAMINES, analysis/ DIURETICS/ DRINKING, drug effects/ ELECTROLYTES, urine/ FEMALE/ HEART RATE, drug effects/ HYDROCHLOROTHIAZIDE, pharmacodynamics/ MALE/ ORGAN WEIGHT, drug effects/ RATS/ SEROTONIN, analysis/ SEX FACTORS/ TISSUE DISTRIBUTION/ *TRICHLORMETHIAZIDE, pharmacodynamics/ URIC ACID, urine

3966. **Ueda T, Aima H:** [Prolactin secretion tests]
Horumon To Rinsho 26(10):999-1006, Oct 78 **(Jpn)**
*ADENOMA, blood/ ADENOMA, CHROMOPHOBE, blood/ ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/ MALE/ *PITUITARY NEOPLASMS, blood/ *PROLACTIN, blood/ *RADIOIMMUNOASSAY, methods

3967. **Ueki M, Watanabe K, Kanki S, et al:** Menstrual cyclic changes in a progesterone receptor in normal human endometrium.
Bull Osaka Med Sch 24(1):16-22, Jul 78
*ENDOMETRIUM, metabolism/ FEMALE/ HUMAN/ *MENSTRUATION/ *RECEPTORS, PROGESTERONE, metabolism/ TISSUE CULTURE

3968. **Ueno K, Hariki K, Tatsumura T:** The value of thallium-201 imaging in the diagnosis of thyroid carcinoma in a patient with negative 99mTc and 131I scans. Clin Nucl Med 3(11):447-8, Nov 78
*ADENOCARCINOMA, PAPILLARY, radionuclide imaging/ ADULT/ CASE REPORT/ COMPARATIVE STUDY/ FALSE NEGATIVE REACTIONS/ FEMALE/ HUMAN/ *IODINE RADIOISOTOPES, diagnostic use/ *RADIOISOTOPES, diagnostic use/ *TECHNETIUM, diagnostic use/ *THALLIUM, diagnostic use/ THYROID GLAND, radionuclide imaging/ *THYROID NEOPLASMS, radionuclide imaging

3969. **Ugolotti G, Contini C, Stagni G, et al:** Orchiscintigrafia. Metodica ed applicazioni. Radiol Med (Torino) 64(5):595-8, May 78 **(Ita)**
ABSCESS, radionuclide imaging/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ MALE/ ORCHITIS, radionuclide imaging/ SPERMATIC CORD TORSION, radionuclide imaging/ TECHNETIUM, diagnostic use/ *TESTICULAR DISEASES, radionuclide imaging/ VARICOCELE, radionuclide imaging

3970. **Ugriumov MV:** Izuchenie puteĭ proniknoveniia veshchestv v neĭrosekretornye aksony v zadneĭ dole gipofiza krysy.
Tsitologiia 20(11):1243-8, Nov 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ *AXONS, metabolism/ CHOLINESTERASES, metabolism/ ENGLISH ABSTRACT/ FERRITIN, metabolism/ HORSERADISH PEROXIDASE, metabolism/ MALE/ *NEUROSECRETORY SYSTEMS, metabolism/ *PITUITARY GLAND, POSTERIOR, metabolism/ RATS/ SYNAPTIC VESICLES, metabolism/ TIME FACTORS

3971. **Ugriumov MV:** Izmenenie gipotalamo-gipofizarnoĭ neĭrosekretornoĭ sistemy mlekopitaiushchkikh posle peresecheniia steblia gipofiza i gipofizéktomii.
Arkh Anat Gistol Embriol 75(12):73–84, Dec 78 (81 ref.) (Eng. Abstr.) **(Rus)**
ADAPTATION, PHYSIOLOGICAL/ ANIMAL/ CAPILLARIES, pathology/ DIABETES INSIPIDUS, etiology/ ENGLISH ABSTRACT/ HUMAN/ HYPOPHYSECTOMY, adverse effects/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, blood supply/ MEDIAN EMINENCE, ultrastructure/ MICROSCOPY, ELECTRON/ NEUROSECRETION/ PARAVENTRICULAR NUCLEUS, pathology/ PITUITARY GLAND, pathology/ *PITUITARY GLAND, surgery/ PITUITARY GLAND, ultrastructure/ RATS/ REVIEW/ STRESS, physiopathology/ SUPRAOPTIC NUCLEUS, ultrastructure/ TIME FACTORS

3972. **Ulrich L:** Untersuchungen über den Bleigehalt in Wirbeln und Rippen. Arch Toxicol 41(2):133–48, 11 Dec 78 (Eng. Abstr.) **(Ger)**
AGE FACTORS/ *BONE AND BONES, analysis/ CHEMISTRY/ ENGLISH ABSTRACT/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, ANCIENT/ HUMAN/ *LEAD, analysis/ RIBS, analysis/ SPECTROPHOTOMETRY/ SPINE, analysis

3973. **Umezu K, Moore KE:** Effects of drugs on regional brain concentrations of dopamine and dihydroxyphenylacetic acid.
J Pharmacol Exp Ther 208(1):49–56, Jan 79
ANIMAL/ BRAIN, drug effects/ *BRAIN, metabolism/ *DOPAMINE, metabolism/ ESTRADIOL, pharmacodynamics/ MALE/ METHODS/ PARGYLINE, pharmacodynamics/ *PHENYLACETATES, metabolism/ PROBENECID, pharmacodynamics/ RATS/ RESERPINE, pharmacodynamics/ TRANQUILIZING AGENTS, MAJOR, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *3,4-DIHYDROXYPHENYLACETIC ACID, metabolism

3974. **Ungar F, Gunville R, Seabloom RW:** Seasonal variation in adrenal 11beta-hydroxysteroid dehydrogenase activity in the meadow vole (Microtus pennsylvanicus).
Gen Comp Endocrinol 36(1):111–8, Sep 78
*ADRENAL GLANDS, enzymology/ ANIMAL/ COMPARATIVE STUDY/ CORTICOSTERONE, analogs & derivatives/ CORTICOSTERONE, metabolism/ FEMALE/ *HYDROXYSTEROID DEHYDROGENASES, metabolism/ MALE/ MICE/ PROGESTERONE, metabolism/ RATS/ *RODENTS, metabolism/ SEASONS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VOLES, metabolism

3975. **Uozumi T, Mori S, Matsumura S:** [Prolactin secreting pituitary neoplasms] Horumon To Rinsho 26(10):1007–14, Oct 78 **(Jpn)**
ADENOMA, cerebrospinal fluid/ *ADENOMA, secretion/ FEMALE/ HUMAN/ PITUITARY NEOPLASMS, cerebrospinal fluid/ *PITUITARY NEOPLASMS, secretion/ PROLACTIN, cerebrospinal fluid/ *PROLACTIN, secretion/ RADIOIMMUNOASSAY

3976. **Uozumi T, Shima T, Mori S:** [A case of internal carotid giant aneurysm with bilateral visual disturbance and panhypopituitarism treated by direct surgery (author's transl)] No Shinkei Geka 7(1):25–31, Jan 79 (Eng. Abstr.) **(Jpn)**
CAROTID ARTERY DISEASES, complications/ CAROTID ARTERY DISEASES, radiography/ *CAROTID ARTERY DISEASES, surgery/ CAROTID ARTERY, INTERNAL, surgery/ CASE REPORT/ CEREBRAL ANEURYSM, complications/ CEREBRAL ANEURYSM, radiography/ *CEREBRAL ANEURYSM, surgery/ CRANIOTOMY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOPITUITARISM, etiology/ MIDDLE AGE/ *VISION DISORDERS, etiology/ VISUAL FIELDS

3977. **Urban I:** The effect of ACTH on the arterial blood pressure, heart rate and blood histamine level in rabbits.
Acta Physiol Pol 29(4):349–52, 1978
ANIMAL/ *BLOOD PRESSURE, drug effects/ *CORTICOTROPIN, pharmacodynamics/ *HEART RATE, drug effects/ *HISTAMINE, blood/ RABBITS

3978. **Urdanivia E, Pek S, Santiago JC:** Inhibition of glucagon secretion by diazoxide in vitro. Diabetes 28(1):26–31, Jan 79
ANIMAL/ ARGININE, pharmacodynamics/ *DIAZOXIDE, pharmacodynamics/ GLUCAGON, blood/ *GLUCAGON, secretion/ IN VITRO/ INSULIN, blood/ LEUCINE, pharmacodynamics/ MALE/ PANCREAS, drug effects/ *PANCREAS, secretion/ PROSTAGLANDINS F, pharmacodynamics/ RATS/ SOMATOTROPIN, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3979. **Uroshleva LA, Molchanova GIa, Bogoiavlenskaia NB:** Izmeneniia aktivnosti degidrogenaz pentozofosfatnogo tsikla v eritrotsitakh krovi roditel'nits pri laktatsii i kormlenii grud'iu novorozhdennogo. Vopr Okhr Materin Det 23(11):80, Nov 78 **(Rus)**
ADULT/ *BREAST FEEDING/ *ERYTHROCYTES, metabolism/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *LACTATION/ *OXIDOREDUCTASES, blood/ *PENTOSEPHOSPHATES, metabolism/ PREGNANCY

3980. **Ussing HH:** Physiology of transport regulation.
J Membr Biol 40 Spec No:5–14, 1978
ANIMAL/ *BIOLOGICAL TRANSPORT, drug effects/ CELL NUMBER/ CHLORIDES, metabolism/ EPITHELIUM, metabolism/ FROGS/ KINETICS/ SKIN, metabolism/ *SODIUM, metabolism/ VASOPRESSINS, pharmacodynamics

V

3981. **Vachtenheim J:** Lupus eritematoso disseminato e malattie infettive. Clin Ter 87(1):3–13, 15 Oct 78 (Eng. Abstr.) **(Ita)**
ADRENAL CORTEX HORMONES, therapeutic use/ *ARTHRITIS, RHEUMATOID, complications/ *BACTERIAL INFECTIONS, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ MALE/ *MYCOSES, complications/ *VIRUS DISEASES, complications

3982. **Vad LB, Pansare MS, Mehta LN:** Effect of stilbestrol on adrenals and prostate in rats. Indian J Med Res 68:769–73, Nov 78
ADRENAL GLANDS, anatomy & histology/ *ADRENAL GLANDS, drug effects/ ANIMAL/ *DIETHYLSTILBESTROL, pharmacodynamics/ MALE/ ORGAN WEIGHT, drug effects/ PROSTATE, anatomy & histology/ *PROSTATE, drug effects/ RATS

3983. **Vagneur JP, Argémi B, Codaccioni JL, et al:** L'insuffisance parathyroïdienne de l'adulte. Ann Endocrinol (Paris) 39(5):373–85, 1978 (Eng. Abstr.) **(Fre)**
ADULT/ CALCIUM, blood/ CALCIUM, urine/ *DIHYDROTACHYSTEROL, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, therapeutic use/ HYPOPARATHYROIDISM, diagnosis/ *HYPOPARATHYROIDISM, drug therapy/ MALE/ PHOSPHATES, blood/ SEASONS/ THYROIDECTOMY

3984. **Vaidya AB:** Drug receptors--an overview.
J Assoc Physicians India 26(8):727–34, Aug 78
RECEPTORS, ADRENERGIC, metabolism/ RECEPTORS, CHOLINERGIC, metabolism/ *RECEPTORS, DRUG, metabolism/ RECEPTORS, HISTAMINE, metabolism/ RECEPTORS, HORMONE, metabolism/ RECEPTORS, NARCOTIC, metabolism

3985. **Vakharia DD, Vakharia MR, Munshi SR, et al:** Suitability of leukocyte migration test in assessing immune pathology in rabbits. Indian J Med Res 68:805–10, Nov 78
ADRENAL GLANDS, immunology/ ANIMAL/ *AUTOIMMUNE DISEASES, immunology/ *CELL MIGRATION INHIBITION/ KIDNEY, immunology/ *LEUKOCYTES, immunology/ LIVER, immunology/ RABBITS

3986. **Vakili A, Puri S, Spencer RP:** Augmented skeletal accumulation of Ga-67: a variant in children. Int J Nucl Med Biol 5(6):249–51, 1978

*BONE AND BONES, radionuclide imaging/ CASE REPORT/ CHILD, PRESCHOOL/ *GALLIUM RADIOISOTOPES, diagnostic use/ HUMAN/ HYDRONEPHROSIS, diagnosis/ LEUKEMIA, MYELOCYTIC, diagnosis/ LIVER, radionuclide imaging/ MALE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3987. **Val-Sella MV, Fava-de-Moraes F, Sawaya P:** Cell types and glycoprotein cytochemistry in the carp adenohypophysis (Cyprinus carpio L.). Cell Mol Biol 23(3):255–31, 1978
ANIMAL/ *CARP, anatomy & histology/ *CYPRINIDAE, anatomy & histology/ FEMALE/ *GLYCOPROTEINS, analysis/ HISTOCYTOCHEMISTRY/ *PITUITARY GLAND, ANTERIOR, cytology/ PITUITARY GLAND, ANTERIOR, metabolism/ REPRODUCTION

3988. **Valentík M, Višňovský P:** K mechanismu ulcerogénneho účinku fenylbutazónu a indometacínu. Cesk Gastroenterol Vyz 32(8):494–500, Dec 78 (61 ref.) **(Slo)**
ADRENALECTOMY, adverse effects/ ANIMAL/ FEMALE/ GASTRIC JUICE, secretion/ GASTRIC MUCOSA, drug effects/ GUINEA PIGS/ HISTIDINE DECARBOXYLASE, metabolism/ INDOMETHACIN, administration & dosage/ *INDOMETHACIN, adverse effects/ MALE/ MICE/ *PEPTIC ULCER, chemically induced/ PHENYLBUTAZONE, administration & dosage/ *PHENYLBUTAZONE, adverse effects/ RATS/ REVIEW/ STOMACH ULCER, chemically induced/ VAGOTOMY, adverse effects

3989. **Valenzuela CY, Rothhammer F, Chakraborty R:** Sex dimorphism in adult stature in four Chilean populations. Ann Hum Biol 5(6):533–8, Nov 78
ADULT/ ABO BLOOD-GROUP SYSTEM/ *BODY HEIGHT/ CHILE/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ MALE/ MARRIAGE/ *POLYMORPHISM (GENETICS)/ *RACIAL STOCKS/ SEX CHROMOSOMES/ *SEX

3990. **Valin C, Renerre M, Touraille C, et al:** Influence de la forme d'apport de l'énergie dans la ration et de l'utilisation d'anabolisants sur la qualité de la viande de veau. Ann Nutr Aliment 32(4):857–67, 1978 (Eng. Abstr.) **(Fre)**
*ANABOLIC STEROIDS, pharmacodynamics/ ANIMAL/ BODY WEIGHT/ *CALORIC INTAKE/ CATTLE/ COLLAGEN, analysis/ COLOR/ COOKERY/ *DIET/ ENGLISH ABSTRACT/ ESTRADIOL, pharmacodynamics/ *FOOD TECHNOLOGY/ HYDROGEN-ION CONCENTRATION/ LIPIDS, pharmacodynamics/ MALE/ *MEAT/ STARCH, pharmacodynamics/ TRENBOLONE, analogs & derivatives/ TRENBOLONE, pharmacodynamics

3991. **Valkov I, Dokumov S, Janev D:** Gonadotrope Sekretion bei Kranken mit testikulärer Feminisierung. Zentralbl Gynaekol 100(21):1399–402, 1978 (Eng. Abstr.) **(Ger)**
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ ESTRADIOL, blood/ *FSH, blood/ HUMAN/ *LH, blood/ LH-FSH RELEASING HORMONE, administration & dosage/ MALE/ STIMULATION, CHEMICAL/ *TESTICULAR FEMINIZATION, blood/ TESTOSTERONE, blood

3992. **Valone FH, Austen KF, Goetzl EJ:** Identification of the platelet activating activity in rheumatoid synovial fluid as an intermediate molecular weight complex of IgG. J Immunol 122(2):703–9, Feb 79
ANTIGEN-ANTIBODY COMPLEX/ *ARTHRITIS, RHEUMATOID, immunology/ *BLOOD PLATELETS, immunology/ CATTLE/ CHROMATOGRAPHY, GEL/ DOSE-RESPONSE RELATIONSHIP, IMMUNOLOGIC/ GEL DIFFUSION TESTS/ HUMAN/ *IGG, immunology/ MOLECULAR WEIGHT/ PLATELET AGGREGATION/ RABBITS/ SEROTONIN, metabolism/ *SYNOVIAL FLUID, immunology/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S

3993. **Van Berkel TJ, Kruijt JK, Van den Berg GB, et al:** Difference in the effect of glucagon and starvation upon L-type pyruvate kinase from rat liver. Eur J Biochem 92(2):553–61, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FLUORIDES, pharmacodynamics/ *GLUCAGON, pharmacodynamics/ LIVER, cytology/ *LIVER, enzymology/ MAGNESIUM, pharmacodynamics/ PHOSPHOENOLPYRUVATE, metabolism/ *PYRUVATE KINASE, metabolism/ RATS/ *STARVATION

3994. **Van Bogaert LJ:** Pathogénie du syndrome prémenstruel. Nouv Presse Med 7(43):3921–4, 2 Dec 78 (Eng. Abstr.) **(Fre)**
ENGLISH ABSTRACT/ ESTROGENS, physiology/ FEMALE/ HUMAN/ *PREMENSTRUAL TENSION, etiology/ PREMENSTRUAL TENSION, physiopathology/ PROGESTERONE, physiology/ PROLACTIN, physiology/ WATER-ELECTROLYTE BALANCE

3995. **van Buul PP, Natarajan AT, Verdegaal-Immerzeel EA:** Suppression of the frequencies of sister chromatid exchanges in Bloom's syndrome fibroblasts by co-cultivation with Chinese hamster cells. Hum Genet 44(2):187–9, 31 Oct 78
*ABNORMALITIES, MULTIPLE, familial & genetic/ CELL COMMUNICATION/ CELLS, CULTURED/ *CROSSING OVER (GENETICS)/ *DWARFISM, familial & genetic/ HUMAN/ *SKIN DISEASES, familial & genetic/ SYNDROME/ TISSUE CULTURE, methods

3996. **van de Kar L, Levine J, Van Orden LS 3d:** Serotonin in hypothalamic nuclei: increased content after castration of male rats. Neuroendocrinology 27(3-4):186–92, 1978
ANIMAL/ BRAIN MAPPING/ *CASTRATION/ *HYPOTHALAMUS, analysis/ *LH, blood/ MALE/ RATS/ *SEROTONIN, analysis/ TESTIS, physiology/ TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3997. **van de Kar LD, Lorens SA:** Differential serotonergic innervation of individual hypothalamic nuclei and other forebrain regions by the dorsal and median midbrain raphe nuclei. Brain Res 162(1):45–54, 16 Feb 79
ANIMAL/ BRAIN MAPPING/ *BRAIN STEM, anatomy & histology/ *CAUDATE NUCLEUS, anatomy & histology/ CAUDATE NUCLEUS, physiology/ *HIPPOCAMPUS, anatomy & histology/ HIPPOCAMPUS, physiology/ *HYPOTHALAMUS, anatomy & histology/ HYPOTHALAMUS, physiology/ MALE/ *MESENCEPHALON, anatomy & histology/ NEURAL PATHWAYS, anatomy & histology/ NEURAL PATHWAYS, physiology/ PREOPTIC AREA, anatomy & histology/ *PUTAMEN, anatomy & histology/ PUTAMEN, physiology/ *RAPHE NUCLEI, anatomy & histology/ RAPHE NUCLEI, physiology/ RATS/ *SEROTONIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3998. **van de Werve G:** Inactivation in vivo of mouse liver glycogen synthase by phenylephrine, vasopressin and glucagon: effect of anaesthesia [proceedings] Arch Int Physiol Biochim 86(4):961–2, Oct 78
ANIMAL/ ENZYME ACTIVATION, drug effects/ *GLUCAGON, pharmacodynamics/ GLYCOGEN PHOSPHORYLASE, metabolism/ *GLYCOGEN SYNTHETASE, antagonists & inhibitors/ HISTONE KINASE, metabolism/ *LIVER, enzymology/ MICE/ *PENTOBARBITAL, pharmacodynamics/ *PHENYLEPHRINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VASOPRESSINS, pharmacodynamics

3999. **van den Broek PJ, de Graeff J:** Prolonged survival in a patient with pulmonary metastases of a malignant pheochromocytoma. Neth J Med 21(6):245–7, 1978
*ADRENAL GLAND NEOPLASMS, surgery/ ADULT/ CASE REPORT/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ *LUNG NEOPLASMS, drug therapy/ MIDDLE AGE/ NEOPLASM METASTASIS/ PHENOXYBENZAMINE, administration & dosage/ PHEOCHROMOCYTOMA, drug therapy/ *PHEOCHROMOCYTOMA, surgery/ PROPRANOLOL, administration & dosage/ RESERPINE, administration & dosage

4000. **Van den Pol AN, Powley T:** A fine-grained anatomical analysis of the role of the rat suprachiasmatic nucleus in circadian rhythms of feeding and drinking. Brain Res 160(2):307–26, 12 Jan 79
ANIMAL/ BRAIN MAPPING/ *CIRCADIAN RHYTHM/ COMPUTERS/ *DRINKING

BEHAVIOR, physiology/ *FEEDING BEHAVIOR, physiology/ *HYPOTHALAMUS, anatomy & histology/ *HYPOTHALAMUS, MEDIAL, anatomy & histology/ HYPOTHALAMUS, MEDIAL, physiology/ MALE/ OPTIC CHIASM, anatomy & histology/ OPTIC CHIASM, physiology/ RATS/ RATS, INBRED STRAINS/ SENSORY DEPRIVATION/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4001. **Van der Heyden JA, Sebens JB:** Cyclic AMP in the rat cerebral cortex after activation of noradrenaline neurons of the locus coeruleus. J Neurochem 32(2):463–8, Feb 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ BRAIN, metabolism/ CEREBRAL CORTEX, drug effects/ *CEREBRAL CORTEX, metabolism/ COMPARATIVE STUDY/ ELECTRIC STIMULATION/ FEMALE/ *LOCUS COERULEUS, physiology/ MALE/ METHYLTYROSINES, pharmacodynamics/ *NEURONS, physiology/ *NOREPINEPHRINE, physiology/ PHENOXYBENZAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ RESERPINE, pharmacodynamics/ TISSUE DISTRIBUTION

4002. **van der Kroon PH, Speijers GJ:** Brain deviations in adult obese-hyperglycemic mice (ob/ob). Metabolism 28(1):1–3, Jan 79
ANIMAL/ *BRAIN, metabolism/ CEREBROSIDES, metabolism/ COMPARATIVE STUDY/ DNA, metabolism/ HYPERGLYCEMIA, complications/ *HYPERGLYCEMIA, metabolism/ HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, complications/ HYPOTHYROIDISM, metabolism/ MALE/ MICE/ MICE, OBESE/ ORGAN WEIGHT

4003. **van der Ploeg GJ:** Endometriose: oorzaak van bloedverlies per anum. Ned Tijdschr Geneeskd 123(6):200–2, 10 Feb 79 (Eng. Abstr.) **(Dut)**
CASE REPORT/ DIHYDROPROGESTERONE, therapeutic use/ *ENDOMETRIOSIS, complications/ ENDOMETRIOSIS, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *MELENA, etiology/ MIDDLE AGE/ *RECTAL NEOPLASMS, complications/ RECTAL NEOPLASMS, drug therapy/ *SIGMOID NEOPLASMS, complications/ SIGMOID NEOPLASMS, drug therapy

4004. **Van Der Walt LA:** Ultrastructure of luteolysis induction by prostaglandin F2-alpha in the non-pregnant ewe. J S Afr Vet Assoc 49(2):121–3, Jul 78
ANIMAL/ CORPUS LUTEUM, drug effects/ *CORPUS LUTEUM, ultrastructure/ FEMALE/ *PROSTAGLANDINS F, pharmacodynamics/ SHEEP

4005. **Vander Wiel CJ, Grubb SA, Talmage RV:** The presence of lining cells on surfaces of human trabecular bone. Clin Orthop (134):350–5, Jul-Aug 78
ADULT/ AGED/ BIOPSY/ *BONE AND BONES, ultrastructure/ FEMALE/ FEMUR, ultrastructure/ HUMAN/ ILIUM, ultrastructure/ MALE/ MIDDLE AGE

4006. **Van Dessel G, Lagrou A, Hilderson HJ, et al:** The mucopolysaccharides of bovine thyroid [proceedings] Arch Int Physiol Biochim 86(4):959–60, Oct 78
ANIMAL/ CATTLE/ CHONDROITIN SULFATES, analysis/ HYALURONIC ACID, analysis/ *MUCOPOLYSACCHARIDES, analysis/ *THYROID GLAND, analysis

4007. **Van Dessel G, Lagrou A, Hilderson HJ, et al:** Fucosyl-containing gangliosides in bovine thyroid [proceedings] Arch Int Physiol Biochim 86(4):892–4, Oct 78
ANIMAL/ CATTLE/ FATTY ACIDS, analysis/ FUCOSE, analysis/ *GANGLIOSIDES, analysis/ *THYROID GLAND, analysis

4008. **van Deth JH, van Limborgh J, van Faassen F:** Etude expérimentale sur le rôle de la glande surrénale dans la détermination du sexe chez l'embryon de canard. Acta Morphol Neerl Scand 16(4):257–66, Nov 78 (Eng. Abstr.) **(Fre)**
*ADRENAL GLANDS, physiology/ ADRENAL GLANDS, transplantation/ ANIMAL/ DUCKS/ *EMBRYO, NON-MAMMALIAN/ ENGLISH ABSTRACT/ FEMALE/ *GONADS, embryology/ MALE/ *SEX DIFFERENTIATION/ TRANSPLANTATION, HOMOLOGOUS

4009. **van Dijk JP, van Kreel BK:** Transport and accumulation of alpha-aminoisobutyric acid (A.I.B.) in the guinea pig placenta. Pfluegers Arch 377(3):217–24, 30 Nov 78
*AMINOISOBUTYRIC ACID, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ FEMALE/ GUINEA PIGS/ IN VITRO/ KINETICS/ MATERNAL-FETAL EXCHANGE/ MODELS, BIOLOGICAL/ *PLACENTA, metabolism/ PREGNANCY

4010. **van Dorp DA, Buytenhek M, Christ-Hazelhof E, et al:** Isolation and properties of enzymes involved in prostaglandin biosynthesis. Acta Biol Med Ger 37(5–6):691–9, 1976
ANIMAL/ CATTLE/ *GLUTATHIONE TRANSFERASES, isolation & purification/ GLUTATHIONE TRANSFERASES, metabolism/ GUINEA PIGS/ HUMAN/ MICROSOMES, enzymology/ PEROXIDASES, metabolism/ *PROSTAGLANDIN SYNTHASE, isolation & purification/ PROSTAGLANDIN SYNTHASE, metabolism/ *PROSTAGLANDINS, biosynthesis/ RABBITS/ RATS/ SERUM ALBUMIN, BOVINE/ SHEEP/ SPECIES SPECIFICITY/ SWINE

4011. **van Hell H, Brands JA, Schuurs AH:** Enzyme-immunoassay of human placental lactogen. Clin Chim Acta 91(3):309–16, 1 Feb 79
FEMALE/ GESTATIONAL AGE/ HORSERADISH PEROXIDASE, diagnostic use/ HUMAN/ IMMUNOENZYME TECHNICS/ METHODS/ NORMAL VALUES/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ RADIOIMMUNOASSAY

4012. **Vanhems E, Bousquet J:** Activité androgène de testicules dysgénésiques de rats. Ann Endocrinol (Paris) 39(5):393–402, 1978 (Eng. Abstr.) **(Fre)**
ANIMAL/ BUSULFAN, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ HISTOCYTOCHEMISTRY/ LEYDIG CELLS, enzymology/ LEYDIG CELLS, ultrastructure/ MALE/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ PROGESTERONE REDUCTASE, metabolism/ RADIOIMMUNOASSAY/ RATS/ TESTIS, drug effects/ *TESTIS, physiology/ TESTIS, ultrastructure/ *TESTOSTERONE, analysis/ TESTOSTERONE, blood

4013. **van Herle AJ, Orgiazzi J, Greipel MA, et al:** Immunoreactive 'TSH' in urinary concentrates of Graves' disease patients: a radioimmunoassay artefact. Eur J Clin Invest 8(5):295–301, Oct 78
ANIMAL/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY, GEL/ COMPARATIVE STUDY/ FEMALE/ *GOITER, EXOPHTHALMIC, urine/ HUMAN/ IGG, urine/ MALE/ MICE/ *RADIOIMMUNOASSAY/ *THYROTROPIN, urine/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4014. **van Herwaarden CL, Fennis JF, van 'T Laar A:** Effects of beta 1-selective and non-selective beta-blockade on blood pressure, plasma renin activity and plasma aldosterone in hypertensive patients. Neth J Med 22(1):17–22, 1979
ADULT/ *ALDOSTERONE, blood/ *BLOOD PRESSURE, drug effects/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DOUBLE-BLIND METHOD/ DRUG EVALUATION/ HUMAN/ *HYPERTENSION, drug therapy/ HYPERTENSION, physiopathology/ MALE/ *METOPROLOL, pharmacodynamics/ MIDDLE AGE/ *PROPANOLAMINES, pharmacodynamics/ *PROPRANOLOL, pharmacodynamics/ *RENIN, blood

4015. **Vanhoutte PM:** Prospectives in vasodilatation. A few answers but many questions. pp. 294–7.
In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977.
ANIMAL/ BLOOD VESSELS, metabolism/ CALCIUM, metabolism/ EXERTION/ HUMAN/ MONOGRAPH/ MUSCLE, SMOOTH, metabolism/ *VASODILATION/ VASOMOTOR SYSTEM, physiology

4016. **Vanluchene E, Aertsens W, Vandekerckhove DV:** Steroid excretion in anorexia nervosa patients.
Acta Endocrinol (Copenh) 90(1):133–8, Jan 79
ADOLESCENCE/ ADULT/ *ANDROSTERONE,

urine/ *ANOREXIA NERVOSA, urine/ CHROMATOGRAPHY, GAS/ *CORTISONE, analogs & derivatives/ *ETIOCHOLANOLONE, urine/ FEMALE/ HUMAN/ *HYDROCORTISONE, analogs & derivatives/ METYRAPONE, diagnostic use/ PREGNANES, urine/ *TETRAHYDROCORTISOL, urine/ *TETRAHYDROCORTISONE, urine

4017. **van Ree JM, Witter A, Leysen JE:** Interaction of des-tyrosine-gamma-endorphin (DTgammaE, beta-LPH62-77) with neuroleptic binding sites in various areas of rat brain. Eur J Pharmacol 52(3-4):411-3, 1 Dec 78
ANIMAL/ *BRAIN, metabolism/ *ENDORPHINS, metabolism/ RATS/ *RECEPTORS, DRUG, metabolism/ *TRANQUILIZING AGENTS, MAJOR, metabolism

4018. **Van Ree JM, Niesink RJ:** Pituitary-adrenal axis and oral morphine consumption in rats. Pharmacol Biochem Behav 9(4):493-8, Oct 78
ADRENALECTOMY/ ANIMAL/ CORTICOSTERONE, pharmacodynamics/ CORTICOTROPIN, pharmacodynamics/ HYPOPHYSECTOMY/ MALE/ *MORPHINE, administration & dosage/ ORGAN WEIGHT, drug effects/ *PITUITARY-ADRENAL SYSTEM, physiology/ QUININE, pharmacodynamics/ RATS/ *SELF ADMINISTRATION

4019. **van Ree JM, de Wied D:** Endorfinen en hun betekenis voor de psychopathologie. Ned Tijdschr Geneeskd 123(9):327-34, 3 Mar 79 (58 ref.) (Eng. Abstr.) **(Dut)**
AMINO ACID SEQUENCE/ ANIMAL/ *BEHAVIOR, ANIMAL, drug effects/ CLINICAL RESEARCH/ DOUBLE-BLIND METHOD/ DRUG DEPENDENCE/ ENDORPHINS, pharmacodynamics/ *ENDORPHINS, physiology/ ENDORPHINS, therapeutic use/ ENGLISH ABSTRACT/ ESCAPE REACTION, drug effects/ EXTINCTION (PSYCHOLOGY), drug effects/ GUINEA PIGS/ HUMAN/ LIPOTROPIN/ MICE/ MOLECULAR CONFORMATION/ RATS/ RECEPTORS, NARCOTIC, physiology/ REVIEW/ *SCHIZOPHRENIA, drug therapy

4020. **Vanstapel F, Stalmans W:** Glucocorticoid-dependent development of glycogen synthase phosphatase in foetal rat liver [proceedings] Arch Int Physiol Biochim 86(4):966-7, Oct 78
ANIMAL/ DECEREBRATE STATE/ *GLYCOGEN SYNTHETASE PHOSPHATASE, metabolism/ GLYCOGEN, metabolism/ *HYDROCORTISONE, pharmacodynamics/ *LIVER, embryology/ LIVER, enzymology/ *PHOSPHOPROTEIN PHOSPHATASES, metabolism/ PHOSPHORYLASE PHOSPHATASE, metabolism/ RATS

4021. **Van Thiel DH, McClain CJ, Elson MK, et al:** Hyperprolactinemia and thyrotropin-releasing factor (TRH) responses in men with alcoholic liver disease. Alcoholism (NY) 2(4):344-8, Oct 78
ADOLESCENCE/ ADULT/ ALCOHOLISM, blood/ FATTY LIVER, ALCOHOLIC, blood/ GYNECOMASTIA, blood/ GYNECOMASTIA, complications/ HUMAN/ LIVER CIRRHOSIS, ALCOHOLIC, complications/ *LIVER DISEASES, ALCOHOLIC, blood/ MALE/ MIDDLE AGE/ *PROLACTIN, blood/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN RELEASING HORMONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4022. **van Wyk J:** Estramustien-fosfaat vir stadium d-prostaatkarsinoom. S Afr Med J 54(16):638, 14 Oct 78 **(Afr)**
*ADENOCARCINOMA, drug therapy/ AGED/ CASE REPORT/ *ESTRAMUSTINPHOSPHATE, therapeutic use/ HUMAN/ MALE/ NEOPLASM METASTASIS/ *NITROGEN MUSTARD COMPOUNDS, therapeutic use/ *PROSTATIC NEOPLASMS, drug therapy

4023. **Vapaatalo H, Metsiä-Ketelä T, Parantainen J, et al:** The role of cyclic nucleotides and prostaglandins in heart function. Acta Biol Med Ger 37(5-6):785-95, 1976
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ADENYL CYCLASE, metabolism/ ANIMAL/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ HEART ATRIUM, physiology/ HEART, drug effects/ *HEART, physiology/ MALE/ MYOCARDIAL CONTRACTION, drug effects/ NOREPINEPHRINE, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ *PROSTAGLANDINS, physiology/ RATS

4024. **Varga SV, Demkiv LP, Reznikov AG:** Antiandrogennye effekty 4-nitro-3-triftormetilizobutiranilida (niftolida) u samtsov krys prepubertatnogo vozrasta v usloviiakh ékzogennoi gonadotropnoi stimuliatsii. Probl Endokrinol (Mosk) 25(1):52-7, Jan-Feb 79 (Eng. Abstr.) **(Rus)**
*ANDROGEN ANTAGONISTS/ *ANILIDES, administration & dosage/ ANIMAL/ BODY WEIGHT, drug effects/ DNA, analysis/ ENGLISH ABSTRACT/ *FLUTAMIDE, administration & dosage/ *GENITALIA, MALE, drug effects/ *GONADOTROPINS, CHORIONIC, administration & dosage/ MALE/ ORGAN WEIGHT, drug effects/ PROSTATE, analysis/ PROTEINS, analysis/ RATS/ RNA, analysis/ SEMINAL VESICLES, analysis/ *SEX MATURATION, drug effects/ TESTIS, enzymology/ 3-HYDROXYSTEROID DEHYDROGENASES, metabolism

4025. **Varpela E, Mattson K, Kahanpää A, et al:** Three cases of pulmonary sarcoidosis associated with aspergilloma. Ann Clin Res 10(6):313-7, Dec 78
ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ANTIFUNGAL AGENTS, therapeutic use/ *ASPERGILLOSIS, ALLERGIC BRONCHOPULMONARY, complications/ ASPERGILLOSIS, ALLERGIC BRONCHOPULMONARY, drug therapy/ ASPERGILLOSIS, ALLERGIC BRONCHOPULMONARY, radiography/ CASE REPORT/ HUMAN/ IMMUNITY, CELLULAR/ MALE/ MIDDLE AGE/ PULMONARY EMPHYSEMA, etiology/ *SARCOIDOSIS, complications/ SARCOIDOSIS, drug therapy/ SARCOIDOSIS, pathology

4026. **Varvarigou A, Villa M, Rovano S:** Preparation and purification of estriol, estradiol, and progesterone labeled with radioactive iodine. Eur J Nucl Med 3(3):191-5, 1 Jul 78
CHLORAMINES/ CHROMATOGRAPHY, THIN LAYER/ DRUG STABILITY/ ELECTROPHORESIS/ *ESTRADIOL, isolation & purification/ *ESTRIOL, isolation & purification/ *IODINE RADIOISOTOPES/ IODINE, analogs & derivatives/ *ISOTOPE LABELING, methods/ LACTOPEROXIDASE/ *PROGESTERONE, isolation & purification

4027. **Vasilev NB:** Khirurgicheskoe lechenie zoba i tireotoksikoza. Vestn Khir 121(11):43-8, Nov 78 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ AGED/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ *GOITER, surgery/ HUMAN/ *HYPERTHYROIDISM, surgery/ MALE/ MIDDLE AGE

4028. **Vasiukova EA, Margolis MG, Mal'kovich VK:** Gormonal'naia terapiia: ee polozhitel'nye i otritsatel'nye storony. Klin Med (Mosk) 56(12):8-15, Dec 78 **(Rus)**
DRUG EVALUATION/ GLUCOCORTICOIDS, SYNTHETIC, adverse effects/ *GLUCOCORTICOIDS, SYNTHETIC, therapeutic use/ HORMONES, SYNTHETIC, adverse effects/ *HORMONES, SYNTHETIC, therapeutic use/ HUMAN/ PANCREATIC HORMONES, adverse effects/ *PANCREATIC HORMONES, therapeutic use/ SEX HORMONES, adverse effects/ *SEX HORMONES, therapeutic use/ THYROID HORMONES, adverse effects/ *THYROID HORMONES, therapeutic use

4029. **Vassalli JD, Granelli-Piperno A, Reich E:** Secretion of plasminogen activator by macrophages and polymorphonuclear leukocytes. pp. 201-12. In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.
ANIMAL/ CONCANAVALIN A, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ FIBRINOLYSIS/ HORMONES, pharmacodynamics/ MACROPHAGES, drug effects/ *MACROPHAGES,

secretion/ MICE/ MONOGRAPH/ NEUTROPHILS, drug effects/ *NEUTROPHILS, secretion/ PHORBOL ESTERS, pharmacodynamics/ *PLASMINOGEN ACTIVATORS, secretion/ STEROIDS, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4030. **Vaticón MD, Tresguerres JA, Aguilar-Olivan A, et al:** Sobre la producción de estradiol y de testosterona en el ovario humano a lo largo del ciclo normal (investigaciones mediante cateterismo directo de las venas ováricas).
Acta Ginecol (Madr) 33(6):215–24, 15 Oct 78 **(Spa)**
CATHETERIZATION, methods/ ESTRADIOL, blood/ *ESTRADIOL, secretion/ FEMALE/ HUMAN/ *OVARY, secretion/ OVULATION/ TESTOSTERONE, blood/ *TESTOSTERONE, secretion

4031. **Vattimo A, Picchi M, Galli M:** Comportamento della riserva tireotropinica nei soggetti con aree tiroidee 'calde'.
Boll Soc Ital Biol Sper 54(2):137–40, 30 Jan 78 **(Ita)**
GOITER, metabolism/ HUMAN/ THYROID GLAND, metabolism/ *THYROID GLAND, radionuclide imaging/ *THYROID NEOPLASMS, metabolism/ THYROID NEOPLASMS, radionuclide imaging/ THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, blood/ *THYROTROPIN, metabolism

4032. **Vaudry H, Tonon MC, Delarue C, et al:** Biological and radioimmunological evidence for melanocyte stimulating hormones (MSH) of extrapituitary origin in the rat brain.
Neuroendocrinology 27(1–2):9–24, 1978
ANIMAL/ BIOLOGICAL ASSAY/ *BRAIN, metabolism/ CEREBELLUM, metabolism/ CEREBRAL CORTEX, metabolism/ COMPARATIVE STUDY/ HYPOPHYSECTOMY/ HYPOTHALAMUS, metabolism/ LIVER, metabolism/ MALE/ *MSH, metabolism/ PINEAL BODY, metabolism/ RADIOIMMUNOASSAY/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ THALAMUS, metabolism/ TISSUE DISTRIBUTION

4033. **Vaughan GM, Reiter RJ, Siler-Khodr TM, et al:** Influence of pinealectomy on serum estrogen and progesterone levels in blind-anosmic female rats.
Experientia 34(10):1378–9, 15 Oct 78
ANIMAL/ *ANOSMIA, blood/ *BLINDNESS, blood/ BODY WEIGHT/ *ESTROGENS, blood/ FEMALE/ *PINEAL BODY, physiology/ *PROGESTERONE, blood/ RATS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4034. **Vaughan MK, Blask DE, Johnson LY, et al:** Effect of several androgens, cyproterone acetate or estrogen-progesterone on the prolactin-releasing activity of arginine vasotocin in castrated male rats.
Mol Cell Endocrinol 12(3):309–18, Dec 78
*ANDROGENS, pharmacodynamics/ ANDROSTENEDIONE, pharmacodynamics/ ANDROSTERONE, pharmacodynamics/ ANIMAL/ CASTRATION/ *CYPROTERONE, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ MALE/ *PROGESTERONE, pharmacodynamics/ *PROLACTIN, secretion/ RATS/ STANOLONE, pharmacodynamics/ TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VASOTOCIN, pharmacodynamics

4035. **Vaught JL, Takemori AE:** Differential effects of leucine and methionine enkephalin on morphine-induced analgesia, acute tolerance and dependence.
J Pharmacol Exp Ther 208(1):86–90, Jan 79
ANALGESIA/ ANIMAL/ BRAIN, drug effects/ BRAIN, metabolism/ COMPARATIVE STUDY/ DRUG SYNERGISM/ DRUG TOLERANCE/ *ENDORPHINS, pharmacodynamics/ *ENKEPHALINS, pharmacodynamics/ MALE/ MICE/ MORPHINE ADDICTION, etiology/ MORPHINE, metabolism/ *MORPHINE, pharmacodynamics/ REACTION TIME, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4036. **Vazquez R, Bermejo F, Castro AM, et al:** Ultrastructural changes in the adrenal cortex of rats exposed to extremely low temperatures.
Anat Histol Embryol 7(4):289–99, Dec 78
*ADRENAL CORTEX, ultrastructure/ ANIMAL/ *COLD/ ENDOPLASMIC RETICULUM, ultrastructure/ FEMALE/ LIPOSOMES/ MALE/ MITOCHONDRIA, ultrastructure/ RATS/ TIME FACTORS

4037. **Vecherskiĭ GA:** O gormonal'no-metabolicheskikh narusheniiakh u bol'nykh ishemicheskoĭ bolezn'iu serdtsa.
Kardiologiia 18(12):36–40, Dec 78 (Eng. Abstr.) **(Rus)**
ADULT/ BLOOD SUGAR, analysis/ CHOLESTEROL, blood/ COMPARATIVE STUDY/ *CORONARY DISEASE, blood/ ENGLISH ABSTRACT/ EOSINOPHILS, secretion/ FEMALE/ *HORMONES, blood/ HUMAN/ HYPERLIPEMIA, blood/ HYPERTENSION, blood/ INSULIN, blood/ ISLANDS OF LANGERHANS, secretion/ JUXTAGLOMERULAR APPARATUS, secretion/ MALE/ MIDDLE AGE/ PITUITARY GLAND, secretion/ RENIN, blood/ SOMATOTROPIN, blood/ TRIGLYCERIDES, blood

4038. **Vecsei P, Hackenthal E, Ganten D:** The renin-angiotensin-aldosterone system. Past, present and future.
Klin Wochenschr 56 Suppl 1:5–21, 1978 (231 ref.)
*ALDOSTERONE, physiology/ *ANGIOTENSIN II, physiology/ ANGIOTENSINOGEN, biosynthesis/ ANGIOTENSINOGEN, isolation & purification/ ANIMAL/ ENZYME PRECURSORS, physiology/ HUMAN/ MINERALOCORTICOIDS, metabolism/ RECEPTORS, ANGIOTENSIN, physiology/ RENIN, analysis/ *RENIN, physiology/ REVIEW/ TISSUE DISTRIBUTION

4039. **Vejjajiva S, Poshyachinda M, Yenbutra D:** 131I treated hypothyroidism and thyroid antibody levels.
J Med Assoc Thai 62(2):51–3, Feb 79
*AUTOANTIBODIES, analysis/ GOITER, radiotherapy/ HUMAN/ *HYPOTHYROIDISM, etiology/ HYPOTHYROIDISM, immunology/ HYPOTHYROIDISM, prevention & control/ *IODINE RADIOISOTOPES, adverse effects/ *THYROID GLAND, immunology

4040. **Velebit L, Cochet B, Courvoisier B:** Incidence de l'intolérance au lactose dans l'ostéoporose post-ménopausique.
Schweiz Med Wochenschr 108(52):2061–5, 30 Dec 78 (Eng. Abstr.) **(Fre)**
ADULT/ AGED/ BLOOD SUGAR, analysis/ CALCIUM, DIETARY, administration & dosage/ DIETARY FATS, metabolism/ ENGLISH ABSTRACT/ FEMALE/ GALACTOSE, metabolism/ GLUCOSE, metabolism/ HUMAN/ *LACTOSE INTOLERANCE, complications/ LACTOSE INTOLERANCE, metabolism/ LACTOSE, metabolism/ MENOPAUSE/ MIDDLE AGE/ *OSTEOPOROSIS, etiology/ OSTEOPOROSIS, metabolism/ XYLOSE, metabolism

4041. **Velick WF, Bookstein JJ, Talner LB:** Pheochromocytoma with reversible renal artery stenosis.
AJR 131(6):1069–71, Dec 78
*ADRENAL GLAND NEOPLASMS, complications/ ADULT/ CASE REPORT/ HUMAN/ MALE/ PHENOXYBENZAMINE, therapeutic use/ *PHEOCHROMOCYTOMA, complications/ PROPRANOLOL, therapeutic use/ *RENAL ARTERY OBSTRUCTION, etiology/ RENAL ARTERY STENOSIS, drug therapy/ *RENAL ARTERY STENOSIS, etiology/ RENAL ARTERY STENOSIS, radiography

4042. **Velikanova LI:** Sostoianie tsirkadnogo ritma AKTG i osobennosti metabolizma kortizola u khirurgicheskikh bol'nykh.
Sov Med (12):100–4, Dec 78 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ AGED/ *CIRCADIAN RHYTHM/ *CORTICOTROPIN, metabolism/ ENGLISH ABSTRACT/ HUMAN/ *HYDROCORTISONE, metabolism/ INGUINAL HERNIA, metabolism/ INGUINAL HERNIA, surgery/ LUNG NEOPLASMS, metabolism/ LUNG NEOPLASMS, surgery/ MALE/ MIDDLE AGE/ PNEUMONECTOMY/ *SURGERY, OPERATIVE

4043. **Velley L, Cardo B:** Conséquences tardives d'une stimulation précoce de l'hypothalamus latéral sur l'apprentissage et l'inversion d'une discrimination lumière-obscurité.
Physiol Behav 21(5):691–4, Nov 78 (Eng. Abstr.) **(Fre)**
ANIMAL/ BRAIN MAPPING/ *DISCRIMINATION LEARNING, physiology/ ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ *HYPOTHALAMUS, physiology/ MALE/ RATS/ *REVERSAL LEARNING, physiology

4044. **Vellucci SV:** The effects of a high dose of benserazide on the

concentrations of 5-hydroxytryptamine, noradrenaline and dopamine in different regions of the rat brain.
Gen Pharmacol 9(6):451-3, 1978
P-CHLOROPHENYLALANINE, pharmacodynamics/ ANIMAL/ *BENSERAZIDE, pharmacodynamics/ *BRAIN CHEMISTRY, drug effects/ *DOPAMINE, metabolism/ *HYDRAZINES, pharmacodynamics/ MALE/ METHYLTYROSINES, pharmacodynamics/ *NOREPINEPHRINE, metabolism/ RATS/ *SEROTONIN, metabolism

4045. **Velo AG, Wilberger JE Jr:** Transsphenoidal microsurgery for tumors of the hypophysis. Va Med 106(1):49-52, Jan 79
*ADENOMA, surgery/ ADULT/ CASE REPORT/ FEMALE/ HUMAN/ MALE/ *MICROSURGERY, methods/ MIDDLE AGE/ PITUITARY NEOPLASMS, blood/ *PITUITARY NEOPLASMS, surgery/ POSTOPERATIVE COMPLICATIONS/ PROLACTIN, blood/ SOMATOTROPIN, blood/ *SPHENOID SINUS

4046. **Velojic D:** Metastatske promene u plućima kod karcinoma štitaste žlezde. Plucne Bolesti Tuberk 30(3):283-8, Jul-Sep 78 (Eng. Abstr.) **(Scr)**
AGED/ *CARCINOMA, diagnosis/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LUNG NEOPLASMS, diagnosis/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *THYROID NEOPLASMS, diagnosis

4047. **Venger PL:** O funktsii shchitovidnoĭ zhelezy pri glaucoma. Vestn Oftalmol (6):19-21, 1978 (Eng. Abstr.) **(Rus)**
ABSORPTION/ ENGLISH ABSTRACT/ *GLAUCOMA, physiopathology/ HUMAN/ IODINE RADIOISOTOPES/ ISOTOPE LABELING/ THYROID FUNCTION TESTS, methods/ *THYROID GLAND, physiopathology

4048. **Vera Gaspar D, Muñoz Gómez J, Verduzco Pardo G, et al:** Pelvineumografia: correlación anatomoclínica y radiológica. Ginecol Obstet Mex 44(265):365-75, Nov 78 (Eng. Abstr.) **(Spa)**
ADOLESCENCE/ ADULT/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ *OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, radiography/ PELVIS, radiography/ PNEUMORADIOGRAPHY/ *UTERINE NEOPLASMS, diagnosis/ UTERINE NEOPLASMS, radiography

4049. **Vercelli-Retta J, Lassus M, Ponce R, et al:** Leiomyosarcoma of the inferior vena cava, Budd-Chiari syndrome and multiple endocrine morphological alterations. Vasa 8(1):60-2, 1979
CASE REPORT/ *ENDOCRINE GLANDS, pathology/ FEMALE/ *HEPATIC VEIN THROMBOSIS, etiology/ HUMAN/ LEIOMYOSARCOMA, complications/ *LEIOMYOSARCOMA, pathology/ MIDDLE AGE/ *VENA CAVA, INFERIOR

4050. **Verebély T, Machay T, Görgényi A, et al:** Nyirokpangás útján zsírfelszívódási zavart okozó újszülöttkori ovarialis cysta. Orv Hetil 120(3):159, 21 Jan 79 **(Hun)**
CASE REPORT, FEMALE/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, metabolism/ LIPIDS, metabolism/ LYMPH, metabolism/ *OVARIAN CYSTS, congenital/ OVARIAN CYSTS, complications/ OVARIAN CYSTS, metabolism/ SPRUE, etiology

4051. **Vereckei I, Malisák Z, Hering A:** Catecholaminok vizsgálata hyperthyreosisban. Orv Hetil 120(3):143-5, 21 Jan 79 **(Hun)**
*CATECHOLAMINES, blood/ HUMAN/ *HYPERTHYROIDISM, blood

4052. **Verhaeghe R:** Adenosine and adenine nucleotides. Action on vascular smooth muscle. pp. 222-6.
In: Vanhoutte PM, Leusen I, ed. Mechanisms of vasodilatation. Basel, Karger, 1978. WG 106 M486 1977. (30 ref.)
*ADENINE NUCLEOTIDES, pharmacodynamics/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE, metabolism/ *ADENOSINE, pharmacodynamics/ ANIMAL/ BLOOD VESSELS, metabolism/ CALCIUM, metabolism/ CELL MEMBRANE, metabolism/ DOGS/ IN VITRO/ MONOGRAPH/ MUSCLE, SMOOTH, metabolism/ NOREPINEPHRINE, pharmacodynamics/ REVIEW/ SWINE/ VASOCONSTRICTION, drug effects/ *VASODILATION, drug effects

4053. **Verhoeven GF, Wilson JD:** The syndromes of primary hormone resistance. Metabolism 28(3):253-89, Mar 79 (300 ref.)
CORTICOTROPIN, physiology/ DIABETES INSIPIDUS, physiopathology/ ENDOCRINE DISEASES, drug therapy/ ENDOCRINE DISEASES, immunology/ *ENDOCRINE DISEASES, physiopathology/ HORMONES, immunology/ *HORMONES, physiology/ HORMONES, therapeutic use/ HUMAN/ INSULIN RESISTANCE/ INSULIN, physiology/ PARATHYROID HORMONE, physiology/ REVIEW/ SEX HORMONES, physiology/ SOMATOTROPIN, physiology/ THYROTROPIN, physiology/ VASOPRESSINS, physiology

4054. **Verhoeven WM, van Praag HM, van Ree JM, et al:** Improvement of schizophrenic patients treated with [des-Tyr1]-gamma-endorphin (DTgammaE).
Arch Gen Psychiatry 36(3):294-8, Mar 79
ADULT/ AGGRESSION, drug effects/ CLINICAL RESEARCH/ DOUBLE-BLIND METHOD/ *ENDORPHINS, therapeutic use/ FEMALE/ HALLUCINATIONS, drug therapy/ HUMAN/ MALE/ MIDDLE AGE/ MOTOR ACTIVITY, drug effects/ PEPTIDE FRAGMENTS, therapeutic use/ *SCHIZOPHRENIA, drug therapy/ SCHIZOPHRENIA, CATATONIC, drug therapy

4055. **Verkasalo M, Kuitunen P, Leisti S, et al:** Growth failure from symptomless celiac disease. A study of 14 patients.
Helv Paediatr Acta 33(6):489-95, Dec 78
ADOLESCENCE/ ADULT/ BODY HEIGHT/ BODY WEIGHT/ *CELIAC DISEASE, complications/ CELIAC DISEASE, diagnosis/ CELIAC DISEASE, pathology/ CHILD/ CHILD, PRESCHOOL/ CORTICOTROPIN, blood/ FEMALE/ GROWTH DISORDERS, diagnosis/ *GROWTH DISORDERS, etiology/ GROWTH DISORDERS, pathology/ HUMAN/ JEJUNUM, pathology/ MALE/ SOMATOTROPIN, blood

4056. **Versée V, Barel AO:** Binding specificity of estrogens and norandrogens to rat alpha-fetoprotein (AFP). FEBS Lett 96(1):155-8, 1 Dec 78
*ALPHA FETOPROTEINS, metabolism/ ANIMAL/ BINDING, COMPETITIVE/ ESTRADIOL, metabolism/ *ESTRENES, metabolism/ *ESTROGENS, metabolism/ KINETICS/ NANDROLONE, metabolism/ NORPREGNENES, metabolism/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP

4057. **Versée V, Barel AO:** Rat alpha-foetoprotein. Purification, physicochemical characterization, oestrogen-binding properties and chemical modification of the thiol group.
Biochem J 175(1):73-81, 1 Oct 78
ALKYLATION/ *ALPHA FETOPROTEINS, isolation & purification/ ALPHA FETOPROTEINS, metabolism/ AMINO ACIDS, analysis/ AMINO SUGARS, analysis/ ANILINO NAPHTHALENESULFONATES/ ANIMAL/ CHEMISTRY/ CIRCULAR DICHROISM/ *ESTRADIOL, metabolism/ LIGANDS, metabolism/ PROTEIN BINDING/ RATS/ SPECTROMETRY, FLUORESCENCE

4058. **Versée V, Barel AO:** Characterization of the binding properties of rat alpha-foetoprotein [proceedings]
Arch Int Physiol Biochim 86(4):971-2, Oct 78
*ALPHA FETOPROTEINS, metabolism/ ANIMAL/ BILIRUBIN, metabolism/ BINDING SITES/ BINDING, COMPETITIVE/ *ESTRADIOL, metabolism/ PROTEIN BINDING/ RATS

4059. **Verveen AA:** Silent endocrine tumors. A steady-state analysis of the effects of changes in cell number for biological feedback systems. Biol Cybern 31(1):49-54, 10 Nov 78
CELL DIVISION/ ENDOCRINE DISEASES, pathology/ *ENDOCRINE DISEASES, physiopathology/ FEEDBACK/ HOMEOSTASIS/ *HORMONES, metabolism/ HUMAN/ MODELS, BIOLOGICAL/ NEOPLASMS, pathology/ *NEOPLASMS, physiopathology

4060. **Veselková A, Brodan V, Kuhn E, et al:** Vylučování adrenalinu, noradrenalinu a 17-hydroxykortikoidu močí. Rozdíly v průběhu 120 hodin hladovění a spánkové deprivace.
Cas Lek Cesk 111(50):1550-3, 15 Dec 78 (Eng. Abstr.) **(Cze)**

ADULT/ ENGLISH ABSTRACT/ *EPINEPHRINE, urine/ FASTING/ HUMAN/ MALE/ *NOREPINEPHRINE, urine/ SLEEP DEPRIVATION/ TIME FACTORS/ *17-HYDROXYCORTICOSTEROIDS, urine

4061. **Vetter W, Záruba K, Studer A, et al:** Der Einfluss der Langzeithämodialyse auf Renin-Aktivität, Aldosteron, Cortisol, Serumkalium, Serumnatrium und Blutdruck. Verh Dtsch Ges Inn Med (84):832–4, 1978 **(Ger)**
ALDOSTERONE, secretion/ BLOOD PRESSURE/ *HEMODIALYSIS/ HUMAN/ HYDROCORTISONE, secretion/ POTASSIUM, blood/ RENIN, blood/ SODIUM, blood/ UREMIA, therapy

4062. **Veylon R:** La 'pilule', maladie de la civilisation? Nouv Presse Med 7(44):4064, 4067, 9 Dec 78 **(Fre)**
CONGRESSES/ *CONTRACEPTIVES, ORAL/ CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, HORMONAL/ CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ CONTRACEPTIVES, POSTCOITAL/ FEMALE/ HUMAN/ PUBLIC HEALTH/ SOCIETIES, MEDICAL/ VASCULAR DISEASES, chemically induced

4063. **Vičar J, Abillon E, Toma F, et al:** The two conformations of TRH in solution. FEBS Lett 97(2):275–8, 15 Jan 79
HISTIDINE/ NUCLEAR MAGNETIC RESONANCE/ PROTEIN CONFORMATION/ SOLUTIONS/ *THYROTROPIN RELEASING HORMONE

4064. **Victor A, Jackanicz TM, Johansson ED:** Vaginal progesterone for contraception. Fertil Steril 30(6):631–5, Dec 78
*CONTRACEPTIVE AGENTS, FEMALE/ ESTRADIOL, blood/ ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ *OVULATION, drug effects/ PROGESTERONE, blood/ *PROGESTERONE, pharmacodynamics

4065. **Vieira Filho JP:** Indio Paracanã com hipogonadismo hipogonadotrópico idiopático. AMB 24(10):363–4, Oct 78 (Eng. Abstr.) **(Por)**
ADULT/ ANOSMIA, complications/ CASE REPORT/ ENGLISH ABSTRACT/ FSH, blood/ HUMAN/ HYPOGONADISM, complications/ *HYPOGONADISM, diagnosis/ *INDIANS, SOUTH AMERICAN/ LH, blood/ LH-FSH RELEASING HORMONE, secretion/ MALE/ TESTOSTERONE, blood

4066. **Vieira Filho JP:** Pseudo-hermafroditismo masculino entre os índios do Uaçá. AMB 22(4):129–33, Apr 76 (Eng. Abstr.) **(Por)**
BRAZIL/ CASE REPORT/ CHILD/ ENGLISH ABSTRACT/ HUMAN/ *INDIANS, SOUTH AMERICAN/ MALE/ PEDIGREE/ *PSEUDOHERMAPHRODITISM, familial & genetic

4067. **Vignery A, Baron R:** Effects of parathyroid hormone on the osteoclastic pool, bone resorption and formation in rat alveolar bone. Calcif Tissue Res 26(1):23–8, 10 Nov 78
ALVEOLAR PROCESS, cytology/ *ALVEOLAR PROCESS, drug effects/ ALVEOLAR PROCESS, growth & development/ ANIMAL/ *BONE RESORPTION, drug effects/ CALCIUM, blood/ FEMALE/ *OSTEOCLASTS, drug effects/ *PARATHYROID HORMONE, pharmacodynamics/ PHOSPHORUS, blood/ RATS

4068. **Vijayalakshmi V, Lele JV, Daginawala HF:** Effect of prostaglandin A1, E2 and F2alpha on the monoamine oxidase (MAO) activity in rat liver and brain. Biochem Pharmacol 27(24):2961–2, 1978
ANIMAL/ BRAIN, drug effects/ *BRAIN, enzymology/ IN VITRO/ LIVER, drug effects/ *LIVER, enzymology/ *MONOAMINE OXIDASE, metabolism/ *PROSTAGLANDINS A, pharmacodynamics/ *PROSTAGLANDINS E, pharmacodynamics/ *PROSTAGLANDINS F, pharmacodynamics/ RATS/ SEROTONIN/ TYRAMINE

4069. **Vijayan E, McCann SM:** Blockade of dopamine (DA) receptors with pimozide and pituitary hormone release in response to intraventricular injection of gamma-aminobutyric acid (GABA) in conscious ovariectomized rats. Brain Res 162(1):69–76, 16 Feb 79
ANIMAL/ *CASTRATION/ DOPAMINE, physiology/ FEMALE/ FSH, blood/ *GABA, pharmacodynamics/ GABA, physiology/ INJECTIONS, INTRAVENTRICULAR/ LH, blood/ *NEUROSECRETION, drug effects/ *PIMOZIDE, pharmacodynamics/ *PITUITARY HORMONES, blood/ PROLACTIN, blood/ RATS/ *RECEPTORS, DOPAMINE, drug effects/ SOMATOTROPIN, blood/ THYROTROPIN, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4070. **Vikhliaeva EM, Mitin KS, Cherevishnik ZhF:** Morfologicheskie kriterii mestnogo éffekta pri podgotovke k vlagalischnym operatsiiam preparatami éstriola. Akush Ginekol (Mosk) (12):7–12, Dec 78 (Eng. Abstr.) **(Rus)**
ADULT/ AGE FACTORS/ AGED/ ENGLISH ABSTRACT/ *ESTRIOL, therapeutic use/ FEMALE/ HUMAN/ MIDDLE AGE/ MUCOUS MEMBRANE, drug effects/ POSTOPERATIVE PERIOD/ *PREOPERATIVE CARE, methods/ UTERINE PROLAPSE, surgery/ VAGINA, drug effects/ *VAGINA, surgery/ VAGINAL SMEARS

4071. **Viljoen CC, Botes DP:** Influence of pH on the kinetic and spectral properties of phospholipase A2 from Bitis gabonica (gaboon adder) snake venom. Toxicon 17(1):77–87, 1979
ANIMAL/ CALCIUM, metabolism/ HYDROGEN-ION CONCENTRATION/ KINETICS/ PHOSPHATIDYLCHOLINES, metabolism/ *PHOSPHOLIPASE, metabolism/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *VIPER VENOMS, analysis

4072. **Villarreal JA, Brown MR:** Bombesin-like peptide in hypothalamus: chemical and immunological characterization. Life Sci 23(27–28):2729–33, 31 Dec 78
AMINO ACID SEQUENCE/ ANIMAL/ BOMBESIN, analogs & derivatives/ *BOMBESIN, analysis/ BOMBESIN, isolation & purification/ CHROMATOGRAPHY, GEL/ *HYPOTHALAMUS, analysis/ *PEPTIDES, analysis/ RADIOIMMUNOASSAY/ SHEEP/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4073. **Vinci JM, Zusman RM, Izzo JL Jr, et al:** Human urinary and plasma kinins: relationship to sodium-retaining steroids and plasma renin activity. Circ Res 44(2):228–37, Feb 79
ADULT/ BRADYKININ, blood/ CORTICOTROPIN, pharmacodynamics/ FEMALE/ FLUDROCORTISONE, pharmacodynamics/ HUMAN/ KALLIKREIN, urine/ KININS, blood/ *KININS, urine/ MIDDLE AGE/ POTASSIUM, pharmacodynamics/ POTASSIUM, urine/ RENIN, blood/ SODIUM, pharmacodynamics/ SODIUM, urine

4074. **Violante A, Fantoli U, Palombi M, et al:** Principi di cronobiologia e prospettive di applicazione ai problemi della nutrizione. Recenti Prog Med 65(5):449–68, Nov 78 (51 ref.) (Eng. Abstr.) **(Ita)**
AMINO ACIDS, blood/ ANIMAL/ BIOLOGICAL CLOCKS/ BLOOD SUGAR, biosynthesis/ CIRCADIAN RHYTHM/ ELECTROLYTES, metabolism/ ENGLISH ABSTRACT/ FEEDING BEHAVIOR, physiology/ HORMONES, biosynthesis/ HUMAN/ LIPIDS, blood/ *METABOLISM/ *NUTRITION/ *PERIODICITY/ *PINEAL BODY, physiology/ REVIEW/ TIME FACTORS

4075. **Visser TJ, Buurman CJ, Birkenhäger JC:** Production and characterization of antisera to synthetic 1–34 human parathyroid hormone fragments: possible implications for the correctness of proposed structures. Acta Endocrinol (Copenh) 90(1):90–102, Jan 79
AMINO ACID SEQUENCE/ ANIMAL/ ANTIGENS/ CROSS REACTIONS/ HUMAN/ *IMMUNE SERUMS/ IMMUNE SERUMS, analysis/ IMMUNIZATION/ IODINE RADIOISOTOPES/ PARATHYROID HORMONE, chemical synthesis/ *PARATHYROID HORMONE, immunology/ PEPTIDE FRAGMENTS, chemical synthesis/ *PEPTIDE FRAGMENTS, immunology/ RABBITS/ RADIOIMMUNOASSAY

4076. **Vítová Z, Kopecký A, Faladová L:** Bioelektrická aktivita mozku u hypopituitárního nanismu. Cesk Pediatr 33(10):587–90, Oct 78 (Eng. Abstr.) **(Cze)**
ADOLESCENCE/ ADULT/ *BRAIN, physiopathology/ CHILD/ CHILD, PRESCHOOL/ *DWARFISM, PITUITARY, physiopathology/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE

4077. **Vittek J, Gordon GG, Rappaport SC, et al:** Cellular regulation of the metabolism of androgens in rat oral mucosa. II. Product activation of 17 beta-hydroxysteroid oxidoreductase enzyme system. J Dent Res 58(2):638-41, Feb 79
*ANDROSTENEDIONE, metabolism/ ANDROSTENEDIONE, pharmacodynamics/ ANIMAL/ BINDING SITES/ CYTOSOL, enzymology/ ENZYME ACTIVATION, drug effects/ MALE/ MOUTH MUCOSA, cytology/ *MOUTH MUCOSA, enzymology/ RATS/ *TESTOSTERONE, metabolism/ TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *17-HYDROXYSTEROID DEHYDROGENASES, metabolism

4078. **Vittek J, Gordon GG, Rappaport SC, et al:** Cellular regulation of the metabolism of androgens in rat oral mucosa. III. Activation of delta 4-3-ketosteroid-5alpha-A ring reductase enzyme system by 5,5-diphenylhydantoin. J Dent Res 58(2):642-5, Feb 79
ANIMAL/ COMPARATIVE STUDY/ CYTOSOL, enzymology/ ENZYME ACTIVATION, drug effects/ KINETICS/ MALE/ MOUTH MUCOSA, cytology/ *MOUTH MUCOSA, enzymology/ *OXIDOREDUCTASES, metabolism/ *PHENYTOIN, pharmacodynamics/ RATS/ *TESTOSTERONE 5-ALPHA-REDUCTASE, metabolism/ *TESTOSTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4079. **Vladimirova AD:** Vliianie adenogipofizarnykh gormonov--prolaktina i somatotropnogo--na sekretsiiu moloka. Nerv Sist 18:88-96, 1978 **(Rus)**
ANIMAL/ FEMALE/ GOATS/ *LACTATION, drug effects/ *MILK, analysis/ PREGNANCY/ *PROLACTIN, pharmacodynamics/ *SOMATOTROPIN, pharmacodynamics

4080. **Vlahos L, Karatzas G, Giannopoulos A, et al:** A comparative study between direct testicular and pedal lymphography in dogs. (A preliminary report). Int Urol Nephrol 10(4):313-20, 1978
ANIMAL/ COMPARATIVE STUDY/ DOGS/ FOOT, radiography/ *LYMPHOGRAPHY, methods/ MALE/ TESTIS, radiography

4081. **Vlasov IP:** Znachenie teplovideniia v diagnostike khirurgicheskikh zabolevanii shchitovidnoi zhelezy. Probl Endokrinol (Mosk) 25(1):7-11, Jan-Feb 79 (Eng. Abstr.) **(Rus)**
ADENOMA, diagnosis/ ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ GOITER, diagnosis/ GOITER, EXOPHTHALMIC, diagnosis/ GOITER, NODULAR, diagnosis/ HUMAN/ MALE/ MIDDLE AGE/ THERMOGRAPHY, methods/ *THYROID DISEASES, diagnosis/ THYROID NEOPLASMS, diagnosis

4082. **Vocci FJ, Petty SK, Dewey WL:** Antinociceptive action of the butyryl derivatives of cyclic guanosine 3',5'-monophosphate. J Pharmacol Exp Ther 207(3):892-8, Dec 78
*ANALGESICS/ ANIMAL/ DIBUTYRYL CYCLIC GMP, pharmacodynamics/ DRUG INTERACTIONS/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, analogs & derivatives/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, administration & dosage/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ INJECTIONS, INTRAVENTRICULAR/ MALE/ MICE/ QUINONES, antagonists & inhibitors/ REACTION TIME, drug effects/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4083. **Voeten AC, van der Leest LA:** Rachitisachtige afwijkingen bij slachtkuikens. Tijdschr Diergeneeskd 104(5):215-20, 1 Mar 79 (Eng. Abstr.) **(Dut)**
ANIMAL/ *CHICKENS/ ENGLISH ABSTRACT/ HOUSING, ANIMAL/ NETHERLANDS/ *POULTRY DISEASES, etiology/ POULTRY DISEASES, transmission/ POULTRY/ RICKETS, etiology/ RICKETS, transmission/ *RICKETS, veterinary/ SEASONS

4084. **Voets R, Lagrou A, Hilderson HJ, et al:** The incorporation of uridine triphosphate in bovine thyroid nuclei [proceedings] Arch Int Physiol Biochim 86(4):927-8, Oct 78
AMANITINS, pharmacodynamics/ ANIMAL/ CATTLE/ *CELL NUCLEUS, metabolism/ CELL-FREE SYSTEM/ DACTINOMYCIN, pharmacodynamics/ *RNA POLYMERASES, metabolism/ RNA, biosynthesis/ THYROID GLAND/ TRANSCRIPTION, GENETIC, drug effects/ *URACIL NUCLEOTIDES, metabolism/ *URIDINE TRIPHOSPHATE, metabolism

4085. **Vogel RA, Cooper BR, Barlow TS, et al:** Effects of thyrotropin-releasing hormone on locomotor activity, operant performance and ingestive behavior. J Pharmacol Exp Ther 208(2):161-8, Feb 79
ANIMAL/ APPETITE DEPRESSANTS/ AVOIDANCE LEARNING, drug effects/ *CONDITIONING, OPERANT, drug effects/ DEXTROAMPHETAMINE, pharmacodynamics/ *DRINKING BEHAVIOR, drug effects/ DRUG INTERACTIONS/ *FEEDING BEHAVIOR, drug effects/ FOOD/ HYDROXYDOPAMINE, pharmacodynamics/ MALE/ *MOTOR ACTIVITY, drug effects/ RATS/ REINFORCEMENT (PSYCHOLOGY)/ SELF STIMULATION, drug effects/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4086. **Vogel Z, Miron T, Altstein M, et al:** Spontaneous inactivation of enkephalin. Biochem Biophys Res Commun 85(1):226-33, 14 Nov 78
ANIMAL/ BRAIN, metabolism/ CELL MEMBRANE, metabolism/ DRUG STABILITY/ *ENDORPHINS/ ENDORPHINS, metabolism/ *ENKEPHALINS/ ENKEPHALINS, metabolism/ KINETICS/ MALE/ RATS/ RECEPTORS, NARCOTIC, metabolism/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TIME FACTORS

4087. **Voigt J, Wieland T, Sekeris CE:** Initial steps in the induction by glucocorticosteroids of rat liver tryptophan oxygenase and tyrosin aminotransferase. Arch Biochem Biophys 191(1):101-9, Nov 78
AMANITINS, pharmacodynamics/ ANIMAL/ DACTINOMYCIN, pharmacodynamics/ *DEXAMETHASONE, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ ENZYME INDUCTION, drug effects/ KINETICS/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ RATS/ TRANSCRIPTION, GENETIC, drug effects/ TRANSLATION, GENETIC, drug effects/ *TRYPTOPHAN OXYGENASE, biosynthesis/ *TYROSINE AMINOTRANSFERASE, biosynthesis

4088. **Voigt R, Klinger G, Schneider HJ:** Möglichkeiten zur Prüfung von Sexualsteroideffekten im uropoetischen System. Z Urol Nephrol 71(10):685-7, Oct 78 (Eng. Abstr.) **(Ger)**
ANIMAL/ DRUG SCREENING, methods/ ENGLISH ABSTRACT/ FEMALE/ PREGNANCY/ *PREGNANCY, ANIMAL, drug effects/ *PROGESTATIONAL HORMONES, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ RABBITS/ *URETER, drug effects

4089. **Volicer L, O'Donnell A, Chase A, et al:** Cyclic nucleotide levels in brains of control and hypertensive rats. Life Sci 24(2):131-5, 8 Jan 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ ANIMAL/ *BRAIN CHEMISTRY/ BRAIN CHEMISTRY, radiation effects/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ *HYPERTENSION, metabolism/ METHODS/ MICROWAVES/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4090. **Voliti H, Piha RS:** Iodine in the treatment of alloxan diabetes in rats. Isr J Med Sci 14(10):1081-3, Oct 78
ALLOXAN/ ANIMAL/ BLOOD SUGAR, metabolism/ DIABETES MELLITUS, EXPERIMENTAL, blood/ *DIABETES MELLITUS, EXPERIMENTAL, drug therapy/ FEMALE/ *IODINE, therapeutic use/ MALE/ RATS

4091. **Völkel N, Kaukel E, Trautmann J:** Accumulation of histamine and cyclic nucleotides in lung tissue during chronic hypobaric hypoxia. Lung 155(4):277-86, 15 Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *ANOXIA, metabolism/ ATMOSPHERIC PRESSURE/ CHRONIC DISEASE/ FEMALE/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *HISTAMINE, metabolism/ *LUNG, metabolism/ METHYLPREDNISOLONE, pharmacodynamics/ RATS

4092. **Volkov AV, Trubina IE, Novoderzhkina IS, et al:** Izmeneniia nekotorykh gemodinamicheskikh i éndokrinno-metabolicheskikh pokazateleĭ v rannem postreanimatsionnom periode. Biull Eksp Biol Med 87(1):3–6, Jan 79 (Eng. Abstr.) **(Rus)**
ACID PHOSPHATASE, blood/ ACID-BASE EQUILIBRIUM/ ANIMAL/ BLOOD SUGAR, metabolism/ DOGS/ ENGLISH ABSTRACT/ HEMODYNAMICS/ INSULIN, blood/ ISOENZYMES, blood/ LACTATE DEHYDROGENASE ISOENZYMES, blood/ LACTATE DEHYDROGENASE, blood/ LACTATES, blood/ OXYGEN CONSUMPTION/ *RESUSCITATION/ TIME FACTORS/ 17-HYDROXYCORTICOSTEROIDS, blood

4093. **Volodina GI, Liubina NI:** Rentgenodiagnostika metastazov raka shchitovidnoĭ zhelezy v kostnuiu sistemu. Vestn Rentgenol Radiol (6):56–60, Nov-Dec 78 (Eng. Abstr.) **(Rus)**
ADULT/ AGED/ *BONE NEOPLASMS, radiography/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HUMERUS, radiography/ ILIUM, radiography/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ RIBS, radiography/ *SPINAL NEOPLASMS, radiography/ THORACIC VERTEBRAE, radiography/ *THYROID NEOPLASMS

4094. **Volpe BT, Dougherty JH Jr:** Computerized tomographic scanning not very helpful in dementia—nor in craniopharyngioma [letter] N Engl J Med 300(8):437, 22 Feb 79
CRANIOPHARYNGIOMA, diagnosis/ *CRANIOPHARYNGIOMA, radiography/ HUMAN/ PITUITARY NEOPLASMS, diagnosis/ *PITUITARY NEOPLASMS, radiography/ PNEUMOENCEPHALOGRAPHY/ *TOMOGRAPHY, COMPUTERIZED AXIAL

4095. **Vol'skiĭ GG:** Gliukokortikoidnye gormony i reguliatsiia énergeticheskogo obmena v golovnom mozgu. Nerv Sist 18:39–53, 1978 (66 ref.) **(Rus)**
ADRENALECTOMY/ AMINO ACIDS, metabolism/ ANIMAL/ BRAIN, enzymology/ *BRAIN, metabolism/ CARBOHYDRATES, metabolism/ CORTICOSTERONE, pharmacodynamics/ CORTISONE, pharmacodynamics/ CYTOCHROME OXIDASE, metabolism/ *ENERGY METABOLISM, drug effects/ *GLUCOCORTICOIDS, pharmacodynamics/ GLUCOCORTICOIDS, physiology/ HYDROCORTISONE, pharmacodynamics/ KREBS CYCLE, drug effects/ NAD, metabolism/ NADH, NADPH OXIDOREDUCTASES, metabolism/ OXIDATION-REDUCTION/ OXIDATIVE PHOSPHORYLATION, drug effects/ OXIDOREDUCTASES, metabolism/ OXYGEN CONSUMPTION, drug effects/ RATS/ REVIEW

4096. **Vom Saal FS:** Cyproterone acetate exposure during gestation in mice retards fetal growth. Physiol Behav 21(4):515–7, Oct 78
ANIMAL/ BODY WEIGHT, drug effects/ *CYPROTERONE, pharmacodynamics/ FEMALE/ *FETUS, drug effects/ GENITALIA, FEMALE, anatomy & histology/ GENITALIA, FEMALE, drug effects/ GENITALIA, MALE, anatomy & histology/ GENITALIA, MALE, drug effects/ MICE/ PREGNANCY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4097. **von Albert HH:** Die Therapie in der Neurologie Folge 1: Chronische Kopfschmerzen. Fortschr Med 97(2):53–9, 11 Jan 79 **(Ger)**
ARTERITIS, complications/ ARTERITIS, drug therapy/ BARBITURATES, therapeutic use/ BELLADONNA ALKALOIDS, therapeutic use/ CASE REPORT/ CHRONIC DISEASE/ CORTISONE, therapeutic use/ HEADACHE, diagnosis/ *HEADACHE, therapy/ HUMAN/ MALE/ MENINGIOMA, complications/ MIDDLE AGE/ PHYSICAL THERAPY

4098. **Von Knorring L, Almay BG, Johansson F, et al:** Pain perception and endorphin levels in cerebrospinal fluid. Pain 5(4):359–65, Dec 78
ADULT/ CHRONIC DISEASE/ ELECTRIC STIMULATION/ *ENDORPHINS, cerebrospinal fluid/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PAIN, cerebrospinal fluid/ PSYCHOPHYSIOLOGIC DISORDERS, cerebrospinal fluid/ SENSORY THRESHOLDS/ SEX FACTORS

4099. **von Papen C, Hackenberg K, Mühlen-Hoffmeister E, et al:** Prednisolon-Bestimmung bei Patienten mit NNR-Insuffizienz. Verh Dtsch Ges Inn Med (84):1453–5, 1978 **(Ger)**
*ADRENAL CORTEX DISEASES, drug therapy/ ADRENAL GLAND HYPOFUNCTION, drug therapy/ BINDING, COMPETITIVE/ HUMAN/ *HYDROCORTISONE, metabolism/ HYDROCORTISONE, therapeutic use/ *PREDNISOLONE, metabolism/ PREDNISOLONE, therapeutic use

4100. **von Werder K, Rjosk HK:** Menschliches Prolaktin. Klin Wochenschr 57(1):1–12, 1 Jan 79 (143 ref.) (Eng. Abstr.) **(Ger)**
AMENORRHEA, etiology/ BIOLOGICAL ASSAY/ ENDOCRINE DISEASES, complications/ ENGLISH ABSTRACT/ GALACTORRHEA, etiology/ HUMAN/ HYPOGONADISM, etiology/ PROLACTIN, analysis/ PROLACTIN, blood/ *PROLACTIN, physiology/ REVIEW

4101. **von Zerssen D, Cording C:** The measurement of change in endogenous affective disorders. Arch Psychiatr Nervenkr 226(2):95–112, 14 Nov 78
AFFECT/ *AFFECTIVE DISTURBANCES, diagnosis/ AFFECTIVE DISTURBANCES, drug therapy/ DEPRESSION, diagnosis/ DEPRESSION, psychology/ DIURNAL RHYTHM/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ HYDROCORTISONE, urine/ MALE/ PROPRANOLOL, therapeutic use/ PSYCHOLOGICAL TESTS/ PSYCHOMETRICS/ SYNDROME

4102. **Voorhees W, Dunn A, Hiatt N:** Insulin alteration of epinephrine action on the heart. Gen Pharmacol 9(6):433–6, 1978
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ DRUG INTERACTIONS/ *EPINEPHRINE, pharmacodynamics/ FROGS/ HEART RATE, drug effects/ *HEART, drug effects/ IN VITRO/ *INSULIN, pharmacodynamics/ MYOCARDIUM, metabolism/ RANA CATESBEIANA/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4103. **Voûte CL, Meier W:** The mitochondria-rich cell of frog skin as hormone-sensitive 'shunt-path'. J Membr Biol 40 Spec No:151–65, 1978
AMILORIDE, pharmacodynamics/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ BUFFERS/ *CHLORIDES, metabolism/ EPITHELIUM, metabolism/ FROGS/ IN VITRO/ MICROSCOPY, ELECTRON/ *MITOCHONDRIA, metabolism/ NOREPINEPHRINE, pharmacodynamics/ RANA ESCULENTA/ *RECEPTORS, HORMONE, metabolism/ *SKIN, metabolism/ SKIN, ultrastructure

4104. **Vrubel F, Novák P:** K diagnostice a léčbě Cushingova syndromu. Rozhl Chir 57(12):793–7, Dec 78 (Eng. Abstr.) **(Cze)**
ADOLESCENCE/ ADULT/ *CUSHING'S SYNDROME, diagnosis/ CUSHING'S SYNDROME, surgery/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE

4105. **Vu Van H, Grimaud JA, Cognat M:** Immunoglobulin deposits and testis tubular membrane pathology in human sterility. Arch Androl 1(4):351–3, Sep 78
HUMAN/ *IMMUNOGLOBULINS, analysis/ MALE/ *SEMINIFEROUS TUBULES, immunology/ SEMINIFEROUS TUBULES, pathology/ *STERILITY, MALE, immunology/ STERILITY, MALE, pathology/ *TESTIS, immunology

4106. **Vyhnánek F, Vaněček M, Helfert I, et al:** [Effects of dopamine and hydrocortisone in the acute endotoxin shock in the anesthetized dog] Rozhl Chir 57(11):749–56, Nov 78 (Eng. Abstr.) **(Cze)**
ANIMAL/ DISEASE MODELS, ANIMAL/ DOGS/ *DOPAMINE, administration & dosage/ ENGLISH ABSTRACT/ ESCHERICHIA COLI/ *HYDROCORTISONE, administration & dosage/ INFUSIONS, PARENTERAL/ *SHOCK, SEPTIC, drug therapy

4107. **Vyhnánek F, Vaněček M, Helfert I, et al:** The effects of hydrocortisone and dopamine on circulatory alterations in experimental acute endotoxin shock in dogs. Z Exp Chir 11(5):322–7, 1978
ANIMAL/ BLOOD PRESSURE, drug effects/ DOGS/ *DOPAMINE, therapeutic use/ ENDOTOXINS/ ESCHERICHIA COLI, immunology/ HEART VENTRICLE/ *HYDROCORTISONE, therapeutic use/ MALE/ MYOCARDIAL CONTRACTION, drug effects/ REGIONAL BLOOD FLOW, drug effects/ RENAL ARTERY/ *SHOCK, SEPTIC, drug therapy

W

4108. **Waalkes TP, Tormey DC:** Biologic markers and breast cancer. Semin Oncol 5(4):434–44, Dec 78 (66 ref.)
ALPHA MACROGLOBULINS, analysis/ BLOOD PROTEINS, analysis/ BREAST NEOPLASMS, analysis/ *BREAST NEOPLASMS, diagnosis/ CALCITONIN, blood/ CARBOHYDRATES, blood/ CARCINOEMBRYONIC ANTIGEN, analysis/ CREATINE, urine/ FEMALE/ FERRITIN, blood/ GONADOTROPINS, CHORIONIC, blood/ HEXOSYLTRANSFERASES, blood/ HUMAN/ HYDROXYPROLINE, urine/ POLYAMINES, urine/ PREGNANCY/ REVIEW/ RNA, TRANSFER, urine

4109. **Wachtel SS, Koo GC:** H-Y antigen and abnormal sex differentiation. Birth Defects 14(6C):1–7, 1978 (19 ref.)
ANIMAL/ CATTLE/ CELL MEMBRANE, immunology/ CHROMOSOME MAPPING/ GENES/ *H-Y ANTIGEN, genetics/ H-Y ANTIGEN, immunology/ HUMAN/ MALE/ REVIEW/ RODENTS/ SEX CHROMOSOME ABNORMALITIES, familial & genetic/ *SEX DIFFERENTIATION DISORDERS, familial & genetic/ SEX REVERSAL, GONADAL/ TESTICULAR FEMINIZATION, familial & genetic/ TESTIS, embryology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ Y CHROMOSOME

4110. **Waddington JL, Crow TJ:** Drug-induced rotational behaviour following unilateral intracerebral injection of saline-ascorbate solution: neurotoxicity of ascorbic acid and monoamine-independent circling. Brain Res 161(2):371–6, 2 Feb 79
ANIMAL/ *APOMORPHINE, pharmacodynamics/ *ASCORBIC ACID, toxicity/ *BEHAVIOR, drug effects/ CEREBRAL CORTEX, metabolism/ CORPUS STRIATUM, metabolism/ *DIHYDROXYTRYPTAMINES, pharmacodynamics/ DOPAMINE, metabolism/ GABA, metabolism/ *HYDROXYDOPAMINE, pharmacodynamics/ MALE/ MEDIAN FOREBRAIN BUNDLE, drug effects/ *METHOXYTRYPTAMINE, pharmacodynamics/ *MOTOR ACTIVITY, drug effects/ NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, metabolism/ *SODIUM CHLORIDE, toxicity/ *STEREOTYPED BEHAVIOR, drug effects/ *TRYPTAMINES, pharmacodynamics/ *5,7-DIHYDROXYTRYPTAMINE, pharmacodynamics

4111. **Wade JB:** Membrane structural specialization of the toad urinary bladder revealed by the freeze-fracture technique. III. Location, structure and vasopressin dependence of intramembrane particle arrays. J Membr Biol 40 Spec No:281–96, 1978
ANIMAL/ *BLADDER, ultrastructure/ BUFO MARINUS/ *CELL MEMBRANE, ultrastructure/ DEHYDRATION/ EPITHELIUM, ultrastructure/ FEMALE/ FREEZE FRACTURING/ *GRANULOCYTES, ultrastructure/ MICROSCOPY, ELECTRON/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VASOPRESSINS, pharmacodynamics

4112. **Wadkins CL, Luben RA:** Effects of fluoride on in vitro calcification of tendon matrix. Calcif Tissue Res 26(1):51–9, 10 Nov 78
ANIMAL/ *CALCIFICATION, PHYSIOLOGIC, drug effects/ CATTLE/ FLUORIDES, metabolism/ *FLUORIDES, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ KINETICS/ PHOSPHATES, metabolism/ *TENDONS, drug effects

4113. **Wagner G:** Schwere intrauterine Wachstumsretardierung bei Heroinabusus der Mutter--Ein Fallbericht. Z Geburtshilfe Perinatol 182(6):462–4, Dec 78 (Eng. Abstr.) (Ger)
ADOLESCENCE/ CASE REPORT/ *DIACETYLMORPHINE, adverse effects/ DRUG WITHDRAWAL SYMPTOMS/ ENGLISH ABSTRACT/ FEMALE/ *FETAL GROWTH RETARDATION, chemically induced/ HEROIN ADDICTION, complications/ HUMAN/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES/ MALE/ MATERNAL-FETAL EXCHANGE/ PLACENTA DISORDERS, etiology/ PREGNANCY COMPLICATIONS/ PREGNANCY

4114. **Wagner TE, Sliwinski JE, Shewmaker DB:** Subunit structure of Eutherian sperm chromatin. Arch Androl 1(1):31–41, 1978
ANIMAL/ *CATTLE, anatomy & histology/ CELL NUCLEUS, ultrastructure/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *HORSES, anatomy & histology/ HUMAN/ MALE/ MERCAPTOETHANOL/ MICROCOCCAL NUCLEASE/ NUCLEOPROTEINS, analysis/ SEX CHROMATIN, analysis/ *SEX CHROMATIN, ultrastructure/ *SHEEP, anatomy & histology/ *SPERMATOZOA, ultrastructure/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4115. **Wahl LM, Olsen CE, Wahl SM, et al:** Prostaglandin regulated macrophage collagenase. pp. 181–90.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.
ANIMAL/ CELLS, CULTURED/ *CLOSTRIDIOPEPTIDASE A, metabolism/ ENDOTOXINS, pharmacodynamics/ GUINEA PIGS/ INDOMETHACIN, pharmacodynamics/ MACROPHAGES, drug effects/ *MACROPHAGES, enzymology/ MONOGRAPH/ *PROSTAGLANDINS, pharmacodynamics

4116. **Wahl TO, Kyner JL:** Source of ACTH in Cushing's disease [letter] N Engl J Med 300(12):679, 22 Mar 79
ADENOMA, surgery/ ADRENALECTOMY/ ADULT/ CASE REPORT/ *CORTICOTROPIN, secretion/ *CUSHING'S SYNDROME, physiopathology/ CUSHING'S SYNDROME, surgery/ FEMALE/ HUMAN/ HYPOPHYSECTOMY/ PITUITARY NEOPLASMS, surgery

4117. **Wahlström A:** Chemical mechanisms in pain modulation. Acta Anaesthesiol Scand [Suppl] (70):119–23, 1978
ENDORPHINS, cerebrospinal fluid/ *ENDORPHINS, physiology/ HUMAN/ NEURAL TRANSMISSION/ PAIN, cerebrospinal fluid/ *PAIN, physiopathology/ SUBSTANCE P, physiology

4118. **Wahner HW:** Radionuclides in the diagnosis of fracture healing. J Nucl Med 19(12):1356–8, Dec 78
ANIMAL/ *BONE AND BONES, radionuclide imaging/ FRACTURES, physiopathology/ *FRACTURES, radionuclide imaging/ HUMAN/ RABBITS/ RATS/ WOUND HEALING

4119. **Waine E:** Psoriasis: a medical mystery? Aust Fam Physician 7(12):1491–5, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADMINISTRATION, TOPICAL/ ANTHRALIN, therapeutic use/ ARTHRITIS, complications/ COAL TAR, therapeutic use/ HISTOCOMPATIBILITY ANTIGENS/ HUMAN/ PHOTOCHEMOTHERAPY/ *PSORIASIS/ PSORIASIS, diagnosis/ PSORIASIS, etiology/ PSORIASIS, therapy/ SKIN, metabolism/ STEROIDS, administration & dosage/ STEROIDS, therapeutic use/ ULTRAVIOLET THERAPY

4120. **Waitzman MB, Woods WD, Cheek WV:** Effects of prostaglandins and norepinephrine on ocular pressure and pupil size in rabbits following bilateral cervical ganglionectomy. Invest Ophthalmol Vis Sci 18(1):52–60, Jan 79
ANIMAL/ GANGLIA, AUTONOMIC, physiology/ INDOMETHACIN, pharmacodynamics/ *INTRAOCULAR PRESSURE, drug effects/ MALE/ MYDRIATICS, pharmacodynamics/ *NOREPINEPHRINE, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ *PUPIL, drug effects/ RABBITS/ SYMPATHECTOMY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4121. **Waldherr R, Gubler MC, Levy M, et al:** The significance of

pure diffuse mesangial proliferation in idiopathic nephrotic syndrome. Clin Nephrol 10(5):171–9, Nov 78
COMPLEMENT 3, metabolism/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GLOMERULOSCLEROSIS, FOCAL, pathology/ HUMAN/ IMMUNOGLOBULINS, metabolism/ KIDNEY GLOMERULUS, immunology/ *KIDNEY GLOMERULUS, pathology/ KIDNEY GLOMERULUS, ultrastructure/ MALE/ MICROSCOPY, ELECTRON/ NEPHROTIC SYNDROME, drug therapy/ *NEPHROTIC SYNDROME, pathology/ SCLEROSIS/ STEROIDS, therapeutic use

4122. **Walker AM, Hopkins CR:** Dissociation of the porcine anterior pituitary: the kinetics of luteinizing hormone release in response to luteinizing hormone–releasing hormone. Mol Cell Endocrinol 12(2):177–87, Nov 78
ANIMAL/ CASTRATION/ CELLS, CULTURED/ DOSE-RESPONSE RELATIONSHIP, DRUG/ KINETICS/ *LH, secretion/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ PITUITARY GLAND, ANTERIOR, drug effects/ *PITUITARY GLAND, ANTERIOR, secretion/ PITUITARY GLAND, ANTERIOR, ultrastructure/ SWINE

4123. **Walker AR:** Can brown bread significantly prejudice mineral metabolism? [editorial] S Afr Med J 54(16):632–3, 14 Oct 78
BREAD/ CALCIUM, metabolism/ *CELLULOSE, adverse effects/ *DIETARY FIBER, adverse effects/ HUMAN/ IRON, metabolism/ *MINERALS, metabolism/ ZINC, metabolism

4124. **Walker BB, Sandman CA:** Influences of an analog of the neuropeptide ACTH 4–9 on mentally retarded adults. Am J Ment Defic 83(4):346–52, Jan 79
ADULT/ *ATTENTION, drug effects/ CONCEPT FORMATION, drug effects/ *CORTICOTROPIN, analogs & derivatives/ CORTICOTROPIN, therapeutic use/ DOUBLE-BLIND METHOD/ FEMALE/ HUMAN/ MALE/ MEMORY, drug effects/ *MENTAL RETARDATION, drug therapy/ MIDDLE AGE/ *PEPTIDE FRAGMENTS, therapeutic use/ PSYCHOLOGICAL TESTS/ REVERSAL LEARNING, drug effects

4125. **Walker DG:** Abbrogation of congenital osteopetrosis by leukocyte subpopulations. pp. 383–7.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.
*BONE RESORPTION/ HUMAN/ LEUKOCYTES, immunology/ *LEUKOCYTES, physiology/ MONOGRAPH/ OSTEOPETROSIS, congenital/ OSTEOPETROSIS, immunology/ *OSTEOPETROSIS, physiopathology

4126. **Walker FM, Peaker M:** Production of oestradiol–17beta by the goat mammary gland during late pregnancy in relation to lactogenesis [proceedings] J Physiol (Lond) 284:71P–72P, Nov 78
ANIMAL/ *ESTRADIOL, biosynthesis/ FEMALE/ *GOATS, metabolism/ *LACTATION/ *MAMMAE, metabolism/ PREGNANCY/ *PREGNANCY, ANIMAL/ PROLACTIN, secretion

4127. **Walker RF, Fahmy DR:** Radioimmunoassay of 17alpha-hydroxyprogesterone in whole saliva and parotid fluid of children with congenital adrenal hyperplasia [proceedings] J Endocrinol 79(2):64P–65P, Nov 78
ADOLESCENCE/ *ADRENAL GLAND HYPERFUNCTION, metabolism/ CHILD/ CHILD, PRESCHOOL/ HUMAN/ *HYDROXYPROGESTERONES, analysis/ INFANT/ PAROTID GLAND, analysis/ RADIOIMMUNOASSAY/ *SALIVA, analysis

4128. **Wallace RW, Lynch TJ, Tallant EA, et al:** Purification and characterization of an inhibitor protein of brain adenylate cyclase and cyclic nucleotide phosphodiesterase. J Biol Chem 254(2):377–82, 25 Jan 79
*ADENYL CYCLASE, antagonists & inhibitors/ ANIMAL/ *BRAIN, physiology/ CATTLE/ DRUG STABILITY/ HEAT/ KINETICS/ MOLECULAR WEIGHT/ NERVE TISSUE PROTEINS, isolation & purification/ *NERVE TISSUE PROTEINS, physiology/ *PHOSPHODIESTERASE INHIBITORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4129. **Wallach S:** Management of osteoporosis. Hosp Pract 13(12):91–8, Dec 78
AGED/ ANDROGENS, therapeutic use/ CALCITONIN, therapeutic use/ ESTROGENS, therapeutic use/ ETHNIC GROUPS/ FEMALE/ HUMAN/ MALE/ MENOPAUSE/ MIDDLE AGE/ OSTEOPOROSIS, diagnosis/ *OSTEOPOROSIS, drug therapy/ SEX FACTORS/ SODIUM FLUORIDE, therapeutic use

4130. **Wallar PH, Reece JM:** Ocular findings in a patient with Kugelberg–Welander syndrome: a case report. J Pediatr Opthalmol Strabismus 15(1):15–8, Jan–Feb 78
ADOLESCENCE/ ADULT/ AMBLYOPIA, complications/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ EXOPHTHALMOS, complications/ *EYE DISEASES, complications/ EYE DISEASES, diagnosis/ FEMALE/ *GROWTH DISORDERS, complications/ HUMAN/ INFANT/ INFANT, NEWBORN/ *MUSCULAR DISEASES, complications/ MUSCULAR DISEASES, diagnosis/ MYOPIA, complications/ *NERVOUS SYSTEM DISEASES, complications/ NERVOUS SYSTEM DISEASES, diagnosis/ PREGNANCY/ STRABISMUS, complications/ SYNDROME

4131. **Wallington EA:** Artifacts in tissue sections. Med Lab Sci 36(1):3–61, Jan 79 (73 ref.)
BONE AND BONES/ DECALCIFICATION TECHNIC/ *HISTOLOGICAL TECHNICS/ MICROSCOPY/ MICROTOMY, methods/ REVIEW/ SPECIMEN HANDLING/ STAINS AND STAINING

4132. **Walsh BT, Katz JL, Levin J, et al:** Adrenal activity in anorexia nervosa. Psychosom Med 40(6):499–506, Oct 78
ADOLESCENCE/ ADRENAL CORTEX, drug effects/ *ADRENAL CORTEX, physiopathology/ ADULT/ *ANOREXIA NERVOSA, physiopathology/ DEXAMETHASONE, administration & dosage/ FEMALE/ HUMAN/ HYDROCORTISONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4133. **Walsh CH, Baylis PH, Malins JM:** Plasma arginine vasopressin in diabetic ketoacidosis. Diabetologia 16(2):93–6, Feb 79
*ACIDOSIS, DIABETIC, metabolism/ ADOLESCENCE/ ADULT/ AGED/ *ARGIPRESSIN, blood/ FEMALE/ FLUID THERAPY/ HUMAN/ INSULIN, therapeutic use/ *KETOSIS, DIABETIC, metabolism/ KETOSIS, DIABETIC, therapy/ MALE/ MIDDLE AGE/ OSMOSIS/ POTASSIUM, therapeutic use

4134. **Walsh JW, Rosenfield AT, Jaffe CC, et al:** Prospective comparison of ultrasound and computed tomography in the evaluation of gynecologic pelvic masses. AJR 131(6):955–60, Dec 78
COMPARATIVE STUDY/ DIAGNOSTIC ERRORS/ FEMALE/ *GENITAL DISEASES, FEMALE, diagnosis/ GENITAL DISEASES, FEMALE, radiography/ HUMAN/ OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, radiography/ *PELVIC NEOPLASMS, diagnosis/ PELVIC NEOPLASMS, radiography/ PROSPECTIVE STUDIES/ *TOMOGRAPHY, COMPUTERIZED AXIAL/ *ULTRASONICS, diagnostic use/ UTERINE NEOPLASMS, diagnosis/ UTERINE NEOPLASMS, radiography

4135. **Walsh JW, Taylor KJ, Wasson JF, et al:** Gray-scale ultrasound in 204 proved gynecologic masses: accuracy and specific diagnostic criteria. Radiology 130(2):391–7, Feb 79
ABORTION, MISSED, diagnosis/ ABSCESS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ DIAGNOSTIC ERRORS/ EVALUATION STUDIES/ FEMALE/ *GENITAL DISEASES, FEMALE, diagnosis/ *GENITAL NEOPLASMS, FEMALE, diagnosis/ HUMAN/ OVARIAN CYSTS, diagnosis/ PREGNANCY, ECTOPIC, diagnosis/ *ULTRASONICS, diagnostic use/ UTERINE NEOPLASMS, diagnosis

4136. **Walsh PC:** A new cause of male infertility [editorial] N Engl J Med 300(5):253–4, 1 Feb 79
*ANDROGENS, physiology/ HUMAN/ LH, blood/ MALE/ *STERILITY, MALE, etiology/ TESTOSTERONE, blood

4137. **Walsh PC, Greco JM, Tananis CE, et al:** The binding of a potent synthetic androgen--methyltrienolone (R 1881)--to

cytosol preparations of human prostatic cancer. Trans Am Assoc Genitourin Surg 69:78–80, 1977
*ANDROGENS, SYNTHETIC, pharmacodynamics/ ANIMAL/ BINDING, COMPETITIVE/ CYTOSOL, analysis/ CYTOSOL, drug effects/ HUMAN/ LYMPHATIC METASTASIS/ MALE/ NEOPLASM METASTASIS/ *PROSTATIC HYPERTROPHY, physiopathology/ *PROSTATIC NEOPLASMS, analysis/ PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, physiopathology/ RATS/ *RECEPTORS, ANDROGEN, analysis/ RECEPTORS, ANDROGEN, drug effects/ *RECEPTORS, STEROID, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4138. **Walter RD, Buse E, Ebert F:** Effect of cyclic AMP on transformation and proliferation of leishmania cells. Tropenmed Parasitol 29(4):439–42, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ CAFFEINE, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ HUMAN/ *LEISHMANIA, drug effects/ LEISHMANIA, growth & development/ LEISHMANIA, metabolism/ MORPHOGENESIS, drug effects/ PAPAVERINE, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics

4139. **Walters WA, Greco S, Vijayakumar R, et al:** Ovarian and peripheral venous blood prostaglandin F2alpha levels in pregnant and nonpregnant women. Int J Gynaecol Obstet 16(3):259–62, 1978–79
FEMALE/ HUMAN/ *OVARY, blood supply/ *PREGNANCY/ *PROSTAGLANDINS F, blood/ RADIOIMMUNOASSAY/ VEINS

4140. **Walton KG, Liepmann P, Baldessarini RJ:** Inhibition of dopamine-stimulated adenylate cyclase activity by phenoxybenzamine. Eur J Pharmacol 52(2):231–4, 15 Nov 78
*ADENYL CYCLASE, antagonists & inhibitors/ ANIMAL/ CORPUS STRIATUM, enzymology/ *DOPAMINE, antagonists & inhibitors/ *DOPAMINE, pharmacodynamics/ MALE/ *PHENOXYBENZAMINE, pharmacodynamics/ RATS/ TEMPERATURE/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4141. **Waluś KM:** Odkrycie i rola biologiczna endogennych peptydów morfinomimetycznych. Przegl Lek 35(12):891–4, 1978 (Eng. Abstr.) **(Pol)**
ADENYL CYCLASE, metabolism/ AFFECTIVE DISTURBANCES, metabolism/ ANIMAL/ CELL MEMBRANE, metabolism/ ENDORPHINS, classification/ ENGLISH ABSTRACT/ HUMAN/ NALOXONE, pharmacodynamics/ *NARCOTICS/ NARCOTICS, pharmacodynamics/ PAIN/ *RECEPTORS, NARCOTIC

4142. **Wang CL, Miyata T, Weksler B, et al:** Collagen-induced platelet aggregation and release. I Effects of side-chain modifications and role of arginyl residues. Biochim Biophys Acta 544(3):555–67, 18 Dec 78
AMINO ACID SEQUENCE/ ANIMAL/ ARGININE/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, physiology/ CATTLE/ *COLLAGEN, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ MACROMOLECULAR SYSTEMS/ METHYLATION/ *PLATELET AGGREGATION, drug effects/ *SEROTONIN, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ SUCCINATES/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4143. **Wang CL, Miyata T, Weksler B, et al:** Collagen-induced platelet aggregation and release. II Critical size and structural requirements of collagen. Biochim Biophys Acta 544(3):568–77, 18 Dec 78
ANIMAL/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, physiology/ CATTLE/ *COLLAGEN, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ MOLECULAR WEIGHT/ *PLATELET AGGREGATION, drug effects/ SEROTONIN, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED/ VISCOSITY

4144. **Wanless IR, Gledhill RW:** Failure to produce hepatic hyperplastic nodules in rats by portacaval anastomosis and testosterone [letter] Nature 277(5694):327–8, 22 Jan 79
ANIMAL/ HYPERPLASIA/ *LIVER, pathology/ MALE/ *PORTACAVAL ANASTOMOSIS, adverse effects/ RATS/ *TESTOSTERONE

4145. **Ward P, Khan AN:** Value of oblique tomography in tracheal stenosis due to retrosternal goitre. Br Med J 2(6152):1609–10, 9 Dec 78
AGED/ CASE REPORT/ FEMALE/ *GOITER, SUBSTERNAL, complications/ HUMAN/ MALE/ MIDDLE AGE/ TOMOGRAPHY, RADIOGRAPHIC/ TRACHEAL STENOSIS, etiology/ *TRACHEAL STENOSIS, radiography

4146. **Warnock DG, Edelman IS:** Occupancy of aldosterone binding sites in rat kidney cytosol. Mol Cell Endocrinol 12(2):221–33, Nov 78
ADRENALECTOMY/ ALDOSTERONE ANTAGONISTS, metabolism/ *ALDOSTERONE, metabolism/ ANIMAL/ CALCIUM, pharmacodynamics/ CYTOSOL, drug effects/ CYTOSOL, metabolism/ EDTA, pharmacodynamics/ IN VITRO/ *KIDNEY, metabolism/ KINETICS/ MALE/ RATS/ RECEPTORS, HORMONE, drug effects/ *RECEPTORS, HORMONE, metabolism/ *SPIRONOLACTONE, analogs & derivatives/ SPIRONOLACTONE, metabolism/ TEMPERATURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4147. **Warren PS, Garrett WJ, Kossoff G:** The liquid-filled stomach--an ultrasonic window to the upper abdomen. JCU 6(5):315–20, Oct 78
*ABDOMEN/ ABDOMEN, anatomy & histology/ ADRENAL GLAND NEOPLASMS, diagnosis/ AORTA, ABDOMINAL, anatomy & histology/ COMMON BILE DUCT CALCULI, diagnosis/ DUODENUM, anatomy & histology/ GLUCAGON, administration & dosage/ HEPATIC ARTERY, anatomy & histology/ HUMAN/ INJECTIONS, INTRAVENOUS/ JEJUNUM, anatomy & histology/ KIDNEY, anatomy & histology/ METHYLCELLULOSE, diagnostic use/ PANCREAS, anatomy & histology/ PORTAL VEIN, anatomy & histology/ SPLEEN, anatomy & histology/ *STOMACH/ STOMACH, anatomy & histology/ *ULTRASONICS, diagnostic use/ ULTRASONICS, instrumentation/ VENA CAVA, INFERIOR, anatomy & histology

4148. **Warshaw BL, Anand SK, Olson DL, et al:** Hypertension secondary to a renin-producing juxtaglomerular cell tumor. J Pediatr 94(2):247–50, Feb 79
*HEMANGIOPERICYTOMA, complications/ HEMANGIOPERICYTOMA, diagnosis/ HEMANGIOPERICYTOMA, secretion/ HEMANGIOPERICYTOMA, surgery/ HUMAN/ *HYPERTENSION, etiology/ *KIDNEY NEOPLASMS, complications/ KIDNEY NEOPLASMS, diagnosis/ KIDNEY NEOPLASMS, secretion/ KIDNEY NEOPLASMS, surgery/ KIDNEY, pathology/ NEPHRECTOMY/ *RENIN, blood

4149. **Wasada T:** [The changes in serum levels of FSH, LH, LHalpha and beta-subunit, and prolactin and their responses to synthetic LH-RH and TRH in normal subjects with aging (author's transl)] Fukuoka Igaku Zasshi 69(12):506–18, 25 Dec 78 (Eng. Abstr.) **(Jpn)**
ADOLESCENCE/ ADULT/ AGED/ *AGING/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ *FSH, blood/ HUMAN/ *LH, blood/ *LH-FSH RELEASING HORMONE, diagnostic use/ MALE/ MIDDLE AGE/ *PROLACTIN, blood/ SEX FACTORS/ *THYROTROPIN RELEASING HORMONE, diagnostic use

4150. **Wass VJ, Wass JA, Rees L, et al:** Sex hormone changes underlying menstrual disturbances on haemodialysis. Proc Eur Dial Transplant Assoc 15:178–86, 1978
ADOLESCENCE/ ADULT/ *ESTRADIOL, blood/ FEMALE/ *GONADOTROPINS, PITUITARY, blood/ *HEMODIALYSIS/ HEMODIALYSIS, adverse effects/ HUMAN/ KIDNEY, transplantation/ *MENSTRUATION DISORDERS, blood/ MENSTRUATION DISORDERS, etiology/ MIDDLE AGE/ *PROGESTERONE, blood/ TRANSPLANTATION, ALLOGENEIC

4151. **Watkins CA, Morgan HE:** Relationship between rates of

methylation and synthesis of heart protein. J Biol Chem 254(3):693–701, 10 Feb 79
ANIMAL/ BIOLOGICAL TRANSPORT/ CYCLOHEXIMIDE, pharmacodynamics/ HISTIDINE, analysis/ HYPOPHYSECTOMY/ KINETICS/ LYSINE, analysis/ MALE/ METHIONINE, metabolism/ METHYLATION/ *MUSCLE PROTEINS, metabolism/ *MYOCARDIUM, metabolism/ RATS/ TRANSLATION, GENETIC, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4152. **Watson DC, Levy WB, Dixon GH:** Free ubiquitin is a non-histone protein of trout testis chromatin. Nature 276(5684):196–8, 9 Nov 78
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ ANIMAL/ *CHROMATIN, analysis/ CHROMATIN, ultrastructure/ *CHROMOSOMAL PROTEINS, NON-HISTONE, analysis/ MALE/ MICROCOCCAL NUCLEASE, analysis/ MOLECULAR WEIGHT/ TESTIS, analysis/ *THYMOPOIETINS, analysis/ *THYMUS HORMONES, analysis/ TROUT

4153. **Watson G, Paigen K:** Segregation of genetic determinants for murine glucuronidase synthesis and loss in CXB recombinant-inbred strains. Biochem Genet 16(9–10):897–903, Oct 78
ANIMAL/ ENZYME INDUCTION/ FEMALE/ *GENES, REGULATOR/ GENES, STRUCTURAL/ GLUCURONIDASE, biosynthesis/ *GLUCURONIDASE, genetics/ HYBRIDIZATION/ KIDNEY, enzymology/ LINKAGE (GENETICS)/ MICE/ MICE, INBRED STRAINS/ PHENOTYPE/ TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4154. **Watson SJ, Akil H, Berger PA, et al:** Some observations on the opiate peptides and schizophrenia. Arch Gen Psychiatry 36(1):35–41, Jan 79 (85 ref.)
ADMINISTRATION, ORAL/ BRAIN, drug effects/ *BRAIN, metabolism/ DOUBLE-BLIND METHOD/ ENDORPHINS, antagonists & inhibitors/ *ENDORPHINS, metabolism/ ENDORPHINS, pharmacodynamics/ FUTUROLOGY/ HEMODIALYSIS/ HUMAN/ NALOXONE, pharmacodynamics/ NALOXONE, therapeutic use/ NALTREXONE, administration & dosage/ NALTREXONE, therapeutic use/ *RECEPTORS, NARCOTIC, physiology/ REVIEW/ SCHIZOPHRENIA, drug therapy/ *SCHIZOPHRENIA, metabolism/ SCHIZOPHRENIA, therapy/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4155. **Watt DA:** Testicular pathology of Merino rams. Aust Vet J 54(10):473–8, Oct 78
ANIMAL/ ATROPHY, pathology/ AUSTRALIA/ MALE/ *SHEEP DISEASES, pathology/ SHEEP/ TESTICULAR DISEASES, microbiology/ TESTICULAR DISEASES, occurrence/ TESTICULAR DISEASES, veterinary/ TESTIS, microbiology/ *TESTIS, pathology

4156. **Watts RW:** Recent advances in screening for inborn errors of metabolism. Monogr Hum Genet 9:204–11, 1978
ANEMIA, SICKLE CELL, occurrence/ CRETINISM, occurrence/ CYSTIC FIBROSIS, occurrence/ HETEROZYGOTE DETECTION/ HUMAN/ *METABOLISM, INBORN ERRORS, diagnosis/ METABOLISM, INBORN ERRORS, familial & genetic/ PHENYLKETONURIA, occurrence/ TAY-SACHS DISEASE, occurrence

4157. **Way EL:** Basic mechanisms in narcotic tolerance and physical dependence. Ann NY Acad Sci 311:61–8, 1978 (42 ref.)
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL/ BRAIN, drug effects/ BRAIN, metabolism/ CALCIUM, metabolism/ CALCIUM, physiology/ DRUG DEPENDENCE, metabolism/ *DRUG DEPENDENCE, physiopathology/ *DRUG TOLERANCE/ DRUG WITHDRAWAL SYMPTOMS, physiopathology/ ENDORPHINS, physiology/ MORPHINE, pharmacodynamics/ *NARCOTICS, pharmacodynamics/ REVIEW/ SEROTONIN, physiology/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4158. **Waymire JC, Gilmer-Waymire K, Haycock JW:** Cyclic-AMP-induced differentiation in neuroblastoma is independent of cell division rate. Nature 276(5684):194–5, 9 Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analogs & derivatives/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ BUTYRATES, pharmacodynamics/ *CELL DIFFERENTIATION, drug effects/ *CELL DIVISION, drug effects/ CELL LINE/ CHOLINE ACETYLTRANSFERASE, biosynthesis/ ENZYME INDUCTION, drug effects/ NEOPLASMS, EXPERIMENTAL, pathology/ NEUROBLASTOMA, pathology/ STRUCTURE-ACTIVITY RELATIONSHIP/ TYROSINE HYDROXYLASE, biosynthesis

4159. **Ways SC, Bern HA:** Longterm effects of neonatal treatment with cortisol and/or estrogen in the female BALB/c mouse. Proc Soc Exp Biol Med 160(1):94–8, Jan 79
ANIMAL/ *ANIMALS, NEWBORN/ BODY WEIGHT, drug effects/ *ESTRADIOL, pharmacodynamics/ ESTRUS, drug effects/ FEMALE/ *GENITALIA, FEMALE, drug effects/ *HYDROCORTISONE, pharmacodynamics/ *IMMUNITY, drug effects/ MICE/ MICE, INBRED BALB C/ OVARY, drug effects/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4160. **Webb DR:** The effects of prostaglandins on cAMP levels in subpopulations of mouse lymphocytes. Prostaglandins Med 1(6):441–53, Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ B-LYMPHOCYTES, drug effects/ B-LYMPHOCYTES, metabolism/ CELLS, CULTURED/ CYCLOHEXIMIDE, pharmacodynamics/ LYMPHOCYTES, drug effects/ *LYMPHOCYTES, metabolism/ MALE/ MICE/ MICE, INBRED C57BL/ PHOSPHODIESTERASE INHIBITORS, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ SPLEEN, cytology/ T-LYMPHOCYTES, drug effects/ T-LYMPHOCYTES, metabolism/ THYMUS GLAND, cytology

4161. **Webb DR, Mullarkey MF, Freeman MI:** Flunisolide in chronic bronchial asthma. Ann Allergy 42(2):80–2, Feb 79
ADRENAL CORTEX FUNCTION TESTS/ ANTI-INFLAMMATORY AGENTS/ *ASTHMA, drug therapy/ DRUG DEPENDENCE/ EYE, physiology/ FEMALE/ *FLUOCINOLONE ACETONIDE, analogs & derivatives/ FLUOCINOLONE ACETONIDE, therapeutic use/ *GLUCOCORTICOIDS, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ RESPIRATORY FUNCTION TESTS

4162. **Webb S, Parker RP:** A Monte Carlo study of the interaction of external beam X-radiation with inhomogeneous media. Phys Med Biol 23(6):1043–59, Nov 78
*BONE AND BONES, radiation effects/ COMPUTERS/ *LUNG, radiation effects/ MODELS, BIOLOGICAL/ MONTE CARLO METHOD/ RADIATION DOSAGE/ SCATTERING, RADIATION/ X-RAYS

4163. **Webb WR, Wax SD:** Post-traumatic respiratory distress syndrome. Compr Ther 5(1):19–23, Jan 79
ADULT/ ANTIBIOTICS, therapeutic use/ DIURETICS, therapeutic use/ EMBOLISM, FAT, complications/ FLUID THERAPY, adverse effects/ HUMAN/ METHYLPREDNISOLONE, therapeutic use/ OXYGEN, toxicity/ RESPIRATION, ARTIFICIAL/ RESPIRATORY DISTRESS SYNDROME, ADULT, etiology/ *RESPIRATORY DISTRESS SYNDROME, ADULT, therapy/ THROMBOSIS, complications/ *WOUNDS AND INJURIES, complications

4164. **Weber E, Voigt KH, Martin R:** Pituitary somatotrophs contain [Met]enkephalin-like immunoreactivity. Proc Natl Acad Sci USA 75(12):6134–8, Dec 78
ADRENALECTOMY/ ANIMAL/ ANTIBODY SPECIFICITY/ ENDORPHINS, immunology/ *ENDORPHINS, metabolism/ ENKEPHALINS, immunology/ *ENKEPHALINS, metabolism/ IMMUNOENZYME TECHNICS/ PITUITARY GLAND, ANTERIOR, cytology/ *PITUITARY GLAND, ANTERIOR, metabolism/ RATS/ SOMATOTROPIN, biosynthesis

4165. **Weber MA:** Saralasin testing for renin-dependent hypertension. Arch Intern Med 139(1):93–5, Jan 79

*ANGIOTENSIN II, analogs & derivatives/ ANGIOTENSIN II, physiology/ BLOOD PRESSURE, drug effects/ HUMAN/ *HYPERTENSION, physiopathology/ HYPERTENSION, RENOVASCULAR, physiopathology/ *RENIN, physiology/ SARALASIN, administration & dosage/ *SARALASIN, diagnostic use/ SODIUM, metabolism

4166. **Weber T, Happ J, Callensee W, et al:** Léčba kryptorchismu D-leu6-des-gly10-GnRH-etylamidem, vysoce účinným analogem gonadotropin-releasing hormonu (GnRH = LH-RH). Cesk Pediatr 33(10):613–4, Oct 78 (Eng. Abstr.) **(Cze)**
AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ *CRYPTORCHISM, drug therapy/ ENGLISH ABSTRACT/ HUMAN/ INFANT/ MALE/ PITUITARY HORMONE RELEASING HORMONES, administration & dosage/ *PITUITARY HORMONE RELEASING HORMONES, therapeutic use

4167. **Weber W, Staub JJ, Obrecht JP:** Paraneoplastische Syndrome beim Bronchuskarzinom. Ther Umsch 35(12):1005–9, Dec 78 (Eng. Abstr.) **(Ger)**
*BRONCHIAL NEOPLASMS, complications/ BRONCHIAL NEOPLASMS, secretion/ ENDOCRINE DISEASES, complications/ ENGLISH ABSTRACT/ HUMAN/ IMMUNOLOGIC DISEASES, complications/ METABOLIC DISEASES, complications/ METABOLIC DISEASES, etiology/ SYNDROME

4168. **Weckesser EC:** Some results using triamcinolone on immobilized joints. Hand 10(3):267–75, Oct 78
ADOLESCENCE/ ADULT/ ANIMAL/ FINGER INJURIES, drug therapy/ FINGER INJURIES, physiopathology/ FINGER INJURIES, surgery/ HUMAN/ *IMMOBILIZATION/ *JOINT DISEASES, drug therapy/ MIDDLE AGE/ MOVEMENT/ RATS/ *TRIAMCINOLONE, therapeutic use

4169. **Wedley S, Howard JL, Large BT, et al:** The inhibition of monoamine uptake into rat brain synaptosomess by selected bicyclo-octanes and an analogous bicyclo-octene. Biochem Pharmacol 27(24):2907–9, 1978
ALKENES, pharmacodynamics/ ANIMAL/ ANTIDEPRESSIVE AGENTS, pharmacodynamics/ *BICYCLO COMPOUNDS, pharmacodynamics/ *BIOGENIC AMINES, metabolism/ BRAIN, drug effects/ *BRAIN, metabolism/ *BRIDGED COMPOUNDS, pharmacodynamics/ DOPAMINE, metabolism/ FEMALE/ IN VITRO/ NOREPINEPHRINE, metabolism/ OCTANES, pharmacodynamics/ RATS/ SEROTONIN, metabolism/ SYNAPTOSOMES, drug effects/ *SYNAPTOSOMES, metabolism

4170. **Weedon AP, Stacey TE, Ward RH, et al:** Bidirectional sodium fluxes across the placenta of conscious sheep. Am J Physiol 235(6):F536–41, Dec 78
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ FEMALE/ MATHEMATICS/ MEMBRANE POTENTIALS/ *PLACENTA, metabolism/ PLACENTA, physiology/ PREGNANCY/ *PREGNANCY, ANIMAL/ *SHEEP, metabolism/ *SODIUM, metabolism

4171. **Weeks JR:** The general pharmacology of prostacyclin PGI2, (PGX): a new prostaglandin especially active on the cardivascular system. Acta Biol Med Ger 37(5–6):707–14, 1976
ANIMAL/ BLOOD PRESSURE, drug effects/ CARDIOVASCULAR SYSTEM, drug effects/ *CARDIOVASCULAR SYSTEM, physiology/ FEMALE/ GASTRIC JUICE, drug effects/ GASTRIC JUICE, secretion/ GUINEA PIGS/ HAMSTERS/ HUMAN/ MENSTRUATION, drug effects/ MUSCLE CONTRACTION, drug effects/ PLATELET AGGREGATION, drug effects/ PREGNANCY/ PROGESTERONE, blood/ PROSTAGLANDINS E, pharmacodynamics/ *PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ SPECIES SPECIFICITY/ TRACHEA, drug effects/ TRACHEA, physiology

4172. **Wegener OH:** Die Computertomographie des Mediastinums. ROEFO 129(6):727–35, Dec 78 (Eng. Abstr.) **(Ger)**
AORTIC ANEURYSM, radiography/ AORTIC RUPTURE, radiography/ DYSGERMINOMA, radiography/ ENGLISH ABSTRACT/ HUMAN/ LYMPHOMA, radiography/ MEDIASTINAL CYST, radiography/ *MEDIASTINAL DISEASES, radiography/ MEDIASTINAL NEOPLASMS, radiography/ NEOPLASM METASTASIS/ NEURILEMMOMA, radiography/ PAROTID NEOPLASMS, radiography/ PERICARDIAL EFFUSION, radiography/ TERATOID TUMOR, radiography/ *TOMOGRAPHY, COMPUTERIZED AXIAL

4173. **Węgier A, Głąb S, Wróblewska I, et al:** Przejawy autoimmunizacji w chorobach tarczycy. Pol Tyg Lek 33(52):2011–3, 25 Dec 78 (30 ref.) **(Pol)**
*AUTOANTIBODIES, immunology/ AUTOANTIGENS, immunology/ GOITER, EXOPHTHALMIC, immunology/ HUMAN/ LONG-ACTING THYROID STIMULATOR, immunology/ REVIEW/ THYROGLOBULIN, immunology/ *THYROID DISEASES, immunology/ *THYROID GLAND, immunology/ THYROIDITIS, LYMPHOMATOUS, immunology

4174. **Wegmann TG, Singh B, Carlson GA:** Allogeneic placenta is a paternal strain antigen immunoabsorbent. J Immunol 122(1):270–4, Jan 79
ABSORPTION/ ANIMAL/ ANTIBODIES/ ANTIBODY SPECIFICITY/ FEMALE/ FETUS, surgery/ *H-2 ANTIGENS, immunology/ MALE/ MICE/ MICE, INBRED BALB C/ MICE, INBRED CBA/ MICE, INBRED C3H/ MICE, INBRED C57BL/ *PLACENTA, immunology/ PLACENTA, metabolism/ PREGNANCY

4175. **Wei JY, Genecin A, Greene HL, et al:** Coronary spasm with ventricular fibrillation during thyrotoxicosis: response to attaining euthyroid state. Am J Cardiol 43(2):335–9, Feb 79
CASE REPORT/ CORONARY DISEASE, diagnosis/ CORONARY DISEASE, drug therapy/ *CORONARY DISEASE, etiology/ CORONARY VESSELS, radiography/ ELECTROCARDIOGRAPHY/ FEMALE/ GLYCERYL TRINITRATE, diagnostic use/ GLYCERYL TRINITRATE, therapeutic use/ HUMAN/ *HYPERTHYROIDISM, complications/ MIDDLE AGE/ *SPASM, etiology/ VASOCONSTRICTION/ *VENTRICULAR FIBRILLATION, etiology

4176. **Wei LY:** Scientific advance in acupuncture. Am J Chin Med 7(1):53–75, Spring 78 (120 ref.)
*ACUPUNCTURE/ ACUPUNCTURE, methods/ ANIMAL/ BLOOD, physiology/ CENTRAL NERVOUS SYSTEM, physiology/ ENDORPHINS, physiology/ EVOKED POTENTIALS/ HUMAN/ LEUKOCYTE COUNT/ NEURAL TRANSMISSION/ PAIN, physiopathology/ PAIN, therapy/ RABBITS/ REVIEW

4177. **Weir B, MacDonald N, Mielke B:** Intracranial vascular complications of choriocarcinoma. Neurosurgery 2(2):138–42, Mar-Apr 78
ADOLESCENCE/ ADULT/ ANTINEOPLASTIC AGENTS, therapeutic use/ BRAIN NEOPLASMS, drug therapy/ BRAIN NEOPLASMS, radiotherapy/ *BRAIN NEOPLASMS, surgery/ CASE REPORT/ *CEREBRAL ANEURYSM, complications/ CEREBRAL ANGIOGRAPHY/ CEREBRAL HEMORRHAGE, complications/ CHORIOCARCINOMA, drug therapy/ CHORIOCARCINOMA, radiotherapy/ *CHORIOCARCINOMA, surgery/ FEMALE/ *FRONTAL LOBE, surgery/ HEART NEOPLASMS, complications/ HUMAN/ LUNG NEOPLASMS, complications/ NEOPLASM METASTASIS/ PREGNANCY/ *SELLA TURCICA/ *UTERINE NEOPLASMS, complications

4178. **Weir RJ:** When the pill causes a rise in blood pressure. Drugs 16(6):522–7, Dec 78
ANIMAL/ BLOOD PRESSURE, drug effects/ *CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ HUMAN/ *HYPERTENSION, chemically induced/ HYPERTENSION, drug therapy/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR/ PREGNANCY

4179. **Weisberg E:** Oral contraception in the adolescent. Aust Fam Physician 7 Spec No:32–6, Aug 78
*ADOLESCENCE/ ATTITUDE/ *CONTRACEPTIVES, ORAL/ CONTRACEPTIVES, ORAL, adverse effects/

COUNSELING/ FAMILY PLANNING/ FEMALE/ GASTROENTERITIS, chemically induced/ HUMAN/ PHYSICAL EXAMINATION/ TIME FACTORS

4180. **Weisfeld GE:** An ethological view of human adolescence. J Nerv Ment Dis 167(1):38–55, Jan 79
ADOLESCENCE/ *ADOLESCENT PSYCHOLOGY/ CHILD BEHAVIOR/ CROSS-CULTURAL COMPARISON/ *ETHOLOGY/ FEMALE/ HUMAN/ INDIVIDUATION/ MALE/ PARENT-CHILD RELATIONS/ PSYCHOSEXUAL DEVELOPMENT/ PUBERTY/ SEX BEHAVIOR/ SOCIAL BEHAVIOR/ UNITED STATES

4181. **Weiske R, Gelinsky P, Müller E, et al:** Praktische Erfahrungen mit dem TRH Kurztest in der Schilddrüsen-funktionsdiagnostik. Med Welt 30(4):123–30, 26 Jan 79 **(Ger)**
GOITER, EXOPHTHALMIC, diagnosis/ HYPERTHYROIDISM, diagnosis/ HYPOTHYROIDISM, diagnosis/ IN VITRO/ PROTEIN-BOUND IODINE TEST/ *THYROID DISEASES, diagnosis/ THYROID NEOPLASMS, radionuclide imaging/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ *THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

4182. **Weisman Y, Lum GM, Reiter EO, et al:** Serum concentrations of 24,25(OH)2D in uremic children: a reflection of renal function. J Pediatr 94(2):190–3, Feb 79
CHILD/ *DIHYDROXYCHOLECALCIFEROLS, blood/ HEMODIALYSIS/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, blood/ *KIDNEY, metabolism/ *UREMIA, blood/ UREMIA, therapy

4183. **Weiss HJ, Turitto VT:** Prostacyclin (prostaglandin I2, PGI2) inhibits platelet adhesion and thrombus formation on subendothelium. Blood 53(2):244–50, Feb 79
ANIMAL/ *AORTA/ *BLOOD COAGULATION/ ENDOTHELIUM/ HUMAN/ *PLATELET ADHESIVENESS/ PLATELET AGGREGATION/ *PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4184. **Weiss S, Bergland R, Page R, et al:** Pituitary cell transplants to the cerebral ventricles promote growth of hypophysectomized rats. Proc Soc Exp Biol Med 159(3):409–13, Dec 78
AGE FACTORS/ ANIMAL/ BODY COMPOSITION/ BRAIN, metabolism/ CASTRATION/ *CEREBRAL VENTRICLES, cytology/ GROWTH/ HYPOPHYSECTOMY/ MALE/ PITUITARY GLAND, ANTERIOR, cytology/ *PITUITARY GLAND, ANTERIOR, transplantation/ RATS/ SEX FACTORS/ SOMATOTROPIN, metabolism/ TRANSPLANTATION, ISOGENEIC

4185. **Weiss SJ, Putney JW Jr:** Does calcium mediate the increase in potassium permeability due to phenylephrine or angiotensin II in the liver? J Pharmacol Exp Ther 207(3):669–76, Dec 78
A-23187, pharmacodynamics/ *ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ CALCIUM, metabolism/ *CALCIUM, physiology/ CELL MEMBRANE PERMEABILITY, drug effects/ DRUG INTERACTIONS/ GUINEA PIGS/ IN VITRO/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ *PHENYLEPHRINE, pharmacodynamics/ *POTASSIUM, metabolism/ RADIOISOTOPES, diagnostic use/ RUBIDIUM, diagnostic use/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4186. **Weissel M, Stummvoll HK, Kolbe H, et al:** Basal and TRH-stimulated thyroid and pituitary hormones in various degrees of renal insufficiency. Acta Endocrinol (Copenh) 90(1):23–32, Jan 79
ADULT/ FEMALE/ HEMODIALYSIS/ HUMAN/ KIDNEY FAILURE, CHRONIC, blood/ *KIDNEY FAILURE, CHRONIC, physiopathology/ MALE/ MIDDLE AGE/ *PITUITARY GLAND, physiopathology/ *PITUITARY HORMONES, blood/ PROLACTIN, blood/ SOMATOTROPIN, blood/ *THYROID GLAND, physiopathology/ *THYROID HORMONES, blood/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, REVERSE, blood

4187. **Weissmann R:** Laser–Akupunktur--Keine Alternative zur klassischen Akupunktur. MMW 121(7):243–4, 16 Feb 79 **(Ger)**
*ACUPUNCTURE, standards/ HISTAMINE, blood/ HUMAN/ *LASERS/ MIGRAINE, therapy/ PHYSICAL STIMULATION/ SEROTONIN, metabolism

4188. **Weisz G, Basile F, Bini P, et al:** Il metodo di immunodiffusione radiale applicato al dosaggio dell'HPL serico. Minerva Ginecol 30(12):1085–8, Dec 78 (Eng. Abstr.) **(Ita)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ *GEL DIFFUSION TESTS/ HUMAN/ PLACENTAL LACTOGEN, analysis/ *PLACENTAL LACTOGEN, blood/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY

4189. **Weitkamp LR:** Equine markers genes. Polymorphism for group-specific component (Gc). Anim Blood Groups Biochem Genet 9(2):123–6, 1978
ALLELES/ ALPHA GLOBULINS, genetics/ ANIMAL/ *CARRIER PROTEINS, genetics/ COMPARATIVE STUDY/ FEMALE/ GENE FREQUENCY/ *GENES/ GLYCOPROTEINS, genetics/ HORSES/ PHENOTYPE/ *POLYMORPHISM (GENETICS)/ VITAMIN D, metabolism

4190. **Weitzman RE, Glatz TH:** Plasma oxytocin values [letter] Am J Obstet Gynecol 132(8):913–5, 15 Dec 78
FEMALE/ HUMAN/ *OXYTOCIN, blood/ OXYTOCIN, secretion/ PREGNANCY

4191. **Weitzman RE, Fisher DA:** Arginine vasopressin metabolism in dogs. I. Evidence for a receptor-mediated mechanism. Am J Physiol 235(6):E591–7, Dec 78
ANIMAL/ ARGIPRESSIN, immunology/ *ARGIPRESSIN, metabolism/ ARGIPRESSIN, pharmacodynamics/ CHROMATOGRAPHY, PAPER/ *DIURESIS, drug effects/ DOGS/ MALE/ METABOLIC CLEARANCE RATE/ RADIOIMMUNOASSAY/ *RECEPTORS, HORMONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ WATER, metabolism

4192. **Welch AB:** Antibiotics in acrylic bone cement. In vivo studies. J Biomed Mater Res 12(6):843–55, Nov 78
ANIMAL/ *ANTIBIOTICS, administration & dosage/ ANTIBIOTICS, metabolism/ ANTIBIOTICS, therapeutic use/ *BONE CEMENTS/ CEPHALOTHIN, administration & dosage/ DRUG IMPLANTS/ ESCHERICHIA COLI INFECTIONS, prevention & control/ GENTAMICINS, administration & dosage/ HYDROCORTISONE, pharmacodynamics/ MALE/ PSEUDOMONAS INFECTIONS, prevention & control/ RABBITS/ RATS/ STAPHYLOCOCCAL INFECTIONS, prevention & control/ *SURGICAL WOUND INFECTION, prevention & control/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4193. **Weller RE, Melcon D:** Malignant hypercalcemia in a dog with lymphosarcoma. Mod Vet Pract 59(12):901–3, Dec 78
ANIMAL/ CASE REPORT/ *DOG DISEASES/ DOG DISEASES, drug therapy/ DOG DISEASES, pathology/ DOGS/ FEMALE/ HYPERCALCEMIA, etiology/ HYPERCALCEMIA, pathology/ *HYPERCALCEMIA, veterinary/ *KIDNEY NEOPLASMS, veterinary/ LYMPHOSARCOMA, complications/ LYMPHOSARCOMA, pathology/ *LYMPHOSARCOMA, veterinary

4194. **Wen HL, Ng YH, Ho WK, et al:** Acupuncture in narcotic withdrawal: a preliminary report on biochemical changes in the blood and urine of heroin addicts. Bull Narc 30(2):31–9, Apr-Jun 78
*ACUPUNCTURE/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADOLESCENCE/ ADULT/ ALDOSTERONE, urine/ CATECHOLAMINES, urine/ CHOLINESTERASES, blood/ CLINICAL RESEARCH/ CORTICOTROPIN, blood/ DRUG WITHDRAWAL SYMPTOMS, metabolism/ *DRUG WITHDRAWAL SYMPTOMS, therapy/ FEMALE/ HEMOGLOBINS, metabolism/ *HEROIN ADDICTION, metabolism/ HUMAN/ HYDROCORTISONE, metabolism/

VANILMANDELIC ACID, urine

4195. **Wendelaar Bonga SE, Greven JA:** The relationship between prolactin cell activity, environmental calcium, and plasma calcium in the teleost Gasterosteus aculeatus. Observations on stanniectomized fish. Gen Comp Endocrinol 36(1):90–101, Sep 78
ANIMAL/ *CALCIUM, metabolism/ CELL NUMBER/ COMPARATIVE STUDY/ *ENDOCRINE GLANDS, physiology/ FEMALE/ *FISHES, physiology/ OSMOLAR CONCENTRATION/ PITUITARY GLAND, cytology/ *PROLACTIN, physiology/ SEAWATER/ SODIUM, blood/ SUBCELLULAR FRACTIONS

4196. **Wendelken JR, Tynes WV 2d, Ladaga LE, et al:** Malignant hypertension and renal artery stenosis in a child [clinical conference] J Urol 120(6):745–50, Dec 78
ADOLESCENCE/ ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, pathology/ ANESTHESIA, INHALATION/ CASE REPORT/ FEMALE/ HUMAN/ HYPERTENSION, MALIGNANT, diagnosis/ *HYPERTENSION, MALIGNANT, etiology/ HYPERTENSION, MALIGNANT, pathology/ HYPERTENSION, MALIGNANT, surgery/ PHEOCHROMOCYTOMA, complications/ PHEOCHROMOCYTOMA, pathology/ *RENAL ARTERY OBSTRUCTION, complications/ *RENAL ARTERY STENOSIS, complications/ RENAL ARTERY STENOSIS, diagnosis/ RENAL ARTERY STENOSIS, pathology/ RENAL ARTERY STENOSIS, surgery

4197. **Wendts R:** Vårdens anställda vet bäst vad man ska forska om. Vardfacket 3(2):14–5, 25 Jan 79 **(Swe)**
ANESTHESIA/ CONTRACEPTIVES, ORAL/ CRITICAL CARE/ EMOTIONS/ FEMALE/ HUMAN/ INFANT, NEWBORN/ LABOR/ MENTAL HEALTH SERVICES/ *NURSING CARE/ PREGNANCY/ *RESEARCH

4198. **Wenk RE, London R, Siegelbaum M, et al:** A prospective evaluation of placental lactogen as a test for neonatal risk. Am J Clin Pathol 71(1):72–4, Jan 79
FEMALE/ HUMAN/ *INFANT, NEWBORN/ *PLACENTAL LACTOGEN, analysis/ PREGNANCY COMPLICATIONS, metabolism/ PREGNANCY/ PROSPECTIVE STUDIES/ RISK

4199. **Wenneberg B, KOPP S:** Short term effect of intra-articular injections of a corticosteroid on temporomandibular joint pain and dysfunction. Swed Dent J 2(6):189–96, 1978
ADOLESCENCE/ ADULT/ AGED/ BETAMETHASONE, administration & dosage/ *BETAMETHASONE, therapeutic use/ CHEMISTRY/ DRUG EVALUATION/ FEMALE/ HUMAN/ INJECTIONS, INTRA-ARTICULAR/ MALE/ MIDDLE AGE/ *TEMPOROMANDIBULAR JOINT SYNDROME, drug therapy/ TEMPOROMANDIBULAR JOINT/ TIME FACTORS

4200. **Wennmalm A:** Effects of nicotine on cardiac prostaglandin and platelet thromboxane synthesis. Br J Pharmacol 64(4):559–63, Dec 78
ANIMAL/ ARACHIDONIC ACIDS, pharmacodynamics/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, metabolism/ IN VITRO/ MALE/ MUSCLE CONTRACTION, drug effects/ *MYOCARDIUM, metabolism/ *NICOTINE, pharmacodynamics/ *PROSTAGLANDINS, biosynthesis/ RABBITS/ *THROMBOXANES, biosynthesis

4201. **Wennmalm A:** Prostaglandin-mediated inhibition of noradrenaline release. VI. On the intra-cardiac source of prostaglandins released from isolated rabbit hearts. Acta Physiol Scand 105(2):254–6, Feb 79
ANIMAL/ ANOXIA, metabolism/ ARACHIDONIC ACIDS, pharmacodynamics/ FEMALE/ MALE/ MYOCARDIAL CONTRACTION, drug effects/ *MYOCARDIUM, metabolism/ *NOREPINEPHRINE, metabolism/ PERFUSION/ PROSTAGLANDINS, biosynthesis/ *PROSTAGLANDINS, metabolism/ RABBITS

4202. **Wenzel KW:** Der TRH-Test zur rationellen und rationalen Schilddrüsendiagnostik. Dtsch Med Wochenschr 104(7):229–34, 16 Feb 79 **(Ger)**
ADENOMA, diagnosis/ GOITER, diagnosis/ HUMAN/ HYPERTHYROIDISM, diagnosis/ *THYROID DISEASES, diagnosis/ THYROID FUNCTION TESTS, methods/ THYROID NEOPLASMS, diagnosis/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

4203. **Weringer EJ, Oldham SB, Bethune JE:** A proposed cellular mechanism for calcium transport in the intestinal epithelial cell. Calcif Tissue Res 26(1):71–9, 10 Nov 78
ANIMAL/ *CALCIUM, metabolism/ EPITHELIUM, metabolism/ HISTOLOGICAL TECHNICS/ *INTESTINAL ABSORPTION/ *INTESTINAL MUCOSA, metabolism/ INTESTINAL MUCOSA, ultrastructure/ MALE/ MODELS, BIOLOGICAL/ RATS

4204. **Werka T, Zieliński K:** Effects of lesions in the amygdaloid nucleus centralis on acquisition and retention of avoidance reflexes in cats. Acta Neurobiol Exp (Warsz) 38(5):247–69, 1978
*AMYGDALOID BODY, physiology/ ANIMAL/ *AVOIDANCE LEARNING, physiology/ BEHAVIOR, ANIMAL, physiology/ CATS/ CONDITIONING, OPERANT, physiology/ MALE/ *REFLEX, physiology

4205. **Werner B:** Röntgenologisch darstellbare Veränderungen der knorpligen Anteile des ersten Rippenpaares unter Berücksichtigung von Alter, Geschlecht und den knorpligen Anteilen der übrigen Rippen. Anat Anz 144(4):319–33, Sep 78 (Eng. Abstr.) **(Ger)**
ADOLESCENCE/ ADULT/ AGED/ AGING/ *CALCIFICATION, PHYSIOLOGIC/ *CARTILAGE, anatomy & histology/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ MALE/ MIDDLE AGE/ *RIBS, anatomy & histology/ RIBS, radiography

4206. **Werner-Zodrow I, Staub JJ:** 'Pille' und endokrine Erkrankungen. Gynaekol Rundsch 18(3–4):246–52, 1978 **(Ger)**
ADRENAL GLANDS, drug effects/ *CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ *ENDOCRINE DISEASES, chemically induced/ FEMALE/ HUMAN/ LIPIDS, metabolism/ PANCREAS, drug effects/ *PROGESTATIONAL HORMONES, SYNTHETIC, adverse effects/ PROTEINS, metabolism/ THYROID GLAND, drug effects

4207. **Wesley RK, Hoffman WH, Perrin J, et al:** Solitary maxillary central incisor and normal stature. Oral Surg 46(6):837–42, Dec 78
ABNORMALITIES, MULTIPLE/ *ANODONTIA, pathology/ *BODY HEIGHT/ CASE REPORT/ CHILD, PRESCHOOL/ DWARFISM, diagnosis/ FEMALE/ HUMAN/ *INCISOR, abnormalities/ MALE/ MAXILLA/ SOMATOTROPIN, blood/ *TOOTH, DECIDUOUS, abnormalities

4208. **Westall FC, Lennon VA, Gospodarowicz D:** Brain-derived fibroblast growth factor: identity with a fragment of the basic protein of myelin. Proc Natl Acad Sci USA 75(10):4675–8, Oct 78
AMINO ACID SEQUENCE/ ANIMAL/ *BRAIN CHEMISTRY/ CATTLE/ CROSS REACTIONS/ *ENCEPHALITOGENIC BASIC PROTEINS/ ENCEPHALITOGENIC BASIC PROTEINS, immunology/ ENCEPHALITOGENIC BASIC PROTEINS, pharmacodynamics/ FIBROBLASTS, drug effects/ *GROWTH SUBSTANCES/ GROWTH SUBSTANCES, immunology/ GROWTH SUBSTANCES, pharmacodynamics/ MITOGENS/ PITUITARY GLAND, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4209. **Wetterberg L:** Miljöberoende förändringar av melatonin och somatomedin B vid förflyttning Sverige–Kalifornien tur och retur. Lakartidningen 76(4):205, 24 Jan 79 **(Swe)**
CALIFORNIA/ CIRCADIAN RHYTHM/ HUMAN/ *MELATONIN, metabolism/ *SOMATOMEDIN, metabolism/ SWEDEN/ TRAVEL

4210. **Wetzel V, Schaumlöffel E, Jankowski RP:** In vitro sensitivity testing of cells of histologically typified ovarian carcinomas and carcinoma of corpus with 3H-cyclophosphamide-metabolites in the serum of man after massive dose therapy. Int J Clin Pharmacol Biopharm

16(12):600–6, Dec 78
*CARCINOMA, drug therapy/ CELLS, CULTURED/ CYCLOPHOSPHAMIDE, blood/ *CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ HUMAN/ *OVARIAN NEOPLASMS, drug therapy/ *UTERINE NEOPLASMS, drug therapy

4211. **Whelton PK, Russell RP, Harrington DP, et al:** Hypertension following renal transplantation. Causative factors and therapeutic inplications. JAMA 241(11):1128–31, 16 Mar 79
ADULT/ CADAVER/ FEMALE/ HUMAN/ HYPERTENSION, blood/ *HYPERTENSION, etiology/ HYPERTENSION, RENOVASCULAR, etiology/ IMMUNOSUPPRESSION/ *KIDNEY, transplantation/ MALE/ *POSTOPERATIVE COMPLICATIONS/ RENAL ARTERY STENOSIS, complications/ RENIN, blood/ TRANSPLANTATION, HOMOLOGOUS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4212. **Whitaker PM, Seeman P:** Selective labeling of serotonin receptors by d-[3H]lysergic acid diethylamide in calf caudate. Proc Natl Acad Sci USA 75(12):5783–7, Dec 78
ANIMAL/ BINDING, COMPETITIVE/ CATTLE/ *CAUDATE NUCLEUS, metabolism/ DOPAMINE, metabolism/ KINETICS/ *LYSERGIC ACID DIETHYLAMIDE, metabolism/ NEUROHUMORS, metabolism/ NOREPINEPHRINE, metabolism/ RECEPTORS, DOPAMINE, metabolism/ *RECEPTORS, SEROTONIN, metabolism/ SEROTONIN, metabolism

4213. **White N, Brown Z, Yachnin M:** Effects of catecholamine manipulations on three different self-stimulation behaviors. Pharmacol Biochem Behav 9(5):603–8, Nov 78
ANIMAL/ CATECHOLAMINES, metabolism/ *CATECHOLAMINES, physiology/ *DOPAMINE BETA-HYDROXYLASE, antagonists & inhibitors/ ELECTRIC STIMULATION/ HYPOTHALAMUS, anatomy & histology/ HYPOTHALAMUS, physiology/ MALE/ *PIMOZIDE, pharmacodynamics/ *PIPERAZINES, pharmacodynamics/ RATS/ *SELF STIMULATION, drug effects/ TIME FACTORS

4214. **White N, Major R:** Facilitation of retention by self-stimulation and by experimenter-administered stimulation. Can J Psychol 32(2):116–23, Jun 78
ANIMAL/ AROUSAL, physiology/ ELECTRIC STIMULATION/ *HYPOTHALAMUS, physiology/ MALE/ *MEMORY, physiology/ RATS/ REINFORCEMENT (PSYCHOLOGY), physiology/ *RETENTION (PSYCHOLOGY), physiology/ *SELF STIMULATION, physiology/ TIME FACTORS

4215. **Whitehead C, Bromage NR, Breton B, et al:** Effects of altered photoperiod on serum gonadotrophin levels and spawning in female rainbow trout [proceedings] J Endocrinol 79(2):29P–30P, Nov 78
ANIMAL/ FEMALE/ *GONADOTROPINS, blood/ *LIGHT/ PERIODICITY/ *REPRODUCTION/ *SALMONIDAE, physiology/ *TROUT, physiology

4216. **Whitehead MI, Campbell S, Dyer G, et al:** Progestogen modification of endometrial histology in menopasual women [letter] Br Med J 2(6152):1643–4, 9 Dec 78
ENDOMETRIAL HYPERPLASIA, chemically induced/ *ENDOMETRIAL HYPERPLASIA, prevention & control/ ESTROGENS, adverse effects/ FEMALE/ HUMAN/ *MENOPAUSE/ MIDDLE AGE/ *PROGESTATIONAL HORMONES, therapeutic use/ PROGESTATIONAL HORMONES, SYNTHETIC, therapeutic use

4217. **Whitehead MI, McQueen J, Minardi J, et al:** Clinical considerations in the management of the menopause: the endometrium. Postgrad Med J 54(2):69–73, 1978
ENDOMETRIAL HYPERPLASIA, chemically induced/ ENDOMETRIAL HYPERPLASIA, metabolism/ ESTROGENS, adverse effects/ ESTROGENS, metabolism/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ *MENOPAUSE, drug effects/ PATIENT ACCEPTANCE OF HEALTH CARE/ *PROGESTATIONAL HORMONES, SYNTHETIC, therapeutic use/ UTERINE HEMORRHAGE, chemically induced/ UTERINE HEMORRHAGE, metabolism

4218. **Whitfield CD, Buchsbaum B, Bostedor R, et al:** Inverse relationship between galactokinase activity and 2-deoxygalactose resistance in Chinese hamster ovary cells. Somatic Cell Genet 4(6):699–713, Nov 78
ANIMAL/ CELL LINE/ CLONE CELLS/ CRICETULUS/ *DRUG RESISTANCE/ FEMALE/ *FUCOSE, pharmacodynamics/ *GALACTOKINASE, genetics/ *GENES/ HAMSTERS/ OVARY/ PHENOTYPE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4219. **Whitsett JA, Johnson CL, Hawkins K:** Differences in localization of insulin receptors and adenylate cyclase in the human placenta. Am J Obstet Gynecol 133(2):204–7, 15 Jan 79
*ADENYL CYCLASE, metabolism/ CELL MEMBRANE, enzymology/ EPINEPHRINE, pharmacodynamics/ FEMALE/ FLUORIDES, pharmacodynamics/ HUMAN/ MATERNAL-FETAL EXCHANGE/ MICROVILLI, enzymology/ MICROVILLI, metabolism/ PLACENTA, enzymology/ *PLACENTA, metabolism/ PREGNANCY/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ *RECEPTORS, INSULIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4220. **Whittingham S:** Thyroid autoantibodies in the symptomless person [editorial] Med J Aust 2(11):516–7, 18 Nov 78
ANTIBODY FORMATION/ *AUTOANTIBODIES/ HUMAN/ THYROID DISEASES, immunology/ *THYROID GLAND, immunology

4221. **Whittle BJ, Mugridge KG, Moncada S:** Use of the rabbit transverse stomach-strip to identify and assay prostacyclin, PGA2, PGD2 and other prostaglandins. Eur J Pharmacol 53(2):167–72, 1 Jan 79
ANIMAL/ ARACHIDONIC ACIDS, pharmacodynamics/ BIOLOGICAL ASSAY/ PROSTAGLANDINS A, analysis/ PROSTAGLANDINS E, analysis/ PROSTAGLANDINS F, analysis/ PROSTAGLANDINS H, analysis/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, pharmacodynamics/ RABBITS/ *STOMACH, drug effects

4222. **Whittle BJ, Moncada S, Vane JR:** Some actions of prostacyclin (PGI2) on the cardiovascular system and the gastric microcirculation. Acta Biol Med Ger 37(5–6):725–8, 1976
ANIMAL/ BLOOD PRESSURE, drug effects/ COMPARATIVE STUDY/ DOGS/ GASTRIC MUCOSA, blood supply/ GASTRIC MUCOSA, drug effects/ HORSES/ HUMAN/ INDOMETHACIN, pharmacodynamics/ MICROCIRCULATION, drug effects/ *MICROCIRCULATION, physiology/ PLATELET AGGREGATION, drug effects/ PROSTAGLANDINS D, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ *PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ RATS/ REGIONAL BLOOD FLOW, drug effects/ SHEEP/ SPECIES SPECIFICITY/ *STOMACH, blood supply

4223. **Whitworth JA, Coghlan JP, Denton DA, et al:** Exaggerated natriuresis in ACTH hypertension in sheep. Nephron 22(4–6):473–8, 1978
*CORTICOTROPIN/ CORTICOTROPIN, pharmacodynamics/ FEMALE/ GLOMERULAR FILTRATION RATE, drug effects/ HUMAN/ HYPERTENSION, chemically induced/ *HYPERTENSION, physiopathology/ HYPERTENSION, urine/ KIDNEY, blood supply/ *NATRIURESIS, drug effects/ RATS/ REGIONAL BLOOD FLOW, drug effects/ SHEEP/ SODIUM CHLORIDE, diagnostic use

4224. **Whitworth NS, Grosvenor CE:** Transfer of milk prolactin to the plasma of neonatal rats by intestinal absorption. J Endocrinol 79(2):191–9, Nov 78
ANIMAL/ ANIMALS, NEWBORN, blood/ FEMALE/ *INTESTINAL ABSORPTION/ LACTATION/ *MILK, metabolism/ PREGNANCY/ PROLACTIN, blood/ *PROLACTIN, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4225. **Wibell L:** The serum level and urinary excretion of beta2-microglobulin in health and renal disease. Pathol Biol (Paris) 26(6):295–301, Sep 78
*BETA GLOBULINS, metabolism/ BETA 2

MICROGLOBULIN, analysis/ *BETA 2 MICROGLOBULIN, metabolism/ BETA 2 MICROGLOBULIN, urine/ FANCONI SYNDROME, metabolism/ GLOMERULAR FILTRATION RATE/ HUMAN/ *KIDNEY DISEASES, metabolism

4226. **Wicha MS, Liotta LA, Kidwell WR:** Effects of free fatty acids on the growth of normal and neoplastic rat mammary epithelial cells. Cancer Res 39(2 Pt 1):426–35, Feb 79
ANIMAL/ CELL DIVISION, drug effects/ COMPARATIVE STUDY/ EPITHELIUM, drug effects/ *FATTY ACIDS, NONESTERIFIED, pharmacodynamics/ FEMALE/ HORMONES, pharmacodynamics/ IN VITRO/ LIPIDS, metabolism/ *MAMMAE, drug effects/ MAMMAE, metabolism/ MAMMAE, ultrastructure/ *MAMMARY NEOPLASMS, EXPERIMENTAL, drug therapy/ MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ MAMMARY NEOPLASMS, EXPERIMENTAL, ultrastructure/ PERPHENAZINE, pharmacodynamics/ RATS/ THYMIDINE, metabolism

4227. **Wicken AJ, Knox KW:** Amphipathic antigens of oral microorganisms – immunogenicity and other biological properties. Adv Exp Med Biol 107:619–28, 1978
*ACTINOMYCES, immunology/ ADHESIVENESS/ ANIMAL/ *ANTIGENS, BACTERIAL/ BONE AND BONES, metabolism/ *ERYTHROCYTE MEMBRANE, metabolism/ *ERYTHROCYTES, metabolism/ HUMAN/ MOUTH MUCOSA, microbiology/ POLYSACCHARIDES, BACTERIAL, immunology/ RATS/ SHEEP/ SOLUBILITY/ STREPTOCOCCUS FAECALIS, physiology/ STRUCTURE-ACTIVITY RELATIONSHIP/ *TEICHOIC ACIDS, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4228. **Wiedemann HR:** An unidentified neonatal progeroid syndrome: follow-up report. Eur J Pediatr 130(1):65–70, 18 Jan 79
ADOLESCENCE/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ *INFANT, NEWBORN, DISEASES, diagnosis/ MALE/ NATAL TEETH/ *PROGERIA, congenital/ SYNDROME

4229. **Wiesmann W, Sinha S, Yates J, et al:** Cholinergic agents inhibit sodium transport across the isolated toad bladder. Am J Physiol 235(6):F564–9, Dec 78
ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ ATROPINE, pharmacodynamics/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ *BLADDER, metabolism/ BUFO MARINUS/ CARBACHOL, pharmacodynamics/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ IN VITRO/ LANTHANUM, pharmacodynamics/ *PARASYMPATHOMIMETICS, pharmacodynamics/ PENTOBARBITAL, pharmacodynamics/ *SODIUM, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4230. **Wiethölter H, Oehmichen M:** Liquorzytologische Fehldiagnose bei anisomorphem Pinealom (Germinom). Nervenarzt 49(12):726–9, Dec 78 **(Ger)**
ADOLESCENCE/ ADULT/ AUTOPSY/ *BRAIN NEOPLASMS, diagnosis/ BRAIN NEOPLASMS, pathology/ CASE REPORT/ CEREBROSPINAL FLUID, cytology/ CHILD/ CYTODIAGNOSIS/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MALE/ MENINGITIS, diagnosis/ MIDDLE AGE/ *PINEALOMA, diagnosis/ PINEALOMA, pathology

4231. **Wiggins JR, Bassett AL:** Sodium-dependence of sustained force in potassium contracture of cat ventricle. Experientia 34(12):1591–2, 15 Dec 78
ANIMAL/ CALCIUM, metabolism/ CATS/ IN VITRO/ MONENSIN, pharmacodynamics/ *MYOCARDIAL CONTRACTION, drug effects/ MYOCARDIUM, metabolism/ *POTASSIUM, pharmacodynamics/ SODIUM, metabolism/ *SODIUM, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4232. **Wiggins RC, Fuller GN:** Relative synthesis of myelin in different brain regions of postnatally undernourished rats. Brain Res 162(1):103–12, 16 Feb 79
ANIMAL/ ANIMALS, NEWBORN/ *BRAIN, metabolism/ CELL FRACTIONATION/ CEREBELLUM, metabolism/ CEREBRAL CORTEX, metabolism/ CORPUS STRIATUM, metabolism/ HIPPOCAMPUS, metabolism/ HYPOTHALAMUS, metabolism/ INTRACELLULAR MEMBRANES, metabolism/ LEUCINE, metabolism/ MEDULLA OBLONGATA, metabolism/ MESENCEPHALON, metabolism/ *MYELIN PROTEINS, biosynthesis/ RATS/ *STARVATION, metabolism/ TRITIUM/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4233. **Wiggins TL 3d, Tucciarone LM, Lanclos KD:** Effects of estradiol-17beta in the male Xenopus laevis: isolation and translation of cytoplasmic messenger RNA populations. Mol Cell Biochem 21(3):145–51, 16 Nov 78
ANIMAL/ CYTOPLASM, analysis/ EGG PROTEINS/ *ESTRADIOL, pharmacodynamics/ LIVER, analysis/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ OOCYTES/ RNA, isolation & purification/ *RNA, MESSENGER, isolation & purification/ RNA, MESSENGER, metabolism/ TRANSCRIPTION, GENETIC/ UNITED STATES GOV'T SUPPORTED/ VITELLOGENIN/ XENOPUS

4234. **Wikström M, Krab K:** Redox-linked proton pumps in mitochondria. pp. 128–39.
In: Schafer G, Klingenberg M, ed. Energy conservation in biological membranes. Berlin, Springer-Verlag, 1978. W3 MO87 29th 1978e.
CYTOCHROME OXIDASE, metabolism/ ELECTRON TRANSPORT/ *ENERGY METABOLISM/ *HYDROGEN, metabolism/ HYDROGEN-ION CONCENTRATION/ MEMBRANES, metabolism/ *MITOCHONDRIA, metabolism/ MODELS, BIOLOGICAL/ MONOGRAPH/ OXIDATION-REDUCTION/ *OXIDATIVE PHOSPHORYLATION/ PROTONS/ SUCCINATES, metabolism

4235. **Wilcox CS:** The effect of increasing the plasma magnesium concentration on renin release from the dog's kidney: interactions with calcium and sodium. J Physiol (Lond) 284:203–17, Nov 78
ANIMAL/ CALCIUM, blood/ CALCIUM, pharmacodynamics/ DOGS/ KIDNEY, drug effects/ *KIDNEY, secretion/ KIDNEY, transplantation/ *MAGNESIUM, blood/ MAGNESIUM, pharmacodynamics/ RENIN, blood/ *RENIN, secretion/ SECRETORY RATE, drug effects/ SODIUM, blood/ SODIUM, pharmacodynamics/ TRANSPLANTATION, AUTOLOGOUS

4236. **Wildmeister W:** Gut- und bösartige geschwülste der Schilddrüse. Diagnose und Therapie in der Praxis. ZFA (Stuttgart) 55(3):144–52, 31 Jan 79 **(Ger)**
ADENOMA, diagnosis/ ADULT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYPERTHYROIDISM, diagnosis/ MALE/ MIDDLE AGE/ PROGNOSIS/ RADICAL NECK DISSECTION/ *THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, surgery/ THYROIDECTOMY

4237. **Wiley HS, Wallace RA:** Three different molecular weight forms of the vitellogenin peptide from Xenopus laevis. Biochem Biophys Res Commun 85(1):153–9, 14 Nov 78
ANIMAL/ ESTROGENS, pharmacodynamics/ *LIPOPROTEINS, biosynthesis/ MOLECULAR WEIGHT/ PEPTIDES, blood/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VITELLOGENIN, biosynthesis/ XENOPUS

4238. **Wiley MH, Howton MM, Siperstein MD:** Sex differences in the sterol and nonsterol metabolism of mevalonate. J Biol Chem 254(3):837–42, 10 Feb 79
ACETATES, metabolism/ ACETOACETATES, metabolism/ ANIMAL/ CASTRATION/ ESTRADIOL, pharmacodynamics/ FEMALE/ *KIDNEY, metabolism/ MALE/ *MEVALONIC ACID, metabolism/ OXIDATION-REDUCTION/ RATS/ SEX FACTORS/ *STEROLS, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4239. **Wilkenfeld MJ, Sliwinski AJ:** Fatty lesions of both humeri in a patient on corticosteroids and cyclophosphamide. Arthritis Rheum 22(2):199–200, Feb 79
ADULT/ ARTHRITIS, RHEUMATOID, drug therapy/ BIOPSY/ *BONE DISEASES, chemically induced/ *BONE MARROW DISEASES, chemically induced/ BONE MARROW DISEASES, pathology/ BONE MARROW DISEASES, radiography/ CASE REPORT/ CYCLOPHOSPHAMIDE, administration &

dosage/ *CYCLOPHOSPHAMIDE, adverse effects/ CYCLOPHOSPHAMIDE, therapeutic use/ HUMAN/ *HUMERUS/ HUMERUS, drug effects/ HUMERUS, pathology/ HUMERUS, radiography/ MALE/ *OSTEOLYSIS, ESSENTIAL, chemically induced/ OSTEOLYSIS, ESSENTIAL, pathology/ OSTEOLYSIS, ESSENTIAL, radiography/ PREDNISONE, administration & dosage/ *PREDNISONE, adverse effects/ PREDNISONE, therapeutic use

4240. **Wilkie DM, McDonald AC:** Autoshaping in the rat with electrical stimulation of the brain as the US. Physiol Behav 21(3):325–8, Sep 78
AMYGDALOID BODY, physiology/ ANIMAL/ *BRAIN, physiology/ *CONDITIONING, CLASSICAL, physiology/ *CONDITIONING, OPERANT, physiology/ *ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ HYPOTHALAMUS, physiology/ OLFACTORY BULB, physiology/ RAPHE NUCLEI, physiology/ RATS/ SELF STIMULATION/ SUBSTANTIA NIGRA, physiology/ TRIGEMINAL NERVE, physiology

4241. **Wilkin TJ, Beck JS, Crooks J, et al:** Time and tides in Graves's disease: their implications in predicting outcome of treatment. Br Med J 1(6156):88–9, 13 Jan 79
CARBIMAZOLE, therapeutic use/ GOITER, EXOPHTHALMIC, drug therapy/ *GOITER, EXOPHTHALMIC, metabolism/ HUMAN/ IODINE, metabolism/ PERIODICITY/ PROGNOSIS/ TRIIODOTHYRONINE, therapeutic use

4242. **Wille LE, Førre O, Mathiesen PM, et al:** 'Non-secretory' plasma cell dyscrasia with normal serum immunoglobulins. Acta Med Scand 204(6):437–43, 1978
AGED/ B-LYMPHOCYTES, immunology/ BLOOD PROTEINS, analysis/ BONE AND BONES, radionuclide imaging/ BONE MARROW, ultrastructure/ *BONE NEOPLASMS, immunology/ BONE NEOPLASMS, radionuclide imaging/ BONE NEOPLASMS, ultrastructure/ CASE REPORT/ ELECTROPHORESIS, AGAR GEL/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ *IMMUNOGLOBULINS/ IMMUNOGLOBULINS, analysis/ IMMUNOGLOBULINS, urine/ LYMPHOCYTE TRANSFORMATION/ MALE/ MICROSCOPY, ELECTRON/ *MULTIPLE MYELOMA, immunology/ PHYTOHEMAGGLUTININS, pharmacodynamics/ PLASMA CELLS, ultrastructure/ ROSETTE FORMATION/ T-LYMPHOCYTES, immunology

4243. **Williams AJ, Fry CH:** Calcium–proton exchange in cardiac and liver mitochondria. FEBS Lett 97(2):288–92, 15 Jan 79
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ ETHYLMALEIMIDE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MITOCHONDRIA, HEART, drug effects/ *MITOCHONDRIA, HEART, metabolism/ MITOCHONDRIA, LIVER, drug effects/ *MITOCHONDRIA, LIVER, metabolism/ OXYGEN CONSUMPTION/ RABBITS/ ROTENONE, pharmacodynamics

4244. **Williams EA:** The surgery of developmental and congenital disorders in gynaecology. Clin Obstet Gynaecol 5(3):505–23, Dec 78
ANUS, abnormalities/ ANUS, surgery/ ANUS, IMPERFORATE, surgery/ BLADDER, abnormalities/ BLADDER, surgery/ ENDOCRINE DISEASES, congenital/ FEMALE/ *GENITALIA, FEMALE, abnormalities/ GONADS, abnormalities/ HUMAN/ MALE/ MULLERIAN DUCTS/ SEX REVERSAL, GONADAL/ URETER, abnormalities/ URETER, surgery/ UTERUS, abnormalities/ UTERUS, surgery/ VAGINA, abnormalities/ VAGINA, surgery

4245. **Williams G, Ghanadian R, Castro JE:** The growth and viability of human prostatic tissue maintained in immunosuppressed mice. Clin Oncol 4(4):347–51, Dec 78
ANIMAL/ HUMAN/ IMMUNOSUPPRESSION/ MALE/ MICE/ MICE, INBRED CBA/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, pathology/ PROSTATIC HYPERTROPHY, metabolism/ *PROSTATIC HYPERTROPHY, pathology/ PROSTATIC NEOPLASMS, metabolism/ *PROSTATIC NEOPLASMS, pathology/ TESTOSTERONE, metabolism/ TRANSPLANTATION, HETEROLOGOUS

4246. **Williams HB:** Facial bone changes with vascular tumors in children. Plast Reconstr Surg 63(3):309–16, Mar 79
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ *BONE DISEASES, etiology/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ EYELID NEOPLASMS, complications/ EYELID NEOPLASMS, drug therapy/ *FACIAL BONES, surgery/ *FACIAL NEOPLASMS, complications/ FACIAL NEOPLASMS, drug therapy/ FACIAL NEOPLASMS, surgery/ FEMALE/ *HEMANGIOMA, complications/ HEMANGIOMA, drug therapy/ HEMANGIOMA, surgery/ HUMAN/ INFANT/ INFANT, NEWBORN/ LYMPHANGIOMA, surgery/ MALE/ MANDIBULAR NEOPLASMS, surgery/ ORBITAL NEOPLASMS, complications/ ORBITAL NEOPLASMS, drug therapy

4247. **Williams TD:** Diseases of the optic nerve, tracts, and visual cortex: an annual review of the ophthalmic literature. Am J Optom Physiol Opt 55(9):652–9, Sep 78 (33 ref.)
ADOLESCENCE/ ADULT/ CHILD/ COLOR PERCEPTION/ CRYPTOCOCCOSIS, complications/ *EYE DISEASES/ EYE DISEASES, etiology/ EYE DISEASES, pathology/ FEMALE/ FLUORESCEIN ANGIOGRAPHY/ GLAUCOMA, pathology/ HUMAN/ HYPERPARATHYROIDISM, complications/ MALE/ MIDDLE AGE/ OPTIC DISK, pathology/ *OPTIC NERVE DISEASES/ OPTIC NERVE DISEASES, etiology/ OPTIC NERVE DISEASES, pathology/ PAPILLEDEMA, etiology/ PIGMENT EPITHELIUM OF EYE/ RETINAL DISEASES, pathology/ RETINAL VESSELS/ REVIEW/ *VISUAL CORTEX/ VISUAL CORTEX, pathology/ VISUAL FIELDS

4248. **Williamson BR, Carey RM, Innes DJ, et al:** Poorly differentiated lymphocytic lymphoma with ectopic parathormone production: visulization of metastatic calcification by bone scan. Clin Nucl Med 3(10):382–4, Oct 78
AGED/ *BONE NEOPLASMS, radionuclide imaging/ *CALCINOSIS, radionuclide imaging/ CASE REPORT/ FEMALE/ *HORMONES, ECTOPIC, secretion/ HUMAN/ HYPERCALCEMIA, etiology/ LIVER, radionuclide imaging/ *LYMPHOSARCOMA, secretion/ NEOPLASM METASTASIS/ *PARATHYROID HORMONE, secretion/ PYROPHOSPHATES, diagnostic use/ TECHNETIUM, diagnostic use

4249. **Wilmore DW, Aulick LH:** Metabolic changes in burned patients. Surg Clin North Am 58(6):1173–87, Dec 78
ANIMAL/ BODY TEMPERATURE/ BRAIN, physiology/ *BURNS, metabolism/ GLUCOSE, metabolism/ GRANULATION TISSUE, blood supply/ GRANULATION TISSUE, cytology/ *GRANULATION TISSUE, metabolism/ HORMONES, physiology/ HUMAN/ MALE/ NEUROHUMORS, physiology/ OXYGEN CONSUMPTION/ *WOUND HEALING

4250. **Wilmore DW, Aulick LH, Pruitt BA Jr:** Metabolism during the hypermetabolic phase of thermal injury. Adv Surg 12:193–225, 1978
BLOOD SUGAR, metabolism/ BODY TEMPERATURE REGULATION/ *BURNS, metabolism/ BURNS, physiopathology/ BURNS, therapy/ CENTRAL NERVOUS SYSTEM, physiopathology/ ENERGY TRANSFER/ HUMAN/ OXYGEN CONSUMPTION/ THYROID GLAND, physiopathology/ THYROTROPIN, metabolism/ WATER LOSS, INSENSIBLE

4251. **Wilson CA, Hadley JC, Gilbert D, et al:** Steroidal control of the release of the preovulatory surge of luteinizing hormone in the rat. J Endocrinol 79(2):223–34, Nov 78
ADRENALECTOMY/ ANIMAL/ CASTRATION/ FEMALE/ LH, blood/ *LH, secretion/ PROESTRUS/ PROGESTERONE, blood/ PROGESTERONE, pharmacodynamics/ RATS/ SECRETORY RATE, drug effects/ *STEROIDS, physiology/ TESTOSTERONE, pharmacodynamics

4252. **Wilson FA, Hoyumpa AM Jr:** Ethanol and small intestinal transport. Gastroenterology 76(2):388–403, Feb 79 (156 ref.)
ABDOMEN, blood supply/ ADENOSINE

CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM, metabolism/ *ALCOHOL, ETHYL, pharmacodynamics/ ALCOHOL, ETHYL, toxicity/ *ALCOHOLIC INTOXICATION, metabolism/ ALCOHOLIC INTOXICATION, physiopathology/ ANIMAL/ BILE, secretion/ CARBOHYDRATES, metabolism/ CELL MEMBRANE PERMEABILITY, drug effects/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, metabolism/ GASTRIC EMPTYING, drug effects/ GASTROINTESTINAL MOTILITY, drug effects/ HUMAN/ *INTESTINAL ABSORPTION, drug effects/ INTESTINAL MUCOSA, drug effects/ INTESTINAL MUCOSA, metabolism/ INTESTINAL MUCOSA, secretion/ *INTESTINES, drug effects/ INTESTINES, metabolism/ LIPIDS, metabolism/ LIVER, drug effects/ LYMPHATIC SYSTEM, drug effects/ MEMBRANE LIPIDS, metabolism/ MINERALS, metabolism/ PANCREAS, drug effects/ PANCREATIC JUICE, secretion/ REVIEW/ VITAMINS, metabolism/ WATER-ELECTROLYTE BALANCE, drug effects

4253. **Wilson JD, King DJ, Sheridan B:** Tranquillisers and plasma prolactin [letter] Br Med J 1(6156):123–4, 13 Jan 79
*DIAZEPAM, pharmacodynamics/ FEMALE/ HUMAN/ METOCLOPRAMIDE, pharmacodynamics/ *PROLACTIN, blood

4254. **Wilson KC, Weitzman RE, Fisher DA:** Arginine vasopressin metabolism in dogs. II. Modeling and system analysis. Am J Physiol 235(6):E598–605, Dec 78
ANIMAL/ *ARGIPRESSIN, metabolism/ DIURESIS, drug effects/ DOGS/ MALE/ MATHEMATICS/ *MODELS, BIOLOGICAL/ *RECEPTORS, HORMONE, metabolism/ SYSTEMS ANALYSIS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4255. **Wilson M, Hitchcock KR, DeLellis RA:** Immunohistochemical localization of thyroid hormone in rat thyroid gland. J Histochem Cytochem 26(12):1121–4, Dec 78
ANIMAL/ FEMALE/ *FLUORESCENT ANTIBODY TECHNIC/ MALE/ PARATHYROID GLANDS, analysis/ RATS/ *THYROID GLAND, analysis/ *THYROXINE, isolation & purification/ *TRIIODOTHYRONINE, isolation & purification/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4256. **Wilson PD:** A comparison of four methods of ripening the unfavourable cervix. Br J Obstet Gynaecol 85(12):941–4, Dec 78
ADMINISTRATION, ORAL/ *CERVIX UTERI, drug effects/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ FEMALE/ GELS/ HUMAN/ *OXYTOCIN, therapeutic use/ PREGNANCY/ PROSTAGLANDINS E, administration & dosage/ *PROSTAGLANDINS E, therapeutic use/ RANDOM ALLOCATION/ TABLETS

4257. **Wilson RS, Havener WH, McGrew RN:** Bilateral retinal artery and choriocapillaris occlusion following the injection of long-acting corticosteroid suspensions in combination with other drugs: I. Clinical studies. Ophthalmology (Rochester) 85(9):967–73, Sep 78
ADULT/ ANESTHESIA, GENERAL, adverse effects/ *BLINDNESS, chemically induced/ *CAPILLARIES, drug effects/ CASE REPORT/ *CHOROID, blood supply/ DELAYED-ACTION PREPARATIONS, adverse effects/ *EMBOLISM, chemically induced/ EMBOLISM, complications/ EPINEPHRINE, administration & dosage/ *EPINEPHRINE, adverse effects/ FEMALE/ HUMAN/ LIDOCAINE, administration & dosage/ *LIDOCAINE, adverse effects/ METHYLPREDNISOLONE, administration & dosage/ *METHYLPREDNISOLONE, adverse effects/ MIDDLE AGE/ PENICILLINS, administration & dosage/ *PENICILLINS, adverse effects/ *RETINAL ARTERY, drug effects/ SUSPENSIONS

4258. **Wilson RS, McGrew RN, White HJ:** Bilateral retinal artery and choriocapillaris occlusion following the injection of long-acting corticosteroid suspensions in combination with other drugs: II. Animal experimental studies. Ophthalmology (Rochester) 85(9):975–85, Sep 78
ANIMAL/ BETAMETHASONE, toxicity/ *CAPILLARIES, drug effects/ CAROTID ARTERIES/ *CHOROID, blood supply/ COMPARATIVE STUDY/ DELAYED-ACTION PREPARATIONS, adverse effects/ DEXAMETHASONE, toxicity/ DOGS/ *EMBOLISM, chemically induced/ EPINEPHRINE, administration & dosage/ *EPINEPHRINE, adverse effects/ INJECTIONS, INTRA-ARTERIAL/ LIDOCAINE, administration & dosage/ *LIDOCAINE, adverse effects/ METHYLPREDNISOLONE, administration & dosage/ *METHYLPREDNISOLONE, adverse effects/ PENICILLIN G, administration & dosage/ *PENICILLIN G, adverse effects/ *RETINAL ARTERY, drug effects/ SUSPENSIONS/ TRIAMCINOLONE, toxicity

4259. **Wilson T, Moustafa E, Renwick AG:** Isolation, characterization and distribution of adenosine 3':5'-cyclic monophosphate from Pinus radiata. Biochem J 175(3):931–6, 1 Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, isolation & purification/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ CHROMATOGRAPHY/ COUNTERCURRENT DISTRIBUTION/ *PLANTS, metabolism/ TISSUE DISTRIBUTION/ TREES

4260. **Wingen AM, Olischläger A, Kleihauer E:** Morbus Hodgkin als Zweiterkrankung bei akuter lymphatischer Leukämie. Klin Paediatr 191(1):1–7, Jan 79 (Eng. Abstr.) **(Ger)**
CASE REPORT/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ *HODGKIN'S DISEASE, complications/ HODGKIN'S DISEASE, pathology/ HODGKIN'S DISEASE, radiotherapy/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, complications/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ LYMPH NODES, pathology/ MERCAPTOPURINE, therapeutic use/ METHOTREXATE, therapeutic use/ METHYLPREDNISOLONE, therapeutic use/ NECK/ *NEOPLASMS, MULTIPLE PRIMARY/ REMISSION/ VINCRISTINE, therapeutic use

4261. **Wingrave SJ, Kay CR, Vessey MP:** Oral contraceptives and diabetes mellitus. Br Med J 1(6155):23, 6 Jan 79
*CONTRACEPTIVES, ORAL, adverse effects/ *DIABETES MELLITUS, chemically induced/ FEMALE/ HUMAN/ PROSPECTIVE STUDIES

4262. **Winter JS, Faiman C, Reyes FI, et al:** Gonadotrophins and steroid hormones in the blood and urine of prepubertal girls and other primates. Clin Endocrinol Metab 7(3):513–30, Nov 78 (74 ref.)
ADOLESCENCE/ ADULT/ ANIMAL/ CHILD/ CHILD, PRESCHOOL/ CHIMPANZEES/ ESTRADIOL, blood/ FEMALE/ FSH, blood/ GONADOTROPINS, PITUITARY, blood/ *GONADOTROPINS, PITUITARY, metabolism/ GONADOTROPINS, PITUITARY, urine/ HUMAN/ INFANT/ INFANT, NEWBORN/ LH, blood/ MALE/ MENARCHE/ MONKEYS/ *PRIMATES, physiology/ PROGESTERONE, blood/ *PUBERTY/ REVIEW/ SEX FACTORS/ SEX HORMONES, blood/ *SEX HORMONES, metabolism/ SEX HORMONES, urine

4263. **Winter R:** Die Rolle regressiver Veränderungen der Plazenta bei der sogenannten Plazentamigration. Geburtshilfe Frauenheilkd 38(12):1093–8, Dec 78 (Eng. Abstr.) **(Ger)**
ATROPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *PLACENTA DISORDERS, pathology/ PREGNANCY/ TIME FACTORS/ ULTRASONICS, diagnostic use

4264. **Wira CR, Sandoe CP:** Regulation by sex hormones of immunoglobulins in rat uterine and vaginal secretions. Adv Exp Med Biol 107:531–9, 1978
ANIMAL/ CASTRATION/ ESTRADIOL, pharmacodynamics/ *ESTRUS/ EXUDATES AND TRANSUDATES, immunology/ FEMALE/ HYDROCORTISONE, pharmacodynamics/ IGA, analysis/ IGG, analysis/ PROGESTERONE, pharmacodynamics/ RATS/ *SEX HORMONES, pharmacodynamics/ STANOLONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UTERUS, immunology/ *VAGINA, immunology

4265. **Wise BL:** Syndrome of inappropriate antidiuretic hormone secretion after spontaneous subarachnoid hemorrhage: a reversible cause of clinical deterioration. Neurosurgery 3(3):412–4, Nov–Dec 78
CASE REPORT/ *CEREBRAL ANEURYSM,

complications/ CEREBRAL ANEURYSM, surgery/ FEMALE/ HUMAN/ HYPONATREMIA, complications/ *INAPPROPRIATE ADH SYNDROME, etiology/ INAPPROPRIATE ADH SYNDROME, therapy/ MIDDLE AGE/ NEUROLOGIC MANIFESTATIONS/ *SUBARACHNOID HEMORRHAGE, complications/ SUBARACHNOID HEMORRHAGE, surgery

4266. **Wiseman A, Lim TK, Woods LF:** Regulation of the biosynthesis of cytochrome P-450 in brewer's yeast. Role of cyclic AMP. Biochim Biophys Acta 544(3):615-23, 18 Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *CYTOCHROME P-450, biosynthesis/ CYTOCHROMES, metabolism/ ENZYME REPRESSION, drug effects/ GLUCOSE, pharmacodynamics/ MITOCHONDRIA, metabolism/ *SACCHAROMYCES CEREVISIAE, metabolism

4267. **Wiseman RA:** Future reserch--potentially rewarding areas for investigation. Postgrad Med J 54(2):95-9, 1978
ESTROGENS, therapeutic use/ FEMALE/ FUTUROLOGY/ HUMAN/ *MENOPAUSE, drug effects/ PROGESTATIONAL HORMONES, therapeutic use/ *RESEARCH/ RISK

4268. **Wisniewski K, Howe J, Williams DG, et al:** Precocious aging and dementia in patients with Down's syndrome. Biol Psychiatry 13(5):619-27, Oct 78
ADOLESCENCE/ ADULT/ AFFECTIVE DISTURBANCES, complications/ AGE FACTORS/ AGED/ CHILD/ CHILD, PRESCHOOL/ *DEMENTIA, PRESENILE, complications/ *DOWN'S SYNDROME, complications/ FEMALE/ HUMAN/ INTELLIGENCE/ MALE/ MEMORY DISORDERS, complications/ MIDDLE AGE/ MOTOR SKILLS/ MUSCLE TONUS/ PERSONALITY/ *PROGERIA, complications/ REFLEX, ABNORMAL/ SOCIAL BEHAVIOR/ VISUAL PERCEPTION

4269. **Witassek F, Vetter H, Glänzer K, et al:** Einfluss einer oralen Natriumbelastung auf die Renin- und Aldosteronsekretion bei essentieller Hypertonie. Vergleich zu Normalpersonen. Verh Dtsch Ges Inn Med (84):795-7, 1978 **(Ger)**
ALDOSTERONE, secretion/ ALDOSTERONE, urine/ COMPARATIVE STUDY/ *HYPERTENSION, metabolism/ *RENIN, secretion/ *SODIUM, pharmacodynamics

4270. **Wittermann ER:** Tetanie und Hypoparathyreoidismus. Med Klin 74(8):247-56, 23 Feb 79 (37 ref.) **(Ger)**
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ HYPOCALCEMIA, diagnosis/ HYPOCALCEMIA, etiology/ *HYPOPARATHYROIDISM, diagnosis/ HYPOPARATHYROIDISM, etiology/ HYPOPARATHYROIDISM, therapy/ REVIEW/ *TETANY, diagnosis/ TETANY, etiology/ TETANY, therapy

4271. **Wittmann DH, Schassan HH, Seidel H:** Untersuchungen über die Bioverfügbarkeit von Cefuroxim im Knochen und im Wundsekret. Med Welt 30(6):227-32, 9 Feb 79 **(Ger)**
BIOLOGICAL AVAILABILITY/ BONE AND BONES, analysis/ CEPHALOSPORINS, blood/ CEPHALOSPORINS, metabolism/ *CEPHALOSPORINS, therapeutic use/ FURANS, blood/ FURANS, metabolism/ FURANS, therapeutic use/ OSTEOMYELITIS, prevention & control/ PROSTHESIS/ *SURGICAL WOUND INFECTION, prevention & control

4272. **Wlodawer P, Hammarström S:** Some properties of prostacyclin synthase from pig aorta. FEBS Lett 97(1):32-6, 1 Jan 79
ANIMAL/ *AORTA, enzymology/ MICROSOMES, enzymology/ MITOCHONDRIA, enzymology/ *MUSCLE, SMOOTH, enzymology/ *PROSTAGLANDINS X, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ PROTEIN DENATURATION/ SOLUBILITY/ SWINE/ THROMBOXANE SYNTHETASE, antagonists & inhibitors

4273. **Wolf PL, Griffiths JC, Erickson R:** The presence of serum creatine kinase 2 (MB) in acromegalic myopathy. Enzyme 23(6):413-5, 1978
ACROMEGALY, complications/ *ACROMEGALY, enzymology/ CASE REPORT/ *CREATINE KINASE, blood/ HUMAN/ *ISOENZYMES, blood/ MALE/ MIDDLE AGE/ MUSCULAR DISEASES, complications/ *MUSCULAR DISEASES, enzymology/ MYOCARDIAL DISEASES, enzymology

4274. **Wolf U:** Zum Mechanismus der Gonadendifferenzierung. Bull Schweiz Akad Med Wiss 34(4-6):357-68, Nov 78 (Eng. Abstr.) **(Ger)**
ENGLISH ABSTRACT/ FEMALE/ GONADS, embryology/ H-Y ANTIGEN/ HUMAN/ MALE/ RECEPTORS, HORMONE/ *SEX DIFFERENTIATION/ Y CHROMOSOME

4275. **Wolfe SA:** Orbital expansion. Clin Plast Surg 5(4):513-5, Oct 78
*EXOPHTHALMOS, surgery/ FEMALE/ HUMAN/ *ORBIT, surgery/ *SURGERY, PLASTIC, methods

4276. **Wolff E:** New trends in the problem of sex differentiation. Med Biol 56(6):403-6, Dec 78
ANIMAL/ CELLS, CULTURED/ CHICKENS/ FEMALE/ HUMAN/ HYDROXYSTEROID DEHYDROGENASES, metabolism/ MALE/ OVARY, embryology/ OVARY, metabolism/ PROTEINS, metabolism/ RADIOIMMUNOASSAY/ RECEPTORS, STEROID/ *SEX DIFFERENTIATION/ SEX HORMONES, metabolism/ TESTIS, embryology/ TESTIS, metabolism

4277. **Wolff J, Londos C, Cook GH:** Adenosine interactions with thyroid adenylate cyclase. Arch Biochem Biophys 191(1):161-8, Nov 78
*ADENOSINE, analogs & derivatives/ *ADENOSINE, pharmacodynamics/ *ADENYL CYCLASE, metabolism/ ANIMAL/ CATTLE/ CELL MEMBRANE, enzymology/ ENZYME ACTIVATION/ GUANYLYL IMIDODIPHOSPHATE, pharmacodynamics/ KINETICS/ MANGANESE, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ *THYROID GLAND, enzymology

4278. **Wong CH, Chen ST, Wang KT:** Enzymic synthesis of opioid peptides. Biochim Biophys Acta 576(1):247-9, 25 Jan 79
COMPARATIVE STUDY/ DICYCLOHEXYLCARBODIIMIDE/ *ENDORPHINS, biosynthesis/ ENDORPHINS, chemical synthesis/ *PAPAIN/ STRUCTURE-ACTIVITY RELATIONSHIP

4279. **Wong GL, Cohn DV:** The effect of parathormone on the synthesis of collagenous matrix by isolated bone cells. pp. 47-59.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.
ANIMAL/ BONE AND BONES, drug effects/ *BONE AND BONES, metabolism/ BONE AND BONES, ultrastructure/ *COLLAGEN, biosynthesis/ CULTURE MEDIA/ IN VITRO/ MICE/ MONOGRAPH/ *PARATHYROID HORMONE, pharmacodynamics/ PROLINE, metabolism

4280. **Wong SF, Mitchell MI, Robson V, et al:** Sodium and renin in the hypertension of early renal disease. Clin Sci Mol Med 55 Suppl 4:301s-303s, Dec 78
ADOLESCENCE/ ADULT/ AGED/ BLOOD PRESSURE, drug effects/ FEMALE/ HUMAN/ *HYPERTENSION, RENAL, blood/ MALE/ MIDDLE AGE/ *RENIN, blood/ SARALASIN, pharmacodynamics/ *SODIUM, blood

4281. **Wong TW, Straus FH, Jones TM, et al:** Pathological aspects of the infertile testis. Urol Clin North Am 5(3):503-30, Oct 78 (58 ref.)
ANDROGENS, secretion/ BIOPSY/ CRYPTORCHISM, pathology/ ESTROGENS, secretion/ GENITAL DISEASES, MALE, complications/ HUMAN/ HYPOGONADISM, complications/ KLINEFELTER'S SYNDROME, pathology/ MALE/ REVIEW/ SPERM MOTILITY/ SPERMATOGENESIS/ SPERMATOZOA, pathology/ STERILITY, MALE, etiology/ *STERILITY, MALE, pathology/ STERILITY, MALE, physiopathology/ TESTICULAR DISEASES, complications/ TESTICULAR DISEASES, pathology/ *TESTIS, pathology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VAS DEFERENS

4282. **Wood C:** Fetal scalp sampling: its place in management.

Semin Perinatol 2(2):169–79, Apr 78
ACIDOSIS/ ANOXEMIA, therapy/ APGAR SCORE/ BLOOD SPECIMEN COLLECTION/ DELIVERY/ ESTRIOL, blood/ FEMALE/ *FETAL BLOOD/ FETAL DISEASES/ *FETAL MONITORING/ FETUS, physiology/ HEART RATE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ LABOR COMPLICATIONS, therapy/ NORMAL VALUES/ POSTURE/ PREGNANCY/ RITODRINE, therapeutic use/ *SCALP/ SCALP, blood supply/ TIME FACTORS/ VEINS

4283. **Woodruff R, Roberts M:** Lymphoblastic transformation of Ph1-positive chronic myeloid leukaemia: therapeutic implications and relevance to haemopoietic stem cell theory. Aust NZ J Med 8(4):439–44, Aug 78
ADULT/ CHILD/ *CHROMOSOMES, HUMAN, 21–22/ DRUG THERAPY, COMBINATION/ HEMATOPOIESIS/ HUMAN/ IMMUNOLOGIC TECHNICS/ LEUKEMIA, MYELOCYTIC, diagnosis/ LEUKEMIA, MYELOCYTIC, drug therapy/ *LEUKEMIA, MYELOCYTIC, immunology/ *LYMPHOCYTE TRANSFORMATION/ MENINGEAL NEOPLASMS, immunology/ PREDNISOLONE, therapeutic use/ VINCRISTINE, therapeutic use

4284. **Woods HF, Weston MJ, Bunting S:** Haemodialysis without heparin. Proc Eur Dial Transplant Assoc 15:122–9, 1978
ANIMAL/ DOGS/ HEMODIALYSIS, adverse effects/ *HEMODIALYSIS, methods/ *HEPARIN, therapeutic use/ *PROSTAGLANDINS X, therapeutic use/ *PROSTAGLANDINS, therapeutic use/ THROMBOEMBOLISM, etiology/ *THROMBOEMBOLISM, prevention & control/ THROMBOPENIA, etiology/ THROMBOPENIA, prevention & control

4285. **Woods JR Jr, Brinkman CR 3d:** The jejunoileal bypass and pregnancy. Obstet Gynecol Surv 33(11):697–705, Nov 78 (29 ref.)
ADULT/ APGAR SCORE/ BIRTH WEIGHT/ BODY WEIGHT/ CALCIUM, metabolism/ CARBOHYDRATES, metabolism/ DIET/ FEMALE/ FERTILIZATION/ HUMAN/ *ILEUM, surgery/ INFANT, NEWBORN/ INTESTINE, SMALL, metabolism/ INTESTINE, SMALL, microbiology/ *JEJUNUM, surgery/ LIPIDS, metabolism/ LIVER, physiology/ OBESITY, therapy/ POSTOPERATIVE COMPLICATIONS, etiology/ *PREGNANCY/ REVIEW/ TIME FACTORS

4286. **Worley RJ, Everett RB, Madden JD, et al:** Fetal considerations. Metabolic clearance rate of maternal plasma dehydroisoandrosterone sulfate. Semin Perinatol 2(1):15–28, Jan 78 (37 ref.)
*DEHYDROEPIANDROSTERONE, blood/ DEHYDROEPIANDROSTERONE, metabolism/ DIURETICS, THIAZIDE, therapeutic use/ ESTRADIOL, biosynthesis/ FEMALE/ HUMAN/ HYPERTENSION, blood/ HYPERTENSION, etiology/ MATERNAL-FETAL EXCHANGE/ METABOLIC CLEARANCE RATE/ PLACENTA, blood supply/ PLACENTA, metabolism/ PLACENTAL FUNCTION TESTS/ PRE-ECLAMPSIA, blood/ PRE-ECLAMPSIA, drug therapy/ PRE-ECLAMPSIA, physiopathology/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, blood/ *PREGNANCY/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTERUS, blood supply

4287. **Wouda W, Gruys E, Elsinghorst TA:** Squamous metaplasia of renal tubular epithelium in a dog with a granulosa cell tumour. Zentralbl Veterinaermed [A] 25(6):499–502, Jul 78
ANIMAL/ *DOG DISEASES, pathology/ DOGS/ FEMALE/ GRANULOSA CELL TUMOR, pathology/ *GRANULOSA CELL TUMOR, veterinary/ METAPLASIA/ OVARIAN NEOPLASMS, pathology/ *OVARIAN NEOPLASMS, veterinary

4288. **Wovcha MG, Antosz FJ, Knight JC, et al:** Bioconversion of sitosterol to useful steroidal intermediates by mutants of Mycobacterium fortuitum. Biochim Biophys Acta 531(3):308–21, 22 Dec 78
ANDROSTADIENES, metabolism/ ANDROSTENEDIONE, analogs & derivatives/ ANDROSTENEDIONE, metabolism/ BIOTRANSFORMATION/ MUTATION/ MYCOBACTERIUM, genetics/ *MYCOBACTERIUM, metabolism/ *SITOSTEROLS, metabolism

4289. **Woźniak M:** The cumulative effect of halothane and steroids on mitochondrial respiration. Biochem Pharmacol 27(24):2959–61, 1978
ANIMAL/ DRUG SYNERGISM/ *HALOTHANE, pharmacodynamics/ IN VITRO/ *MITOCHONDRIA, drug effects/ MITOCHONDRIA, metabolism/ MITOCHONDRIA, LIVER, drug effects/ MITOCHONDRIA, LIVER, metabolism/ OXIDATION-REDUCTION, drug effects/ OXIDATIVE PHOSPHORYLATION, drug effects/ *OXYGEN CONSUMPTION, drug effects/ PREGNANOLONE, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ RATS/ *STEROIDS, pharmacodynamics

4290. **Wrange O:** A comparison of the glucocorticoid receptor in cytosol from rat liver and hippocampus. Biochim Biophys Acta 582(2):346–57, 18 Jan 79
ANIMAL/ COMPARATIVE STUDY/ CORTICOSTERONE, metabolism/ CYTOSOL, metabolism/ DEXAMETHASONE, metabolism/ *HIPPOCAMPUS, metabolism/ ISOELECTRIC FOCUSING/ *LIVER, metabolism/ MALE/ RATS/ RECEPTORS, GLUCOCORTICOID, analysis/ *RECEPTORS, GLUCOCORTICOID, metabolism/ *RECEPTORS, STEROID, metabolism/ TRYPSIN

4291. **Wrenn JM, Friedman MA:** Effects of chronic administration of delta8- and delta9-tetrahydro-cannabinol on hepatic tyrosine aminotransferase activity in mice. Arch Int Pharmacodyn Ther 235(1):4–8, Sep 78
ANIMAL/ FEMALE/ HYDROCORTISONE, pharmacodynamics/ LIVER, drug effects/ *LIVER, enzymology/ MICE/ *TETRAHYDROCANNABINOL, pharmacodynamics/ TIME FACTORS/ *TYROSINE AMINOTRANSFERASE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4292. **Wriedt WD, Schebitz H, Böhm D:** Zur Kastration des Hengstes. Berl Muench Tieraerztl Wochenschr 92(3):41–2, 1978 **(Ger)**
ANIMAL/ CASTRATION, methods/ *CASTRATION, veterinary/ *HORSES

4293. **Wright DE, Rodbell M:** Glucagon1–6 binds to the glucagon receptor and activates hepatic adenylate cyclase. J Biol Chem 254(2):268–9, 25 Jan 79
*ADENYL CYCLASE, metabolism/ ANIMAL/ ENZYME ACTIVATION/ *GLUCAGON, metabolism/ GLUCAGON, pharmacodynamics/ KINETICS/ LIVER, drug effects/ *LIVER, metabolism/ *OLIGOPEPTIDES, metabolism/ OLIGOPEPTIDES, pharmacodynamics/ RATS/ *RECEPTORS, HORMONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4294. **Wright FS, Giebisch G:** Renal potassium transport: contributions of individual nephron segments and populations. Am J Physiol 235(6):F515–27, Dec 78 (124 ref.)
ACID-BASE EQUILIBRIUM/ ALDOSTERONE, pharmacodynamics/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ BODY WATER, metabolism/ CHICKENS/ DOGS/ FROGS/ GLOMERULAR FILTRATION RATE/ HUMAN/ KIDNEY TUBULES, DISTAL, metabolism/ KIDNEY TUBULES, PROXIMAL, metabolism/ *KIDNEY, metabolism/ LOOP OF HENLE, metabolism/ *POTASSIUM, metabolism/ RABBITS/ RATS/ REVIEW/ SODIUM, metabolism

4295. **Wright GA, Spratto GR, Mennear JH:** The effects of selected barbituric acid analogues on glycemic responses in mice. Proc Soc Exp Biol Med 160(2):241–5, Feb 79
ADRENAL GLANDS, physiology/ ANIMAL/ BARBITURATES, administration & dosage/ *BARBITURATES, pharmacodynamics/ *BLOOD SUGAR, metabolism/ DIABETES MELLITUS, EXPERIMENTAL, etiology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HYPERGLYCEMIA, chemically induced/ INSULIN, secretion/ MALE/ MICE/ STRUCTURE-ACTIVITY RELATIONSHIP/ THIOBARBITURATES, administration & dosage/ THIOBARBITURATES, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4296. **Wright GL, Knecht E, Badger D, et al:** Oxygen consumption

in the spontaneously hypertensive rat.
Proc Soc Exp Biol Med 159(3):449–52, Dec 78
ANIMAL/ BODY TEMPERATURE, drug effects/ COLD/ HEAT/ *HYPERTENSION, metabolism/ MALE/ *OXYGEN CONSUMPTION/ OXYGEN CONSUMPTION, drug effects/ PROPRANOLOL, pharmacodynamics/ RATS/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

4297. **Wrobel KH, Sinowatz F, Kugler P:** Zur funktionellen Morphologie des Rete testis, der Tubuli recti und der Terminalsegmente der Tubuli seminiferi des geschlechtsreifen Rindes. Anat Histol Embryol 7(4):320–35, Dec 78 (Eng. Abstr.) **(Ger)**
ANIMAL/ *CATTLE, anatomy & histology/ ENGLISH ABSTRACT/ HISTOCYTOCHEMISTRY/ MALE/ *RETE TESTIS, anatomy & histology/ SEMINIFEROUS EPITHELIUM, cytology/ *SEMINIFEROUS TUBULES, anatomy & histology/ *TESTIS, anatomy & histology

4298. **Wu CH:** Monitoring of ovulation induction. Fertil Steril 30(6):617–30, Dec 78
CERVIX MUCUS/ CLOMIPHENE, administration & dosage/ CLOMIPHENE, pharmacodynamics/ CLOMIPHENE, therapeutic use/ ESTRADIOL, blood/ ESTROGENS, blood/ ESTROGENS, urine/ FEMALE/ FSH, blood/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ LH, blood/ MENOTROPINS, administration & dosage/ MENOTROPINS, pharmacodynamics/ MENOTROPINS, therapeutic use/ MENSTRUATION/ *MONITORING, PHYSIOLOGIC/ *OVULATION INDUCTION/ PROGESTERONE, blood

4299. **Wulf HC, Hart J:** Distribution of tritium-labelled 8-methoxypsoralen in the rat, studied by whole body autoradiography. Acta Derm Venereol (Stockh) 59(2):97–103, 1979
ADMINISTRATION, ORAL/ ADRENAL GLANDS, metabolism/ ANIMAL/ AUTORADIOGRAPHY/ EYE, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ MALE/ METHOXSALEN, administration & dosage/ *METHOXSALEN, metabolism/ RATS/ SKIN, metabolism/ TISSUE DISTRIBUTION/ TRITIUM

4300. **Wuttke H, Schlieter D, Krück F:** Die endokrine Orbitopathie bei diffuser Hyperthyreose unter thyreostatischer Therapie. Klin Wochenschr 57(2):69–74, 15 Jan 79 (Eng. Abstr.) **(Ger)**
ENGLISH ABSTRACT/ FEMALE/ GOITER, EXOPHTHALMIC, blood/ GOITER, EXOPHTHALMIC, drug therapy/ *GOITER, EXOPHTHALMIC, etiology/ HUMAN/ *HYPERTHYROIDISM, drug therapy/ MALE/ *THYROID ANTAGONISTS, therapeutic use/ THYROID HORMONES, physiology/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

4301. **Wuttke H, Schlieter D, Stukenberg J:** Zur klinischen Bedeutung der Serum-Magnesiumkonzentration bei der Hyperthyreose. Verh Dtsch Ges Inn Med (84):1422–5, 1978 **(Ger)**
HUMAN/ *HYPERTHYROIDISM, metabolism/ *MAGNESIUM, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

4302. **Wuytack F, Landon E, Fleischer S, et al:** The heterogeneity of, and Ca accumulation by the microsomal fraction isolated from the pig coronary artery [proceedings]
Arch Int Physiol Biochim 86(3):705–6, Aug 78
ANIMAL/ *CALCIUM, metabolism/ CELL FRACTIONATION/ *CORONARY VESSELS, metabolism/ *MICROSOMES, metabolism/ MICROSOMES, ultrastructure/ OXALATES, pharmacodynamics/ SWINE

4303. **Wyrzykowski Z, Wyrzykowska K:** Portal circulatory system of hypophysis in swine. Folia Morphol (Warsz) 37(4):335–46, 1978
ANIMAL/ *BLOOD VESSELS, anatomy & histology/ FEMALE/ MALE/ *PITUITARY GLAND, blood supply/ *SWINE, anatomy & histology

4304. **Wysocki H, Wierusz-Wysocka B, Fenrych W, et al:** Zachowanie się aktywności lizozymu (LZM) i nienasyconej zdolności wiązania witaminy B12 (NZW wit. B12) w surowicy pod wpływem prednisonu u chorych z aplazją szpiku z pancytopenią. Acta Haematol Pol 9(4):231–6, Oct-Dec 78 (Eng. Abstr.) **(Pol)**
ADULT/ AGED/ *ANEMIA, APLASTIC, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *MURAMIDASE, blood/ *PANCYTOPENIA, drug therapy/ *PREDNISONE, pharmacodynamics/ PREDNISONE, therapeutic use/ *VITAMIN B 12, blood

Y

4305. **Yamaguchi Y, Nawata Y, Kato N:** [Remarkable effects of adrenal cortex hormone in Sjögren's syndrome]
Nippon Rinsho 36(11):3667–9, 10 Nov 78 **(Jpn)**
CASE REPORT/ FEMALE/ HUMAN/ MIDDLE AGE/ *PREDNISOLONE, therapeutic use/ *SJOGREN'S SYNDROME, drug therapy

4306. **Yamamoto I:** [Clinical evaluation of bone scintigraphy with 99mTc-labeled phosphate compounds. (II). Primary bone tumor and tumor-like lesion (author's transl)] Kaku Igaku 15(7):969–79, Oct 78 (Eng. Abstr.) **(Jpn)**
ADULT/ AGED/ *BONE AND BONES, radionuclide imaging/ *BONE NEOPLASMS, radionuclide imaging/ CHONDROSARCOMA, radionuclide imaging/ DRUG EVALUATION/ ENGLISH ABSTRACT/ HUMAN/ MIDDLE AGE/ MULTIPLE MYELOMA, radionuclide imaging/ PHOSPHATES, diagnostic use/ SARCOMA, OSTEOGENIC, radionuclide imaging/ *TECHNETIUM, diagnostic use

4307. **Yamamoto M, Saito S, Kaise K, et al:** Changes in thyroid hormones by treatment with aspirin and prednisolone in subacute thyroiditis with hyperthyroidism.
Tohoku J Exp Med 127(1):85–95, Jan 79
ADULT/ *ASPIRIN, therapeutic use/ BLOOD SEDIMENTATION/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, drug therapy/ MALE/ MIDDLE AGE/ *PREDNISOLONE, therapeutic use/ *THYROIDITIS, blood/ THYROIDITIS, complications/ THYROIDITIS, drug therapy/ *THYROTROPIN, blood/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood

4308. **Yamamura K, Takahashi K:** [The effects of intermittent noises on man (author's transl)] Nippon Eiseigaku Zasshi 33(3):521–7, Aug 78 (Eng. Abstr.) **(Jpn)**
ADULT/ ENGLISH ABSTRACT/ ENVIRONMENTAL EXPOSURE/ *HEARING LOSS, NOISE-INDUCED/ HUMAN/ *HYDROCORTISONE, analysis/ MALE/ *NOISE, adverse effects/ *SALIVA, analysis/ TIME FACTORS

4309. **Yamashita A, Miyamoto M, Hattori Y, et al:** Collaborative role of macrophages in interactions between parental and F1 hybrid strain lymphocytes. Transplantation 26(6):426–9, Dec 78
ANIMAL/ CORTISONE, pharmacodynamics/ GENOTYPE/ GRAFT VS HOST REACTION/ *HYBRIDIZATION/ LYMPH NODES, immunology/ *LYMPHOCYTES, immunology/ *MACROPHAGES, immunology/ MALE/ RATS/ THYMUS GLAND, immunology

4310. **Yamashita J, Handa H, Munemitsu H, et al:** [Bilateral basal ganglia calcification following radiation therapy for brain tumors (author's transl)] Neurol Med Chir (Tokyo) 18(11 Pt 2):851–6, Dec 78 (Eng. Abstr.) **(Jpn)**
ADOLESCENCE/ *BASAL GANGLIA DISEASES, radiography/ *BRAIN NEOPLASMS, radiotherapy/ *CALCINOSIS, radiography/ CASE REPORT/ CRANIOPHARYNGIOMA, radiotherapy/ DYSGERMINOMA, radiotherapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MEDULLOBLASTOMA, radiotherapy/ *RADIATION INJURIES, radiography

4311. **Yamashita K, Shimizu T, Mieno M, et al:** Effects of exogenous acetylcholine upon adrenal 17-hydroxycorticosteroid secretion of intact and head X-irradiated dogs.
Neuroendocrinology 27(1-2):39–45, 1978
*ACETYLCHOLINE, pharmacodynamics/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ADRENAL GLANDS, radiation effects/ ANIMAL/ DOGS/ *HEAD, radiation

effects/ HYPOPHYSECTOMY/ *17-HYDROXYCORTICOSTEROIDS, metabolism

4312. **Yamauchi T, Fujisawa H:** In vitro phosphorylation of bovine adrenal tyrosine hydroxylase by adenosine 3':5'-monophosphate-dependent protein kinase. J Biol Chem 254(2):503-7, 25 Jan 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *ADRENAL MEDULLA, enzymology/ ANIMAL/ CATTLE/ ENZYME ACTIVATION/ KINETICS/ PHOSPHORYLATION/ *PROTEIN KINASE, metabolism/ *TYROSINE HYDROXYLASE, metabolism

4313. **Yanagishita M, Rodbard D, Hascall VC:** Isolation and characterization of proteoglycans from porcine ovarian follicular fluid. J Biol Chem 254(3):911-20, 10 Feb 79
AMINO ACIDS, analysis/ ANIMAL/ CARBOHYDRATES, analysis/ CHROMATOGRAPHY, GEL/ FEMALE/ *GRAAFIAN FOLLICLE, analysis/ *PROTEOGLYCANS/ PROTEOGLYCANS, isolation & purification/ SWINE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4314. **Yang SY, Levine LS, Zachmann M, et al:** Mapping of the 21-hydroxylase deficiency gene within the HLA linkage group. Transplant Proc 10(4):753-5, Dec 78
ADRENAL GLAND HYPERFUNCTION, familial & genetic/ *CHROMOSOME MAPPING/ HUMAN/ *HYDROXYLASES, deficiency/ HYDROXYLASES, genetics/ *HL-A ANTIGENS, genetics/ *LINKAGE (GENETICS)/ RECOMBINATION, GENETIC/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4315. **Yaron M, Yaron I, Wiletzki C, et al:** Interrelationship between stimulation of prostaglandin E and hyaluronate production by poly (I) . poly (C) and interferon in synovial fibroblast culture. Arthritis Rheum 21(6):694-8, Jul-Aug 78
ASPIRIN, pharmacodynamics/ CELLS, CULTURED/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FIBROBLASTS, drug effects/ FIBROBLASTS, metabolism/ HUMAN/ *HYALURONIC ACID, biosynthesis/ HYDROCORTISONE, pharmacodynamics/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ *INTERFERON, pharmacodynamics/ *POLY I-C, pharmacodynamics/ *PROSTAGLANDINS E, biosynthesis/ STIMULATION, CHEMICAL/ SYNOVIAL MEMBRANE, drug effects/ *SYNOVIAL MEMBRANE, metabolism/ TIME FACTORS

4316. **Yase Y:** The basic process of amyotrophic lateral sclerosis as reflected in Kii peninsula and Guam. pp. 413-27. In: den Hartog Jager, WA, et al., ed. Neurology. Amsterdam, Excerpta Medica, 1978. W3 EX89 no.434 1978.
ALUMINUM, analysis/ *AMYOTROPHIC LATERAL SCLEROSIS, etiology/ AMYOTROPHIC LATERAL SCLEROSIS, metabolism/ AMYOTROPHIC LATERAL SCLEROSIS, occurrence/ ANIMAL/ CALCIUM, analysis/ CATTLE/ CENTRAL NERVOUS SYSTEM, analysis/ GUAM/ HUMAN/ JAPAN/ KIDNEY, analysis/ MANGANESE, analysis/ PARATHYROID GLANDS, analysis/ PARATHYROID HORMONE, analysis/ PLANTS, analysis/ SOIL, analysis/ SPINAL CORD, analysis/ WATER, analysis

4317. **Yasuda N, Greer SE:** Conversion of high molecular weight CRF (corticotropin-releasing factor) or PRF (prolactin-releasing factor) into lower molecular weight forms by boiling at low pH. Biochem Biophys Res Commun 85(4):1291-8, 29 Dec 78
ANIMAL/ CATTLE/ *CORTICOTROPIN RELEASING HORMONE/ CORTICOTROPIN RELEASING HORMONE, pharmacodynamics/ CORTICOTROPIN, secretion/ HEAT/ HYDROGEN-ION CONCENTRATION/ MOLECULAR WEIGHT/ PITUITARY GLAND, ANTERIOR, drug effects/ PITUITARY GLAND, ANTERIOR, secretion/ PITUITARY GLAND, POSTERIOR, analysis/ *PROLACTIN RELEASING HORMONE/ PROLACTIN RELEASING HORMONE, pharmacodynamics/ PROLACTIN, secretion/ RATS/ TISSUE EXTRACTS, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4318. **Yazawa M, Kuwayama H, Yagi K:** Modulator protein as a Ca2+-dependent activator of rabbit skeletal myosin light-chain kinase. Purification and characterization. J Biochem (Tokyo) 84(5):1253-8, Nov 78
AMINO ACIDS, analysis/ ANIMAL/ CALCIUM, metabolism/ *CALCIUM-DEPENDENT REGULATOR, pharmacodynamics/ *CARRIER PROTEINS, pharmacodynamics/ MAGNESIUM, pharmacodynamics/ MOLECULAR WEIGHT/ MUSCLE PROTEINS, isolation & purification/ *MUSCLE PROTEINS, metabolism/ *MUSCLES, enzymology/ MYOSIN/ PEPTIDE FRAGMENTS/ PROTEIN BINDING/ PROTEIN CONFORMATION/ *PROTEIN KINASE, metabolism/ RABBITS

4319. **Yeh H, Price RI., Lonsdale D:** Cerebral gigantism (Sotos' syndrome) and cataracts. j Pediatr Opthalmol Strabismus 15(4):231-2, Jul-Aug 78
AGE DETERMINATION BY SKELETON/ BODY WEIGHT/ CASE REPORT/ *CATARACT, complications/ CHILD, PRESCHOOL/ FEMALE/ *GIGANTISM, complications/ HUMAN/ PREGNANCY TOXEMIAS, complications/ *SKULL, abnormalities/ SYNDROME

4320. **Yen TT, Allan JA, Pearson DV, et al:** Control of obesity in Avy/a mice by 5alpha-androstan-17-one. Experientia 34(12):1542-3, 15 Dec 78
*ANDROSTANES, pharmacodynamics/ ANIMAL/ FEMALE/ *GLUCOSEPHOSPHATE DEHYDROGENASE, antagonists & inhibitors/ LIVER, drug effects/ LIVER, metabolism/ MALE/ MICE/ MICE, INBRED A/ OBESITY, familial & genetic/ OBESITY, metabolism/ *OBESITY, prevention & control/ TRIGLYCERIDES, biosynthesis/ 17-KETOSTEROIDS, pharmacodynamics

4321. **Yesberg NE, Henderson M, Budtz-Olsen OE:** The effect of intravenous hypertonic saline infusion on renal function and vasopressin excretion in sheep. Q J Exp Physiol 63(4):331-9, Oct 78
ANIMAL/ FEMALE/ GLOMERULAR FILTRATION RATE/ INFUSIONS, PARENTERAL/ *KIDNEY, physiology/ OSMOLAR CONCENTRATION/ POTASSIUM, blood/ POTASSIUM, urine/ *SALINE SOLUTION, HYPERTONIC, pharmacodynamics/ *SHEEP, physiology/ *SODIUM CHLORIDE, pharmacodynamics/ SODIUM, blood/ SODIUM, urine/ URINE, physiology/ *VASOPRESSINS, urine

4322. **Yim GK, Holsapple MP, Pfister WR, et al:** Prostaglandin synthesis inhibited by formamidine pesticides. Life Sci 23(25):2509-15, 18 Dec 78
*AMIDINES, pharmacodynamics/ ANALGESICS, ANTI-INFLAMMATORY/ ANIMAL/ ASPIRIN, pharmacodynamics/ CATTLE/ CHLORPHENAMIDINE, pharmacodynamics/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ *INSECTICIDES, pharmacodynamics/ MALE/ MICROSOMES, drug effects/ MICROSOMES, metabolism/ PROSTAGLANDINS E, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ RATS/ SEMINAL VESICLES, drug effects/ SEMINAL VESICLES, metabolism/ *TOLUIDINES, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED

4323. **Yip MY, Dhaliwal SS, Yong HS:** Some enzyme polymorphisms in Malaysian mothers and their newborn. Hum Hered 29(1):5-9, 1979
ACID PHOSPHATASE, blood/ *ACID PHOSPHATASE, genetics/ ADENOSINE DEAMINASE, blood/ *ADENOSINE DEAMINASE, genetics/ CHINA, ethnology/ ERYTHROCYTES, enzymology/ FEMALE/ FETAL BLOOD, enzymology/ *GENE FREQUENCY/ HUMAN/ INDIA, ethnology/ INFANT, NEWBORN/ MALAYSIA/ *NUCLEOSIDE DEAMINASES, genetics/ PHOSPHOGLUCOMUTASE, blood/ *PHOSPHOGLUCOMUTASE, genetics/ PHOSPHOGLUCONATE DEHYDROGENASE, blood/ *PHOSPHOGLUCONATE DEHYDROGENASE, genetics/ PLACENTA, enzymology/ *POLYMORPHISM (GENETICS)/ PREGNANCY

4324. **Ylikorkala O, Viinikka L:** Pituitary and ovarian function in women with congenitally absent uterus. Obstet Gynecol 53(1):137-9, Jan 79
ADOLESCENCE/ ADULT/ ESTRADIOL, blood/

FEMALE/ FSH, blood/ HUMAN/ LH, blood/ LH-FSH RELEASING HORMONE, diagnostic use/ *OVARY, physiopathology/ *PITUITARY GLAND, physiopathology/ PROGESTERONE, blood/ PROLACTIN, blood/ RADIOIMMUNOASSAY/ TESTOSTERONE, blood/ THYROTROPIN RELEASING HORMONE, diagnostic use/ *UTERUS, abnormalities/ VAGINA, abnormalities

4325. **Ylitalo P, Pitkäjärvi T, Metsä-Ketelä T, et al:** The effect of inhibition of prostaglandin synthesis on plasma renin activity and blood pressure in essential hypertension.
Prostaglandins Med 1(6):479–88, Dec 78
ADULT/ *BLOOD PRESSURE, drug effects/ ELECTROLYTES, urine/ FEMALE/ HUMAN/ HYPERTENSION, metabolism/ *HYPERTENSION, physiopathology/ INDOMETHACIN, pharmacodynamics/ MALE/ MIDDLE AGE/ PROSTAGLANDINS F, urine/ *PROSTAGLANDINS, biosynthesis/ *RENIN, blood/ TIME FACTORS

4326. **Yokobayashi T, Nakajima T:** Chemotherapy in the treatment of osteogenic sarcoma of the maxilla (case report).
J Maxillofac Surg 6(4):273–6, Nov 78
ALKALINE PHOSPHATASE, blood/ *BLEOMYCIN, therapeutic use/ CASE REPORT/ *CYCLOPHOSPHAMIDE, therapeutic use/ DOXORUBICIN, therapeutic use/ FEMALE/ HUMAN/ *MAXILLARY NEOPLASMS, drug therapy/ MAXILLARY NEOPLASMS, enzymology/ *MERCAPTOPURINE, therapeutic use/ MIDDLE AGE/ MITOMYCIN, therapeutic use/ NEOPLASM METASTASIS/ PREDNISOLONE, therapeutic use/ *SARCOMA, OSTEOGENIC, drug therapy/ SARCOMA, OSTEOGENIC, enzymology/ *VINCRISTINE, therapeutic use

4327. **Yokochi T, Nakashima I, Kato N, et al:** Microbial adjuvant and autoimmunity. III. Histological studies of development of experimental autoimmune thyroiditis in mice immunized with syngeneic thyroid extract together with the capsular polysaccharide of Klebsiella pneumoniae.
Microbiol Immunol 22(10):619–30, 1978
*ADJUVANTS, IMMUNOLOGIC, pharmacodynamics/ ANIMAL/ *AUTOIMMUNE DISEASES, immunology/ FEMALE/ KLEBSIELLA PNEUMONIAE, immunology/ MALE/ MICE/ MICE, INBRED C3H/ MICE, INBRED C57BL/ *POLYSACCHARIDES, BACTERIAL, immunology/ *THYROID GLAND, immunology/ THYROID GLAND, pathology/ THYROIDITIS, etiology/ *THYROIDITIS, pathology/ TIME FACTORS/ *TISSUE EXTRACTS, immunology

4328. **Yonaga T:** Action of parathyroid hormone, with special reference to its anabolic effect on different kinds of tissues in rats (I). Bull Tokyo Med Dent Univ 25(4):237–48, Dec 78
ALVEOLAR PROCESS, cytology/ ALVEOLAR PROCESS, growth & development/ ANIMAL/ *BONE DEVELOPMENT/ BONE DEVELOPMENT, drug effects/ *BONE RESORPTION/ BONE RESORPTION, drug effects/ CALCIUM, DIETARY, administration & dosage/ MALE/ PARATHYROID GLANDS, surgery/ PARATHYROID HORMONE, pharmacodynamics/ *PARATHYROID HORMONE, physiology/ RATS/ TIBIA, cytology/ TIBIA, growth & development

4329. **Yonaga T:** Action of parathyroid hormone, with special reference to its anabolic effect on different kinds of tissues in rats (III). Bull Tokyo Med Dent Univ 25(4):259–68, Dec 78
ANIMAL/ *BONE MATRIX, physiology/ CALCIUM, DIETARY, administration & dosage/ *DENTIN, analysis/ *DENTINOGENESIS/ DENTINOGENESIS, drug effects/ INCISOR, analysis/ INCISOR, growth & development/ MALE/ *MINERALS, analysis/ PARATHYROID GLANDS, surgery/ PARATHYROID HORMONE, pharmacodynamics/ *PARATHYROID HORMONE, physiology/ RATS

4330. **Yonaga T:** Action of parathyroid hormone, with special reference to its anabolic effect on different kinds of tissues in rats (II). Bull Tokyo Med Dent Univ 25(4):249–58, Dec 78
ANIMAL/ CALCIUM, DIETARY, administration & dosage/ DENTIN, cytology/ *DENTINOGENESIS/ DENTINOGENESIS, drug effects/ *INCISOR, growth & development/ MALE/ PARATHYROID GLANDS, surgery/ PARATHYROID HORMONE, pharmacodynamics/ *PARATHYROID HORMONE, physiology/ RATS

4331. **Yonezawa K, Nakamura M:** [Serum growth hormone determination with a radioimmunoassay kit]
Horumon To Rinsho 26(10):1059–62, Oct 78 **(Jpn)**
ADULT/ FEMALE/ HUMAN/ MALE/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC/ *SOMATOTROPIN, blood/ THYROID DISEASES, blood

4332. **Yoshida H, Fukunishi R:** Effect of neonatal administration of sex steroids on 7,12-dimethylbenz[a]anthracene-induced mammary carcinoma and dysplasia in female Sprague-Dawley rats. Gan 69(5):627–31, Oct 78
ANIMAL/ ANIMALS, NEWBORN/ *BENZANTHRACENES/ COMPARATIVE STUDY/ CORPUS LUTEUM, pathology/ ESTRADIOL, administration & dosage/ FEMALE/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ MAMMARY NEOPLASMS, EXPERIMENTAL, pathology/ *MAMMARY NEOPLASMS, EXPERIMENTAL, prevention & control/ PROGESTERONE, administration & dosage/ RATS/ *SEX HORMONES, administration & dosage/ STANOLONE, administration & dosage/ TESTOSTERONE, administration & dosage/ *9,10-DIMETHYL-1,2-BENZANTHRACENE

4333. **Yoshida K, Davis PJ, Schoenl M:** Dissociable and non-dissociable cytoplasmic protein-thyroid hormone interactions. Biochim Biophys Acta 582(2):332–45, 18 Jan 79
ANIMAL/ BINDING, COMPETITIVE/ CELL NUCLEUS, metabolism/ CYTOSOL, metabolism/ DOGS/ IN VITRO/ KIDNEY, metabolism/ KINETICS/ MOLECULAR WEIGHT/ PENTOSES, analysis/ *THYRONINES, metabolism/ *THYROXINE BINDING PROTEIN, metabolism/ THYROXINE, metabolism/ TRIIODOTHYRONINE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4334. **Yoshida N:** [Abnormal metabolism of platelet cyclic nucleotides in Glanzmann's thrombasthenia and essential athrombia (author's transl)] Nippon Ketsueki Gakkai Zasshi 41(5):955–65, Oct 78 (Eng. Abstr.) **(Jpn)**
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ ADULT/ *BLOOD PLATELET DISORDERS, metabolism/ BLOOD PLATELETS, metabolism/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *PURPURA, THROMBOPENIC, blood

4335. **Yoshida T, Hattori Y, Suzuki H, et al:** Effect of sex steroid hormones on the serum prolactin concentration.
Tohoku J Exp Med 127(2):119–22, Feb 79
CONTRACEPTIVES, ORAL, COMBINED, pharmacodynamics/ CONTRACEPTIVES, ORAL, HORMONAL, pharmacodynamics/ ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ PROGESTATIONAL HORMONES, pharmacodynamics/ *PROLACTIN, blood/ *SEX HORMONES, pharmacodynamics

4336. **Yoshikawa H:** [PADOC therapy of aged patients with acute non-lymphocytic leukemia (author's transl)]
Rinsho Ketsueki 19(10):1351–6, Oct 78 (Eng. Abstr.) **(Jpn)**
AGED/ *ANTINEOPLASTIC AGENTS, administration & dosage/ CASE REPORT/ CYCLOPHOSPHAMIDE, administration & dosage/ CYTARABINE, administration & dosage/ DAUNOMYCIN, administration & dosage/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LEUKEMIA, MONOBLASTIC, drug therapy/ *LEUKEMIA, MYELOBLASTIC, drug therapy/ MALE/ MIDDLE AGE/ PREDNISOLONE, administration & dosage/ VINCRISTINE, administration & dosage

4337. **Yoshikawa H, Okamoto K:** [A case of acute lymphocytic leukemia relapsed with leukemic pleuritis and paraplegia, with special reference to 'AAAP'-therapy effect (author's transl)] Rinsho Ketsueki 19(12):1708–16, Dec 78 **(Jpn)**
CASE REPORT/ DOXORUBICIN, administration & dosage/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ LEUKEMIA, LYMPHOBLASTIC, complications/ *LEUKEMIA,

LYMPHOBLASTIC, drug therapy/ METHOTREXATE, administration & dosage/ MIDDLE AGE/ *NITROSOUREA COMPOUNDS, therapeutic use/ *PARAPLEGIA, etiology/ *PLEURISY, etiology/ PREDNISOLONE, administration & dosage/ RECURRENCE

4338. **Yoshikawa H:** [AAAP therapy for relapse of acute leukemia (author's transl)] Rinsho Ketsueki 19(10):1332–40, Oct 78 (Eng. Abstr.) **(Jpn)**
ADOLESCENCE/ ADULT/ *ANTINEOPLASTIC AGENTS, administration & dosage/ DOXORUBICIN, administration & dosage/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, drug therapy/ *LEUKEMIA, MYELOBLASTIC, drug therapy/ MALE/ METHOTREXATE, administration & dosage/ MIDDLE AGE/ NITROSOUREA COMPOUNDS, administration & dosage/ PREDNISOLONE, administration & dosage/ RECURRENCE

4339. **Yoshioka K, Tsuchioka H, Abe T, et al:** Changes in ionized and total calcium concentrations in serum and urine during open heart surgery. Biochem Med 20(2):135–43, Oct 78
BLOOD PROTEINS, metabolism/ BLOOD/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM, urine/ ELECTRODES/ *HEART SURGERY/ HUMAN/ HYDROGEN-ION CONCENTRATION/ KINETICS/ PHOSPHATES, blood

4340. **Young JK, Nance DM, Gorski RA:** Effects of estrogen upon feeding inhibition produced by intragastric glucose loads. Physiol Behav 21(3):423–30, Sep 78
ANIMAL/ CASTRATION/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ *FEEDING BEHAVIOR, drug effects/ FEMALE/ *GLUCOSE, pharmacodynamics/ LIGHT/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UREA, pharmacodynamics

4341. **Young JK, Nance DM, Gorski RA:** Dietary effects upon food and water intake and responsiveness to estrogen, 2-deoxy-glucose and glucose in female rats. Physiol Behav 21(3):395–403, Sep 78
ANIMAL/ BODY WEIGHT/ CALORIC INTAKE/ CASTRATION/ *DEOXY SUGARS, pharmacodynamics/ *DEOXYGLUCOSE, pharmacodynamics/ *DIET/ DIETARY CARBOHYDRATES/ DIETARY FATS/ *DRINKING BEHAVIOR, drug effects/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ *FEEDING BEHAVIOR, drug effects/ FEMALE/ *GLUCOSE, pharmacodynamics/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4342. **Young JL, Stansfield DA:** Gel-filtration analysis of soluble adenylate cyclase from bovine corpus luteum. Biochem J 175(2):579–84, 1 Nov 78
*ADENYL CYCLASE, analysis/ ANIMAL/ CATTLE/ CHROMATOGRAPHY, GEL/ *CORPUS LUTEUM, enzymology/ DETERGENTS/ DITHIOTHREITOL/ FEMALE/ SOLUBILITY

4343. **Young JM, Yoxall BE, Wagner BM:** Topical betamethasone 17-valerate is an anticorticosteroid in the rat. 1. Dermal atrophy. Br J Dermatol 99(6):655–63, Dec 78
ADMINISTRATION, TOPICAL/ *ADRENAL CORTEX HORMONES, antagonists & inhibitors/ ANIMAL/ ATROPHY/ *BETAMETHASONE 17-VALERATE, pharmacodynamics/ *BETAMETHASONE, analogs & derivatives/ BETAMETHASONE, antagonists & inhibitors/ DOSE-RESPONSE RELATIONSHIP, DRUG/ MALE/ RATS/ SKIN, drug effects/ *SKIN, pathology/ TRIAMCINOLONE ACETONIDE, antagonists & inhibitors

4344. **Young JM, Wagner BM, Fisk RA:** Topical betamethasone 17-valerate is an anticorticosteroid in the rat. 2. Anti-inflammatory and anti-lymphocyte activities. Br J Dermatol 99(6):665–73, Dec 78
*ADRENAL CORTEX HORMONES, antagonists & inhibitors/ ANIMAL/ *ANTI-INFLAMMATORY AGENTS, TOPICAL, antagonists & inhibitors/ *BETAMETHASONE 17-VALERATE, pharmacodynamics/ BETAMETHASONE 17-VALERATE, therapeutic use/ *BETAMETHASONE, analogs & derivatives/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EDEMA, chemically induced/ EDEMA, drug therapy/ FLUOCINOLONE ACETONIDE, antagonists & inhibitors/ HYPERSENSITIVITY, DELAYED, chemically induced/ *LYMPHOCYTE TRANSFORMATION, drug effects/ MALE/ MICE/ OXAZOLONE/ RATS/ TRIAMCINOLONE ACETONIDE, antagonists & inhibitors

4345. **Young LJ, Cardiff RD, Seeley T:** Quantitative characterization of domes in primary mouse mammary epithelial tumor cell cultures. In Vitro 14(11):895–902, Nov 78
CATTLE/ CELL COUNT/ CELL DIVISION, drug effects/ CULTURE MEDIA/ *EPITHELIUM, cytology/ FETAL BLOOD/ HYDROCORTISONE, pharmacodynamics/ INSULIN, pharmacodynamics/ *MAMMARY NEOPLASMS, EXPERIMENTAL/ MICE/ TISSUE CULTURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4346. **Younger JB, Boots LR, Coleman C:** The use of a one-day luteinizing hormone assay for timing of artificial insemination in infertility patients. Fertil Steril 30(6):648–53, Dec 78
ADULT/ FEMALE/ HUMAN/ *INSEMINATION, ARTIFICIAL, methods/ *LH, blood/ *OVULATION DETECTION, methods/ RADIOIMMUNOASSAY/ STERILITY, FEMALE, blood/ TIME FACTORS

4347. **Yu PH:** Phenylethanolamine N-methyltransferase from the brain and adrenal medulla of the rat: a comparison of their properties. Neurochem Res 3(6):755–62, Dec 78
*ADRENAL MEDULLA, enzymology/ ANIMAL/ *BRAIN, enzymology/ COMPARATIVE STUDY/ HYDROGEN-ION CONCENTRATION/ ISOENZYMES, metabolism/ KINETICS/ MALE/ PHENETHANOLAMINE N-METHYLTRANSFERASE, antagonists & inhibitors/ PHENETHANOLAMINE N-METHYLTRANSFERASE, isolation & purification/ *PHENETHANOLAMINE N-METHYLTRANSFERASE, metabolism/ RATS

4348. **Yuasa S:** [The role of microtubules on the action of vasopressin in the toad urinary bladder (author's transl)] Nippon Jinzo Gakkai Shi 20(10):1075–86, Oct 78 (Eng. Abstr.) **(Jpn)**
ANIMAL/ *BLADDER, physiology/ BUFO/ *CELL MEMBRANE PERMEABILITY, drug effects/ COLCHICINE, pharmacodynamics/ ENGLISH ABSTRACT/ IN VITRO/ *MICROTUBULES, physiology/ *VASOPRESSINS, pharmacodynamics

4349. **Yue RH, Gertler MM:** The binding of calcium ions to bovine factor X by rate dialysis. Thromb Haemost 40(2):350–7, 31 Oct 78
ANIMAL/ BINDING SITES/ *CALCIUM, metabolism/ CATTLE/ DIALYSIS/ *FACTOR X, metabolism/ MOLECULAR WEIGHT/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4350. **Yuita K:** [Practical techniques of activation analysis to agricultural and biological samples (V), (4) Activation analysis of the elements in soil materials (2), Halogen elements (author's transl)] Radioisotopes 27(10):613–23, Oct 78 **(Jpn)**
ACTIVATION ANALYSIS, instrumentation/ *ACTIVATION ANALYSIS, methods/ BROMINE, analysis/ CHLORINE, analysis/ *HALOGENS, analysis/ IODINE, analysis/ PLANTS, analysis/ RADIOMETRY/ *SOIL, analysis/ WATER, analysis

4351. **Yukimura Y, Bray GA:** Effects of adrenalectomy on thyroid function and insulin levels in obese (ob/ob) mice. Proc Soc Exp Biol Med 159(3):364–7, Dec 78
*ADRENALECTOMY/ ANIMAL/ BLOOD SUGAR, metabolism/ BODY WEIGHT/ CALORIC INTAKE/ FEEDING BEHAVIOR, physiology/ *INSULIN, blood/ MICE/ *MICE, OBESE, physiology/ *THYROID GLAND, physiology

4352. **Yukitake Y:** Possible relations between the secretory cycle of the neurosecretory cells in the rat paraventricular nucleus and the estrous cycle. Arch Histol Jpn 41(5):471–82, Nov 78
ANIMAL/ DIESTRUS/ *ESTRUS/ FEMALE/ *HYPOTHALAMUS, ultrastructure/ MALE/ METESTRUS/ *NEUROSECRETION/ *NEUROSECRETORY SYSTEMS, ultrastructure/ *PARAVENTRICULAR NUCLEUS, ultrastructure/

PROESTRUS/ RATS/ SUPRAOPTIC NUCLEUS, ultrastructure

4353. **Yund MA, King DS, Fristrom JW:** Ecdysteroid receptors in imaginal discs of Drosophila melanogaster.
Proc Natl Acad Sci USA 75(12):6039–43, Dec 78
ANIMAL/ CELL NUCLEUS, metabolism/ CHOLESTENES, metabolism/ CYTOPLASM, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DROSOPHILA MELANOGASTER, anatomy & histology/ *DROSOPHILA MELANOGASTER, metabolism/ ECDYSONE, metabolism/ ECDYSTERONE, metabolism/ KINETICS/ *RECEPTORS, HORMONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

Z

4354. **Záborszky L, Palkovits M:** Ascending brain stem pathways to the diencephalon and limbic regions: a light and electron microscopic study in the rat.
Acta Morphol Acad Sci Hung 26(1):49–71, 1978
ANIMAL/ *BRAIN STEM, anatomy & histology/ *DIENCEPHALON, anatomy & histology/ HYPOTHALAMUS, anatomy & histology/ HYPOTHALAMUS, cytology/ HYPOTHALAMUS, ultrastructure/ *LIMBIC SYSTEM, anatomy & histology/ MESENCEPHALON, surgery/ NEURAL PATHWAYS/ RATS/ THALAMUS, anatomy & histology/ THALAMUS, cytology

4355. **Zagalak B, Curtius HC, Feschi R, et al:** Mass fragmentographic determination of cholecalciferol and 25-hydroxycholecalciferol in human serum. Experientia 34(12):1537–9, 15 Dec 78
*CHOLECALCIFEROLS, blood/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, blood/ MASS FRAGMENTOGRAPHY/ METHODS

4356. **Zaitoon MM, Mackie GG:** Adrenal cortical tumors in children.
Urology 12(6):645–9, Dec 78
*ADRENAL CORTEX NEOPLASMS, diagnosis/ ADRENAL CORTEX NEOPLASMS, pathology/ ADRENAL CORTEX NEOPLASMS, surgery/ AGE DETERMINATION BY SKELETON/ ANGIOGRAPHY/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ MALE/ ULTRASONICS, diagnostic use/ UROGRAPHY/ 17-KETOSTEROIDS, metabolism

4357. **Zalman F, Maloney MA, Patt HM:** Differential response of early erythropoietic and granulopoietic progenitors to dexamethasone and cortisone. J Exp Med 149(1):67–72, 1 Jan 79
ANIMAL/ *BONE MARROW, cytology/ CELL DIFFERENTIATION, drug effects/ CELLS, CULTURED/ *CORTISONE, pharmacodynamics/ *DEXAMETHASONE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ERYTHROPOIESIS, drug effects/ FEMALE/ *GRANULOCYTES, cytology/ *HEMATOPOIESIS, drug effects/ MICE/ UNITED STATES GOV'T SUPPORTED

4358. **Zamir N, Gutman Y, Ben-Ishay D:** Hypertension and brain catecholamine distribution in the Hebrew University Sabra, H and N rats. Clin Sci Mol Med 55 Suppl 4:105s–107s, Dec 78
ANIMAL/ *BRAIN, metabolism/ *CATECHOLAMINES, metabolism/ DESOXYCORTICOSTERONE/ HYPERTENSION, etiology/ *HYPERTENSION, metabolism/ HYPERTENSION, RENOVASCULAR, metabolism/ MALE/ MEDULLA OBLONGATA, metabolism/ NEPHRECTOMY/ RATS/ RATS, INBRED STRAINS, metabolism/ SODIUM CHLORIDE

4359. **Zaninovich AA, Boado R, Bromage N, et al:** Niveles séricos de tirotrofina hipofisaria durante la administración de estrógenos en el hombre. Medicina (B Aires) 38(4):347–51, Jul-Aug 78 (Eng. Abstr.) **(Spa)**
COMPARATIVE STUDY/ ENGLISH ABSTRACT/ *ESTROGENS, pharmacodynamics/ HUMAN/ MALE/ THYROTROPIN RELEASING HORMONE, pharmacodynamics/ *THYROTROPIN, blood

4360. **Zaorska B:** Zachowanie się prostaglandyn pierwotnych w płynie mózgowo-rdzeniowym u dzieci w przebiegu padaczki. Pediatr Pol 53(12):1341–7, 1978 (Eng. Abstr.) **(Pol)**
AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ *EPILEPSY, cerebrospinal fluid/ HUMAN/ *PROSTAGLANDINS, cerebrospinal fluid

4361. **Zarkadas CG:** A rapid chromatographic method for the determination of omega-N-methylarginines in protein and muscle tissues. Can J Biochem 56(10):952–7, Oct 78
AMINO ACIDS, analysis/ ANIMAL/ *ARGININE, analogs & derivatives/ ARGININE, analysis/ BRAIN CHEMISTRY/ CATTLE/ CHROMATOGRAPHY, methods/ LIVER, analysis/ MALE/ *MUSCLES, analysis/ *PROTEINS, analysis/ TESTIS, analysis

4362. **Zatz M, Brownstein MJ:** Intraventricular carbachol mimics the effects of light on the circadian rhythm in the rat pineal gland. Science 203(4378):358–61, 26 Jan 79
ACETYLTRANSFERASES, metabolism/ ANIMAL/ BIOLOGICAL CLOCKS, drug effects/ CARBACHOL, administration & dosage/ *CARBACHOL, pharmacodynamics/ *CIRCADIAN RHYTHM, drug effects/ CIRCADIAN RHYTHM, radiation effects/ INJECTIONS, INTRAVENTRICULAR/ *LIGHT/ MALE/ NEUROHUMORS, pharmacodynamics/ PINEAL BODY, enzymology/ *PINEAL BODY, physiology/ RATS/ SEROTONIN

4363. **Zatz M, Brownstein MJ:** Central depressants rapidly reduce nocturnal serotonin N-acetyltransferase activity in the rat pineal gland. Brain Res 160(2):381–5, 12 Jan 79
*ACETYLTRANSFERASES, metabolism/ ANIMAL/ *CENTRAL NERVOUS SYSTEM DEPRESSANTS, pharmacodynamics/ *CIRCADIAN RHYTHM/ EFFERENT PATHWAYS, physiology/ ENZYME ACTIVATION, drug effects/ HYPOTHALAMUS, physiology/ MALE/ OPTIC CHIASM, physiology/ *PINEAL BODY, enzymology/ RATS/ SENSORY DEPRIVATION/ *SEROTONIN, metabolism

4364. **Zaviačič M, Brozman M, Jakubovský J:** Influence of autolysis on rat gastric endocrine cells. Histochemical and electron microscopical study. Histochemistry 59(2):129–39, 29 Dec 78
ANIMAL/ *AUTOLYSIS/ *CHROMAFFIN SYSTEM, ultrastructure/ CYTOPLASMIC GRANULES, ultrastructure/ *ENTEROCHROMAFFIN CELLS, ultrastructure/ FEMALE/ *GASTRIC MUCOSA, cytology/ HISTOCYTOCHEMISTRY/ MALE/ MICROSCOPY, ELECTRON/ ORGANOIDS, ultrastructure/ RATS

4365. **Zawalich WS, Karl RC, Matschinsky FM:** Effects of alloxan on glucose-stimulated insulin secretion, glucose metabolism, and cyclic adenosine 3', 5'-monophosphate levels in rat isolated islets of langerhans. Diabetologia 16(2):115–20, Feb 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ *ALLOXAN, pharmacodynamics/ ANIMAL/ CALCIUM, pharmacodynamics/ GLUCOSE, metabolism/ INSULIN, secretion/ *ISLANDS OF LANGERHANS, drug effects/ MALE/ METHYLGLUCOSIDES, pharmacodynamics/ RATS

4366. **Zebrowska-Lupina I:** Studies on the mechanisms of central action of alpha-adrenergic receptor blocking agents.
Pol J Pharmacol Pharm 30(4):455–8, Jul-Aug 78
ACETYLCHOLINE, metabolism/ *ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL/ BEHAVIOR, ANIMAL, drug effects/ *BRAIN CHEMISTRY, drug effects/ DOPAMINE, metabolism/ MOTOR ACTIVITY, drug effects/ NOREPINEPHRINE, antagonists & inhibitors/ NOREPINEPHRINE, metabolism/ RATS/ RECEPTORS, ADRENERGIC, drug effects/ SEROTONIN, metabolism/ STEREOTYPED BEHAVIOR, drug effects

4367. **Zehl U, Weiss M, Biass KE, et al:** Influence of coronary active substances on prostaglandin and adenosine release and coronary autoregulation. Acta Biol Med Ger 37(5–6):769–71, 1976
*ADENOSINE, metabolism/ ANIMAL/ GLYCERYL TRINITRATE, pharmacodynamics/ HEART, drug effects/ *HEART, physiology/ IPROVERATRIL, pharmacodynamics/ *MYOCARDIUM, metabolism/ OXYFEDRINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ *PROSTAGLANDINS, metabolism/ RABBITS

4368. **Zenzes MT, Wolf U, Engel W:** Organization in vitro of ovarian

cells into testicular structures. Hum Genet 44(3):333–8, 16 Nov 78
ANIMAL/ *ANIMALS, NEWBORN, physiology/ *CELL DIFFERENTIATION, drug effects/ CELLS, CULTURED/ FEMALE/ *H-Y ANTIGEN/ MALE/ *OVARY, anatomy & histology/ RATS/ TESTIS, analysis

4369. **Zenzes MT, Müller U, Aschmoneit I, et al:** Studies on H-Y antigen in different cell fractions of the testis during pubescence: immature germ cells are H-Y antigen negative. Hum Genet 45(3):297–303, 29 Dec 78
AGE FACTORS/ ANIMAL/ *H-Y ANTIGEN/ LEYDIG CELLS, immunology/ MALE/ RATS/ RATS, INBRED STRAINS/ *SEX MATURATION/ SPERMATOCYTES, immunology/ SPERMATOGONIA, immunology/ TESTIS, cytology/ *TESTIS, immunology

4370. **Zerwekh JE:** Vitamin D-dependent intestinal calcium absorption. Gastroenterology 76(2):404–11, Feb 79 (79 ref.)
ANIMAL/ CALCIUM, deficiency/ *CALCIUM, metabolism/ *CALCIUM-BINDING PROTEIN, VITAMIN D-DEPENDENT, physiology/ CALCIUM, DIETARY/ *CARRIER PROTEINS, physiology/ HUMAN/ INTESTINAL ABSORPTION/ MODELS, BIOLOGICAL/ ORGAN CULTURE/ REVIEW/ *VITAMIN D, physiology

4371. **Zeskind PS, Ramey CT:** Fetal malnutrition: an experimental study of its consequences on infant development in two caregiving environments. Child Dev 49(4):1155–62, Dec 78
CHILD DAY CARE CENTERS/ *CHILD DEVELOPMENT/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ INTELLIGENCE/ MALE/ MATERNAL BEHAVIOR/ MENTAL RETARDATION, PSYCHOSOCIAL, prevention & control/ MENTAL RETARDATION, PSYCHOSOCIAL, psychology/ *PLACENTA DISORDERS, psychology/ PREGNANCY/ PSYCHOLOGICAL TESTS/ *SOCIAL ENVIRONMENT/ SOCIOECONOMIC FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4372. **Zhakhova ZN, Tripol'skaia NA:** Izmeneniia sostava belkov serdtsa v rannem ontogeneze v norme i v usloviiakh umen'shennogo matochno-platsentarnogo krovotoka. Biull Eksp Biol Med 86(12):684–7, Dec 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ CHINCHILLAS/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ *FETAL HEART, analysis/ GESTATIONAL AGE/ MATERNAL-FETAL EXCHANGE/ *MUSCLE PROTEINS, analysis/ ORGAN WEIGHT/ *PLACENTA DISORDERS, metabolism/ PLACENTA, blood supply/ *PLACENTAL INSUFFICIENCY, metabolism/ PREGNANCY/ RABBITS/ UTERUS, blood supply

4373. **Zherev S, Popova N:** Prouchvane aktivnostta na niakoi enzimi v matochniia muskul na plukhove sled kastratsiia i treirane s testosteron. Eksp Med Morfol 17(4):187–90, 1978 (Eng. Abstr.) **(Bul)**
ALANINE AMINOTRANSFERASE, metabolism/ ANIMAL/ ASPARTATE AMINOTRANSFERASE, metabolism/ CASTRATION/ ENGLISH ABSTRACT/ ENZYME ACTIVATION, drug effects/ FEMALE/ FRUCTOSEDIPHOSPHATE ALDOLASE, metabolism/ LACTATE DEHYDROGENASE, metabolism/ *MYOMETRIUM, enzymology/ *OVARY, physiology/ RATS/ *TESTOSTERONE, pharmacodynamics/ *UTERUS, enzymology

4374. **Zhuk VI, Sharban AP:** Radkie sluchai otravleniia presotsilom i intensivnaia terapiia. Pediatriia (11):70–1, Nov 78 **(Rus)**
*ASPIRIN, poisoning/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ *CHLOROQUINE, poisoning/ CRITICAL CARE/ DRUG COMBINATIONS/ FEMALE/ HUMAN/ *PREDNISOLONE, poisoning

4375. **Zick Y, Cesla R, Shaltiel S:** cAMP-dependent protein kinase from mouse thymocytes. Localization, characterization, and evaluation of the physiological relevance of a massive cytosol to nucleus translocation. J Biol Chem 254(3):879–87, 10 Feb 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ BIOLOGICAL TRANSPORT/ *CELL NUCLEUS, enzymology/ COMPARATIVE STUDY/ CYTOSOL, enzymology/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ ENZYME ACTIVATION/ FEMALE/ IN VITRO/ KINETICS/ LIVER, enzymology/ MALE/ MICE/ ORGAN SPECIFICITY/ *PROTEIN KINASE, metabolism/ RATS/ SPECIES SPECIFICITY/ *THYMUS GLAND, enzymology

4376. **Zieliński T, Krajewska B, Solska E, et al:** Chemioterapia według schematu MOPP u chorych na uogólnioną ziarnicę złośliwą. Nowotwory 28(4):453–9, Dec 78 (Eng. Abstr.) **(Pol)**
ADOLESCENCE/ ADULT/ AGED/ ANTINEOPLASTIC AGENTS, administration & dosage/ *ANTINEOPLASTIC AGENTS, therapeutic use/ DRUG THERAPY, COMBINATION, methods/ ENGLISH ABSTRACT/ FEMALE/ *HODGKIN'S DISEASE, drug therapy/ HUMAN/ MALE/ *MECHLORETHAMINE, therapeutic use/ MIDDLE AGE/ PREDNISONE, therapeutic use/ PROCARBAZINE, therapeutic use/ VINCRISTINE, therapeutic use

4377. **Ziemlanski S, Budzynska-Topolowska J:** Recherches sur les effets physiopathologiques des huiles de colza à haute et à basse teneur en acide érucique. Ann Nutr Aliment 32(4):781–800, 1978 (Eng. Abstr.) **(Fre)**
ACID PHOSPHATASE, analysis/ ADENOSINE TRIPHOSPHATASE, analysis/ ALKALINE PHOSPHATASE, analysis/ ALKALINE PHOSPHATASE, blood/ ANIMAL/ *BRASSICA/ CHOLESTEROL, blood/ COMPARATIVE STUDY/ CORTICOSTERONE, analysis/ ENGLISH ABSTRACT/ *ERUCIC ACIDS, adverse effects/ *FATTY ACIDS, UNSATURATED, adverse effects/ HELIANTHUS/ LIPIDS, analysis/ LIVER, enzymology/ MALE/ MYOCARDIUM, ultrastructure/ *OILS, adverse effects/ ORGAN WEIGHT, drug effects/ PSEUDOCHOLINESTERASE, blood/ RATS/ TRIGLYCERIDES, blood

4378. **Zigmond RE:** Tyrosine hydroxylase activity in noradrenergic neurons of the locus coeruleus after reserpine administration: sequential increase in cell bodies and nerve terminals. J Neurochem 32(1):23–9, Jan 79
ANIMAL/ CEREBELLUM, drug effects/ CEREBELLUM, enzymology/ HIPPOCAMPUS, drug effects/ HIPPOCAMPUS, enzymology/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, enzymology/ KINETICS/ LOCUS COERULEUS, drug effects/ *LOCUS COERULEUS, enzymology/ MALE/ NEURONS, drug effects/ *NEURONS, enzymology/ RATS/ *RESERPINE, pharmacodynamics/ *TYROSINE HYDROXYLASE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4379. **Zilenovski AM, Kuroda S, Bhat S, et al:** Effect of sodium bicarbonate on phosphate excretion in acute and chronic PTX rats. Am J Physiol 236(2):F184–91, Feb 79
ANIMAL/ *BICARBONATES, pharmacodynamics/ *KIDNEY, metabolism/ PARATHYROID GLANDS, physiology/ *PARATHYROID HORMONE, physiology/ *PHOSPHATES, metabolism/ POTASSIUM, metabolism/ RATS/ SODIUM, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4380. **Zimmerman TP, Wolberg G, Duncan GS:** Inhibition of lymphocyte-mediated cytolysis by 3-deazaadenosine: evidence for a methylation reaction essential to cytolysis. Proc Natl Acad Sci USA 75(12):6220–4, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *CYTOTOXICITY, IMMUNOLOGIC, drug effects/ HOMOCYSTEINE, pharmacodynamics/ IMMUNITY, CELLULAR, drug effects/ ISOMERISM/ METHYLTRANSFERASES, metabolism/ *RIBONUCLEOSIDES, pharmacodynamics/ S-ADENOSYLHOMOCYSTEINE, metabolism/ S-ADENOSYLMETHIONINE, metabolism/ T-LYMPHOCYTES, drug effects/ *T-LYMPHOCYTES, immunology/ T-LYMPHOCYTES, metabolism/ *TUBERCIDIN, pharmacodynamics

4381. **Zingales B, Carniol C, Abramhamsohn PA, et al:** Purification of an adenylyl cyclase-containing plasma membrane fraction from Trypanosoma cruzi. Biochim Biophys Acta 550(2):233–44, 19 Jan 79
*ADENYL CYCLASE, metabolism/ ANIMAL/ CELL

FRACTIONATION, methods/ *CELL MEMBRANE, enzymology/ CELL MEMBRANE, ultrastructure/ FREEZE FRACTURING/ MICROSCOPY, ELECTRON/ SUBCELLULAR FRACTIONS, enzymology/ *TRYPANOSOMA CRUZI, enzymology/ TRYPANOSOMA CRUZI, ultrastructure

4382. **Zitti E, Iliescu O, Ionescu L, et al:** Gușile mediastinocervicale posterioare (retrovasculare). Rev Chir [Chir] 27(5):345–50, Sep–Oct 78 (Eng. Abstr.) **(Rum)**
ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ GOITER, SUBSTERNAL, radiography/ *GOITER, SUBSTERNAL, surgery/ HUMAN/ MALE/ MIDDLE AGE

4383. **Zmora E, Gorodischer R, Bar-Ziv J:** Multiple nutritional deficiencies in infants from a strict vegetarian community. Am J Dis Child 133(2):141–4, Feb 79
CASE REPORT/ FEMALE/ HUMAN/ INFANT NUTRITION DISORDERS, diet therapy/ *INFANT NUTRITION DISORDERS, etiology/ INFANT/ ISRAEL/ MALE/ NUTRITIONAL REQUIREMENTS/ OSTEOPOROSIS, etiology/ PROTEIN-CALORIE MALNUTRITION, etiology/ RELIGION/ RICKETS, etiology/ *VEGETARIANISM

4384. **Zondek LH, Zondek T:** Effect of hormones on the human fetal prostate. Contrib Gynecol Obstet 5:145–58, 1979 (34 ref.)
ANDROGENS, metabolism/ *ANDROGENS, physiology/ ANENCEPHALY, pathology/ ESTRIOL, blood/ ESTROGENS, metabolism/ *ESTROGENS, physiology/ FEMALE/ HUMAN/ LEYDIG CELLS, metabolism/ MALE/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ PROSTATE, cytology/ *PROSTATE, embryology/ PROSTATE, pathology/ REVIEW/ URINARY TRACT, abnormalities

4385. **Zondek LH, Zondek T:** Observations on the determination of fetal sex in early pregnancy. Contrib Gynecol Obstet 5:91–108, 1979 (70 ref.)
ANDROSTENEDIONE, metabolism/ FEMALE/ FSH, blood/ GESTATIONAL AGE/ GONADOTROPINS, CHORIONIC, metabolism/ HUMAN/ LEYDIG CELLS, metabolism/ MALE/ OVARY, cytology/ OVARY, embryology/ OVARY, metabolism/ PREGNANCY/ REVIEW/ *SEX DETERMINATION/ STANOLONE, metabolism/ TESTIS, embryology/ TESTIS, metabolism/ TESTOSTERONE, metabolism

4386. **Zsebök Z, Baumgartner E:** Chromosomenveränderungen infolge Ganzkörperbestrahlung mit kleinen Dosen. ROEFO 129(6):781–4, Dec 78 (Eng. Abstr.) **(Ger)**
ADULT/ CHROMATIDS, radiation effects/ *CHROMOSOME ABERRATIONS/ *CHROMOSOMES, radiation effects/ ENGLISH ABSTRACT/ HUMAN/ *IODINE RADIOISOTOPES, adverse effects/ MIDDLE AGE/ *THYROID FUNCTION TESTS

4387. **Zubovskiĭ GA, Mazurin AV, Korovkina EG, et al:** Gormonal'nyĭ profil' syvorotki krovi u deteĭ pri khronicheskom gastroduodenite. Vopr Okhr Materin Det 23(11):17–22, Nov 78 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ CHRONIC DISEASE/ *DUODENAL DISEASES, blood/ ENGLISH ABSTRACT/ ENTERITIS, blood/ FEMALE/ *GASTRITIS, blood/ HUMAN/ *INSULIN, blood/ MALE/ *SOMATOTROPIN, blood/ *THYROID HORMONES, blood/ *THYROTROPIN, blood

4388. **Zucker IH, Gilmore JP:** Contribution of peripheral pooling to the renal response to immersion in the dog. J Appl Physiol 45(5):786–90, Nov 78
ANIMAL/ DESOXYCORTICOSTERONE, diagnostic use/ DIURESIS/ DOGS/ *HEMODYNAMICS/ *IMMERSION, physiopathology/ *KIDNEY, physiology/ NATRIURESIS/ *POSTURE/ REGIONAL BLOOD FLOW/ THORAX, blood supply/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VAGOTOMY/ VAGUS NERVE, physiopathology/ VASOPRESSINS, diagnostic use

4389. **Zusmanovskiĭ AG, Feshin IuI, Pimenov PK, et al:** Zavisimost' biokhimicheskikh pokazateleĭ u korov ot prodolzhitel'nosti gipokinezii. Veterinariia (12):87–9, Dec 78 **(Rus)**
ANIMAL/ *CATTLE, blood/ FEMALE/ LACTATION/ PREGNANCY/ *RESTRAINT, PHYSICAL, veterinary/ SEASONS/ TIME FACTORS

4390. **Zwintz E, Olbert F, Russe OJ:** Die Chirurgie der endothorakalen Struma. Chirurg 50(1):26–32, Jan 79 (Eng. Abstr.) **(Ger)**
DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ GOITER, SUBSTERNAL, physiopathology/ GOITER, SUBSTERNAL, radiography/ *GOITER, SUBSTERNAL, surgery/ HUMAN/ MEDIASTINAL NEOPLASMS, diagnosis/ MEDIASTINUM, blood supply/ METHODS/ PHLEBOGRAPHY

ANONYMOUS

Acta Med Austriaca

4391. 3. Symposium des Arbeitskreises für Osteologie. Zu den Themen: 1. Reaktionen des Knochengewebes auf Implantatwerkstoffe und 2. Aseptische Knochennekrosen wurden die folgenden Vorträge gehalten. Kurzfassungen, besorgte H. Plenk jr. Acta Med Austriaca 5(2):suppl 11, 1–18, 1978 **(Ger)**
*BONE AND BONES, pathology/ BONE DISEASES, chemically induced/ *METALS, adverse effects/ NECROSIS/ PROSTHESIS, adverse effects

Am Fam Physician

4392. Test for early detection of adrenal hyperplasia is being developed [news] Am Fam Physician 19(1):224, Jan 79
ADRENAL GLAND HYPERFUNCTION, congenital/ *ADRENAL GLAND HYPERFUNCTION, diagnosis/ ADRENAL GLAND HYPERFUNCTION, familial & genetic/ ADULT/ CHILD/ HUMAN

Am J Med

4393. Osteopenia, hypercalcemia and an anterior cervical mass. Am J Med 66(1):133–40, Jan 79
CASE REPORT/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, diagnosis/ *HYPERPARATHYROIDISM, pathology/ HYPERPARATHYROIDISM, radiography/ HYPERPLASIA/ MIDDLE AGE/ PARATHYROID GLANDS, pathology

4394. Clinicopathologic conference. Erythrocytosis. Am J Med 65(6):1007–14, Dec 78
ADENOCARCINOMA, etiology/ *ADENOCARCINOMA, pathology/ ADENOCARCINOMA, radiography/ ADULT/ AGED/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ HYPERCALCEMIA, etiology/ KIDNEY NEOPLASMS, etiology/ *KIDNEY NEOPLASMS, pathology/ KIDNEY NEOPLASMS, radiography/ KIDNEY, abnormalities/ MALE/ MIDDLE AGE/ *POLYCYTHEMIA, diagnosis/ POLYCYTHEMIA, etiology/ POLYCYTHEMIA, pathology/ RENAL ARTERY, radiography/ TOMOGRAPHY, COMPUTERIZED AXIAL/ UROGRAPHY

Ann Biol Clin (Paris)

4395. Société Française de Biologie Clinique. Réunions thématiques. L'immuno-enzymologie. 1977. Rapports.
Ann Biol Clin (Paris) 36(4):375–400, 1978 **(Fre)**
ALPHA FETOPROTEINS, analysis/ ANTIBODIES, analysis/ ANTIGEN-ANTIBODY REACTIONS/ COMPARATIVE STUDY/ CONGRESSES/ ENZYME-LINKED IMMUNOSORBENT ASSAY, methods/ FRANCE/ HUMAN/ *IMMUNOENZYME TECHNICS, methods/ SOCIETIES, SCIENTIFIC/

STEROIDS, analysis

Ann Endocrinol (Paris)

4396. 9th annual meeting of the European Thyroid Association. Abstracts. Berlin–4–8 September 1978.
Ann Endocrinol (Paris) 39(5):1A–62A, 1978
ANIMAL/ CONGRESSES/ EUROPE/ HUMAN/ HYPERTHYROIDISM/ HYPOTHYROIDISM/ RECEPTORS, HORMONE/ THYROGLOBULIN/ *THYROID GLAND, physiology/ THYROID HORMONES/ THYROTROPIN

Ann NY Acad Sci

4397. Recent developments in chemotherapy of narcotic addiction, 3–4 November 1977, Washington, D.C.: proceedings.
Ann NY Acad Sci 311:1–315, 1978
ANIMAL/ CONGRESSES/ DRUG DEPENDENCE, occurrence/ *DRUG DEPENDENCE, rehabilitation/ ENDORPHINS, physiology/ HUMAN/ METHADONE, therapeutic use/ METHADYL ACETATE, therapeutic use/ NARCOTIC ANTAGONISTS, therapeutic use/ NEW YORK/ RECEPTORS, NARCOTIC, physiology/ SOCIETIES, SCIENTIFIC

Br J Cancer

4398. Chemotherapy of acute myeloid leukaemia in adults: Medical Research Council. Br J Cancer 39(1):69–86, Jan 79
ADOLESCENCE/ ADULT/ AGED/ *ANTINEOPLASTIC AGENTS, administration & dosage/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ CYCLOPHOSPHAMIDE, therapeutic use/ CYTARABINE, therapeutic use/ DAUNOMYCIN, therapeutic use/ DRUG ADMINISTRATION SCHEDULE/ DRUG THERAPY, COMBINATION/ HUMAN/ *LEUKEMIA, MYELOBLASTIC, drug therapy/ LEUKEMIA, MYELOBLASTIC, mortality/ MERCAPTOPURINE, therapeutic use/ METHOTREXATE, therapeutic use/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ RANDOM ALLOCATION/ THIOGUANINE, therapeutic use/ VINCRISTINE, therapeutic use

Br J Obstet Gynaecol

4399. An assessment of the hazards of amniocentesis. Report to the Medical Research Council by their Working Party on Amniocentesis. Br J Obstet Gynaecol 85 Suppl 2:1–41, 1978
ABNORMALITIES, diagnosis/ ABORTION, etiology/ ADULT/ *AMNIOCENTESIS, adverse effects/ BONE AND BONES, abnormalities/ CHROMOSOME ABNORMALITIES, diagnosis/ ERYTHROBLASTOSIS, FETAL, etiology/ FEMALE/ FETAL DEATH, etiology/ HEMORRHAGE, POSTPARTUM, etiology/ HUMAN/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, etiology/ LABOR COMPLICATIONS, etiology/ MIDDLE AGE/ NEURAL TUBE DEFECTS, diagnosis/ PREGNANCY COMPLICATIONS, diagnosis/ PREGNANCY COMPLICATIONS, etiology/ PREGNANCY/ RESPIRATORY DISTRESS SYNDROME, etiology/ RH-HR BLOOD-GROUP SYSTEM

Br Med J

4400. Endocrine basis for sexual dysfunction in men [editorial] Br Med J 2(6151):1516–7, 2 Dec 78
*ENDOCRINE DISEASES, complications/ HUMAN/ IMPOTENCE, blood/ IMPOTENCE, drug therapy/ *IMPOTENCE, etiology/ MALE/ PROLACTIN, blood/ TESTOSTERONE, blood

4401. Dexamethasone in acute stroke [letter] Br Med J 2(6152):1640–1, 9 Dec 78
ACUTE DISEASE/ *CEREBROVASCULAR DISORDERS, drug therapy/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, therapeutic use/ DRUG ADMINISTRATION SCHEDULE/ HUMAN/ TIME FACTORS

4402. Premenstrual tension syndrome [letter] Br Med J 1(6160):410, 10 Feb 79
ESTRADIOL, therapeutic use/ FEMALE/ HUMAN/ *PREMENSTRUAL TENSION, drug therapy/ PREMENSTRUAL TENSION, economics/ PREMENSTRUAL TENSION, etiology/ *PROGESTERONE, therapeutic use

4403. Dexamethasone in acute stroke [letter] Br Med J 1(6155):55–6, 6 Jan 79
ACUTE DISEASE/ *CEREBROVASCULAR DISORDERS, drug therapy/ CLINICAL RESEARCH/ *DEXAMETHASONE, therapeutic use/ HUMAN/ TIME FACTORS

Ciba Found Symp

4404. Functions of the septo-hippocampal system. Final general discussion. Ciba Found Symp (58):407–28, 1977
ANIMAL/ BEHAVIOR, ANIMAL, physiology/ BRAIN MAPPING/ BRAIN STEM, physiology/ CEREBRAL CORTEX, physiology/ COGNITION, physiology/ DISCRIMINATION LEARNING, physiology/ ELECTRIC STIMULATION/ *HIPPOCAMPUS, physiology/ HUMAN/ HYPOTHALAMUS, physiology/ NEURAL PATHWAYS, physiology/ NEURONS, physiology/ ORIENTATION, physiology/ RETENTION (PSYCHOLOGY), physiology/ *SEPTUM PELLUCIDUM, physiology/ SPACE PERCEPTION, physiology/ THALAMUS, physiology/ THETA RHYTHM

Clin Sci Mol Med

4405. Nomenclature of the renin-angiotensin system.
Clin Sci Mol Med 55 Suppl 4:113s–116s, Dec 78
*ANGIOTENSINS/ ENZYME PRECURSORS/ *NOMENCLATURE/ PEPTIDE FRAGMENTS/ PROTEIN PRECURSORS/ *RENIN

Drug Ther Bull

4406. The choice of a combined oral contraceptive.
Drug Ther Bull 17(1):1–4, 5 Jan 79
*CONTRACEPTIVES, ORAL/ CONTRACEPTIVES, ORAL, administration & dosage/ *CONTRACEPTIVES, ORAL, COMBINED/ CONTRACEPTIVES, ORAL, COMBINED, administration & dosage/ CONTRACEPTIVES, ORAL, COMBINED, adverse effects/ FEMALE/ HUMAN

4407. Continuous low-dose progestagen oral contraceptives.
Drug Ther Bull 17(1):4, 5 Jan 79
*CONTRACEPTIVES, ORAL/ *CONTRACEPTIVES, ORAL, SYNTHETIC/ FEMALE/ HUMAN/ *PROGESTATIONAL HORMONES, SYNTHETIC, pharmacodynamics

Gynaekol Rundsch

4408. Schweizerische Gesellschaft für Gynäkologie. Bericht über die Jahresversammlung, 22. bis 24. Juni 1978 in Biel.
Gynaekol Rundsch 18 Suppl 1:1–168, 1978 **(Ger, Fre)**
CONGRESSES/ FEMALE/ GYNECOLOGY/ HUMAN/ *LABOR, PREMATURE/ PERINATOLOGY/ PREGNANCY/ PROSTAGLANDIN ANTAGONISTS/ *PROSTAGLANDINS/ SOCIETIES, MEDICAL/ SWITZERLAND

Gynecol Obstet Invest

4409. Possibility of immunodiagnosis in ovarian cancer.
Gynecol Obstet Invest 9(2–3):98–108, 1978
ADULT/ ANTIBODIES, NEOPLASM/ ANTIGENIC DETERMINANTS/ *ANTIGENS, NEOPLASM, analysis/ FEMALE/ GEL DIFFUSION TESTS/ GLYCOPROTEINS, blood/ HUMAN/ *OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, immunology/ OVARY, embryology/ OVARY, immunology/ PREGNANCY

IARC Monogr Eval Carcinog Risk Chem Hum

4410. Polychlorinated biphenyls.
IARC Monogr Eval Carcinog Risk Chem Hum 18:41–103, Oct 78 (235 ref.)
ADIPOSE TISSUE, metabolism/ ANIMAL/ *CARCINOGENS/ CHEMISTRY/ DRUG CONTAMINATION/ EMBRYO, drug effects/ ENDOCRINE GLANDS, drug effects/ ENVIRONMENTAL POLLUTANTS/ FEMALE/ HUMAN/ IMMUNITY, drug effects/ LACTATION/ MATERNAL-FETAL EXCHANGE/ MILK,

metabolism/ MUTAGENS/ POLYCHLOROBIPHENYL COMPOUNDS, metabolism/ *POLYCHLOROBIPHENYL COMPOUNDS, pharmacodynamics/ POLYCHLOROBIPHENYL COMPOUNDS, toxicity/ PREGNANCY/ REPRODUCTION, drug effects/ REVIEW/ TERATOGENS

In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.

4411. Mechanism of localized bone loss. Selected abstracts. pp. 431–43.
In: Horton JE, et al., ed. Mechanisms of localized bone loss. Washington, Information Retrieval, 1978. WE 200 M486 1977.
ANIMAL/ BONE AND BONES, physiology/ BONE DISEASES, physiopathology/ *BONE RESORPTION/ HUMAN/ MONOGRAPH

J Membr Biol

4412. Epithelia as hormone and drug receptors. A tribute to H. H. Ussing, on the occasion of his sixty-fifth birthday.
J Membr Biol 40 Spec No:1–354, 1978
CONGRESSES/ *EPITHELIUM, physiology/ *RECEPTORS, DRUG, physiology/ *RECEPTORS, HORMONE, physiology/ SWITZERLAND

JAMA

4413. No panacea for pruritus and still much ignorance [news]
JAMA 241(10):980–1, 9 Mar 79
ADRENAL CORTEX HORMONES, therapeutic use/ CHOLESTYRAMINE, therapeutic use/ HUMAN/ MEDICAL HISTORY TAKING/ PRURITUS, diagnosis/ *PRURITUS, drug therapy/ PRURITUS, etiology

Jpn Circ J

4414. Nomenclature of the renin-angiotensin system. Jpn Circ J 42(8):1003–9, Aug 78
*ANGIOTENSINS/ CONGRESSES/ HYPERTENSION/ INTERNATIONAL COOPERATION/ *NOMENCLATURE/ *RENIN/ SOCIETIES, MEDICAL

Katilolehti

4415. Bromocriptin vid amenorré. Katilolehti 83(12):474–6, Dec 78 **(Swe)**
*AMENORRHEA, drug therapy/ FEMALE/ HUMAN/ PROLACTIN, antagonists & inhibitors/ PROLACTIN, blood/ *2-BROMOERGOCRYPTINE, therapeutic use

Klin Wochenschr

4416. Symposium: Renin-angiotensin-aldosterone system and hypertension. Klin Wochenschr 56 Suppl 1:1–191, 1978
*ALDOSTERONE, physiology/ *ANGIOTENSIN II, physiology/ ANIMAL/ CONGRESSES/ GERMANY, WEST/ HUMAN/ *HYPERTENSION, physiopathology/ *RENIN, physiology

4417. Nomenclature of the renin-angiotensin system. Report of the Nomenclature Committee of the International Society of Hypertension (ISH) on the occasion of the 5th meeting of the ISH in Paris, June 12—14, 1978. Klin Wochenschr 56 Suppl 1:187–90, 1978
ANGIOTENSIN I/ ANGIOTENSIN II/ *ANGIOTENSINS/ *NOMENCLATURE/ *RENIN

Lancet

4418. XY gonadal dysgenesis [editorial] Lancet 1(8106):27, 6 Jan 79
FEMALE/ HUMAN/ SEX CHROMOSOMES/ *TURNER'S SYNDROME/ TURNER'S SYNDROME, familial & genetic

4419. Lactase deficiency in osteoporosis [editorial] Lancet 1(8107):86, Jan 79
AGE FACTORS/ AGED/ CALCIUM, metabolism/ FEMALE/ HUMAN/ *HYPOCALCEMIA, complications/ *LACTOSE INTOLERANCE, complications/ MENOPAUSE/ MIDDLE AGE/ *OSTEOPOROSIS, etiology

4420. Good memories or mere sieves? [editorial] Lancet 1(8113):418–9, 24 Feb 79
AGED/ ANIMAL/ CHOLINE, therapeutic use/ CLINICAL RESEARCH/ HUMAN/ MALE/ *MEMORY DISORDERS, drug therapy/ MEMORY, drug effects/ *MEMORY, physiology/ MEMORY, SHORT-TERM, physiology/ MIDDLE AGE/ RATS/ VASOPRESSINS, therapeutic use

4421. Bernard Laurence Pimstone. Lancet 1(8113):451, 24 Feb 79
CURRENT BIOG-OBIT/ ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ SOUTH AFRICA

4422. Alternate-day versus intermittent prednisone in frequently relapsing nephrotic syndrome. A report of 'Arbetsgemeinschaft für Pädiatrische Nephrologie'. Lancet 1(8113):401–3, 24 Feb 79
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DRUG ADMINISTRATION SCHEDULE/ DRUG EVALUATION/ FEMALE/ GERMANY, WEST/ HUMAN/ INTERNATIONAL COOPERATION/ MALE/ *NEPHROTIC SYNDROME, drug therapy/ *PREDNISONE, administration & dosage/ PROSPECTIVE STUDIES/ RANDOM ALLOCATION/ RECURRENCE/ REMISSION/ SWITZERLAND/ TIME FACTORS

4423. Treatment of hereditary angiooedema [editorial] Lancet 1(8113):417, 24 Feb 79
*ANGIONEUROTIC EDEMA, drug therapy/ ANGIONEUROTIC EDEMA, etiology/ ANGIONEUROTIC EDEMA, familial & genetic/ COMPLEMENT 1 INACTIVATORS, biosynthesis/ COMPLEMENT 1 INACTIVATORS, deficiency/ *DANAZOL, therapeutic use/ HUMAN/ *PREGNADIENES, therapeutic use/ STIMULATION, CHEMICAL

Langenbecks Arch Chir

4424. Rundgespräch: Chirurgie der Hyperthyreose.
Langenbecks Arch Chir 347:157–8, Nov 78 **(Ger)**
FOLLOW-UP STUDIES/ HUMAN/ HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, drug therapy/ *HYPERTHYROIDISM, surgery/ THYROID ANTAGONISTS, therapeutic use/ THYROID FUNCTION TESTS

Med J Aust

4425. Prevention of birth defects. Med J Aust 2(8):378–9, 382, 7 Oct 78
*ABNORMALITIES, prevention & control/ ALPHA FETOPROTEINS, metabolism/ *AMNIOCENTESIS/ DOWN'S SYNDROME, diagnosis/ FEMALE/ GENETIC COUNSELING/ HUMAN/ NEURAL TUBE DEFECTS, diagnosis/ PREGNANCY/ RISK/ SEX DETERMINATION

4426. Bromocriptine [editorial] Med J Aust 2(10):473, 4 Nov 78
ACROMEGALY, drug therapy/ FEMALE/ HUMAN/ PARKINSON DISEASE, drug therapy/ PREGNANCY/ PROLACTIN, blood/ 2-BROMOERGOCRYPTINE, adverse effects/ *2-BROMOERGOCRYPTINE, therapeutic use

Med Lett Drugs Ther

4427. One more topical corticosteroid. Med Lett Drugs Ther 20(25):112, 15 Dec 78
ADMINISTRATION, TOPICAL/ *BETAMETHASONE, analogs & derivatives/ BETAMETHASONE, administration & dosage/ BETAMETHASONE, therapeutic use/ COMPARATIVE STUDY/ HUMAN/ *SKIN DISEASES, drug therapy

4428. Update: drugs in breast milk. Med Lett Drugs Ther 21(5):21–4, 9 Mar 79
ALCOHOL, ETHYL, metabolism/ ANTI-INFECTIVE AGENTS, metabolism/ ANTICOAGULANTS, metabolism/ ANTICONVULSANTS, metabolism/ ANTIHYPERTENSIVE AGENTS, metabolism/ *DRUGS, metabolism/ FEMALE/ HORMONES, metabolism/ HUMAN/ HYPNOTICS AND SEDATIVES, metabolism/ INFANT/ *MILK, HUMAN, metabolism/ NARCOTICS, metabolism/ PREGNANCY/ PSYCHOTROPIC DRUGS, metabolism/ THYROID ANTAGONISTS, metabolism

Med Welt

4429. Medizin und Recht- Umfang der Aufklärungspflicht bei Strumektomie. Med Welt 30(5):17-8, 2 Feb 79 (Ger)
GERMANY, WEST/ *GOITER, surgery/ *INFORMED CONSENT/ JURISPRUDENCE/ *TRUTH DISCLOSURE

Minerva Dietol Gastroenterol

4430. Trattamento delle varici esofagee sanguinanti. Minerva Dietol Gastroenterol 24(1):77-8, Jan-Mar 78 (Ita)
CATHETERIZATION/ ESOPHAGEAL VARICES, drug therapy/ ESOPHAGEAL VARICES, surgery/ HEMORRHAGE, GASTROINTESTINAL, drug therapy/ HEMORRHAGE, GASTROINTESTINAL, surgery/ HUMAN/ *VASOPRESSINS, therapeutic use

Minerva Med

4431. Perche' all'abbassamento dei livelli testosteronici si accompagna una riduzione di coronaropatie? Minerva Med 69(59):XV, 1 Dec 78 (Ita)
AGE FACTORS/ AGED/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *MYOCARDIAL INFARCTION, etiology/ MYOCARDIAL INFARCTION, physiopathology/ SEX HORMONES, physiology

MMW

4432. Releasing-Hormone: ein Ausblick. MMW 121(4):121, 26 Jan 79 (Ger)
HUMAN/ *PITUITARY HORMONE RELEASING HORMONES/ PITUITARY HORMONE RELEASING HORMONES, diagnostic use/ PITUITARY HORMONE RELEASING HORMONES, therapeutic use/ PROSPECTIVE STUDIES

4433. Platin in der Tumortherapie. MMW 121(4):119, 26 Jan 79 (Ger)
CYCLOPHOSPHAMIDE, therapeutic use/ DOXORUBICIN, therapeutic use/ DRUG THERAPY, COMBINATION/ KIDNEY, drug effects/ *OVARIAN NEOPLASMS, drug therapy/ PLATINUM, adverse effects/ *PLATINUM, therapeutic use/ *TESTICULAR NEOPLASMS, drug therapy

4434. Hitzewallungen in der Menopause, Hyperthyrose oder Karzinoid? MMW 121(4):122, 26 Jan 79 (Ger)
ADULT/ ASCARIS/ *CARCINOID TUMOR, diagnosis/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ DIARRHEA, etiology/ FECES, parasitology/ FEMALE/ HEAT/ HUMAN/ HYPERTHYROIDISM, diagnosis/ MENOPAUSE

4435. Endogene Depression, organisches Psychosyndrom oder Hypothyrose? MMW 121(5):28, 2 Feb 79 (Ger)
AGED/ DEPRESSION, REACTIVE, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, diagnosis/ PSYCHOSES, ORGANIC, diagnosis/ SUICIDE, ATTEMPTED, psychology

Mod Vet Pract

4436. Dietary supplements for dogs. Mod Vet Pract 59(10):792-3, Oct 78
ANIMAL FEED/ ANIMAL/ *DIET/ DOG DISEASES, diet therapy/ *DOGS/ DOGS, growth & development/ FEMALE/ LACTATION/ MALE/ MINERALS, administration & dosage/ PREGNANCY/ VITAMINS, administration & dosage

N Engl J Med

4437. Case 38-1978 [letter] N Engl J Med 300(5):262-3, 1 Feb 79
ADENOCARCINOMA, complications/ ADENOMA, CHROMOPHOBE, diagnosis/ CASE REPORT/ HUMAN/ LUNG NEOPLASMS, complications/ MALE/ *OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC, diagnosis/ OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC, etiology/ THYROXINE BINDING PROTEIN, deficiency

4438. Serum 1,25-dihydroxyvitamin D in bone diseases [letter] N Engl J Med 300(8):434-5, 22 Feb 79
ADOLESCENCE/ ADULT/ ANIMAL/ *BONE DISEASES, blood/ *DIHYDROXYCHOLECALCIFEROLS, blood/ DIHYDROXYCHOLECALCIFEROLS, therapeutic use/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, blood/ PHOSPHATES, blood/ RATS/ RICKETS, blood/ RICKETS, drug therapy

4439. Case-control studies of estrogens and endometrial cancer [letter] N Engl J Med 300(9):495-7, 1 Mar 79
CLINICAL RESEARCH/ *ESTROGENS, adverse effects/ FEMALE/ HUMAN/ *UTERINE NEOPLASMS, chemically induced/ UTERINE NEOPLASMS, diagnosis

4440. Guidelines for the ethical, social and legal issues in prenatal diagnosis. A report from the Genetics Research Group of the Hastings Center, Institute of Society, Ethics and the Life Sciences. N Engl J Med 300(4):168-72, 25 Jan 79
ABORTION, INDUCED/ AMNIOCENTESIS, adverse effects/ AMNIOCENTESIS, methods/ DECISION MAKING/ DIAGNOSTIC ERRORS/ ETHICS/ ETHICS, MEDICAL/ FALSE NEGATIVE REACTIONS/ FALSE POSITIVE REACTIONS/ FEMALE/ FETAL HEMOGLOBIN, analysis/ FETOSCOPY/ HUMAN/ INFANT, NEWBORN/ LEGISLATION, MEDICAL/ MALE/ MORALS/ PREGNANCY/ *PRENATAL DIAGNOSIS/ PRENATAL DIAGNOSIS, economics/ PRIVILEGED COMMUNICATION/ RISK/ SAFETY/ SEX DETERMINATION/ SOCIOECONOMIC FACTORS/ UNITED STATES

4441. Female sexual activity at ovulation [letter] N Engl J Med 300(11):626-7, 15 Mar 79
FEMALE/ HUMAN/ *OVULATION/ *SEX BEHAVIOR, physiology

4442. Prolactin-secreting tumors and hypogonadism in men [letter] N Engl J Med 300(10):563-4, 8 Mar 79
ANIMAL/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ HYPOGONADISM, blood/ *HYPOGONADISM, prevention & control/ IMPOTENCE, prevention & control/ LIBIDO, drug effects/ LH, blood/ MALE/ NALOXONE, pharmacodynamics/ NALOXONE, therapeutic use/ *PITUITARY NEOPLASMS, physiopathology/ PROLACTIN, blood/ *PROLACTIN, secretion/ RATS/ TESTOSTERONE, blood/ 2-BROMOERGOCRYPTINE, pharmacodynamics/ 2-BROMOERGOCRYPTINE, therapeutic use

4443. Increased glomerular filtration in burned patients [letter] N Engl J Med 300(12):680, 22 Mar 79
ADULT/ BURNS, blood/ *BURNS, physiopathology/ FEMALE/ *GLOMERULAR FILTRATION RATE/ GLOMERULAR FILTRATION RATE, drug effects/ GLUCAGON, blood/ *GLUCAGON, physiology/ HUMAN/ PROSTAGLANDIN ANTAGONISTS, pharmacodynamics/ PROSTAGLANDINS, blood/ *PROSTAGLANDINS, physiology

4444. Therapy of advanced ovarian carcinoma [letter] N Engl J Med 300(12):676-7, 22 Mar 79
*ANTINEOPLASTIC AGENTS, administration & dosage/ ANTINEOPLASTIC AGENTS, therapeutic use/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ *OVARIAN NEOPLASMS, drug therapy

Pediatr Nurs

4445. Pediatric management problems (hyperkalemia with hyponatremia). Pediatr Nurs 5(1):59, Jan-Feb 79
*ALDOSTERONE, deficiency/ CASE REPORT/ HUMAN/ HYPERKALEMIA, etiology/ HYPONATREMIA, etiology/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, diagnosis/ MALE/ *NURSING CARE/ *NURSING DIAGNOSIS/ VOMITING, etiology

Perspect Biol Med

4446. Dwight J. Ingle (1907--1978). Perspect Biol Med 22(1):1-2, Autumn 78
CURRENT BIOG-OBIT/ ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ PERIODICALS, history/ UNITED STATES

Popul Rep [A]

4447. OCs--update on usage, safety, and side effects. Popul Rep [A] (5):A133-86, Jan 79
ADOLESCENCE/ ADULT/ COMMERCE/ *CONTRACEPTIVES, ORAL/ CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, supply & distribution/ FAMILY PLANNING/ FEMALE/ HUMAN/ NEOPLASMS, chemically induced/ PHARMACIES/ RISK/ SMOKING, complications/ VASCULAR DISEASES, chemically induced/ VASCULAR DISEASES, mortality

Postgrad Med J

4448. The role of progestogens in peri- and post-menopausal hormone replacement therapy. Postgrad Med J 54(2):1-100, 1978
*CLIMACTERIC, drug effects/ CONGRESSES/ ENGLAND/ FEMALE/ HUMAN/ MIDDLE AGE/ *PROGESTATIONAL HORMONES, therapeutic use

S Afr Med J

4449. Borskanker. S Afr Med J 54(10):379, 2 Sep 78 **(Afr)**
*BREAST NEOPLASMS, therapy/ FEMALE/ HUMAN/ RECEPTORS, ESTROGEN, metabolism

4450. Kalsiummetabolisme. S Afr Med J 54(14):551, 30 Sep 78 **(Afr)**
CALCITONIN, metabolism/ *CALCIUM, metabolism/ HUMAN/ HYDROXYCHOLECALCIFEROLS, metabolism/ PARATHYROID HORMONE, metabolism

4451. Steroid contraception and the risk of neoplasia [editorial] S Afr Med J 54(19):763-4, 4 Nov 78 **(eng)**
*CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ FEMALE/ HUMAN/ *NEOPLASMS, chemically induced

Sangre (Barc)

4452. Resultados de la asociación CAP en el tratamiento de los linfomas no hodgkinianos en estadios III y IV. A propósito de cincuenta casos. Sangre (Barc) 23(6):840-6, 1978 (Eng. Abstr.) **(Spa)**
CLINICAL RESEARCH/ *CYCLOPHOSPHAMIDE, therapeutic use/ *DOXORUBICIN, therapeutic use/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ HUMAN/ *LYMPHOMA, drug therapy/ *PREDNISONE, therapeutic use

Verh Dtsch Ges Inn Med

4453. Einige Schwerpunkte der internistischen und neurologischen Differentialdiagnostik mit den allgemeinen klinischen Untersuchungsmethoden. Paraneoplastisch, immunologisch und endokrinologisch bedingte Muskelschwächen. Verh Dtsch Ges Inn Med (84):888-97, 1978 **(Ger)**
ACID-BASE IMBALANCE, complications/ AUTOANTIBODIES/ CATHARTICS, adverse effects/ DRUG ABUSE/ GLUCOCORTICOIDS, SYNTHETIC, adverse effects/ HUMAN/ LITHIUM, adverse effects/ LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ *MUSCLE HYPOTONIA, diagnosis/ MUSCLES, immunology/ MYASTHENIA GRAVIS, complications/ PARALYSIS, chemically induced/ POTASSIUM, blood/ THYROID GLAND, immunology

A

A-23187: 663, 919, 1214, 1583, 2146, 2662, 2752, 3337, 3471, 3663, 4185
ABDOMEN: 1739, 3554, 4147, 4252
ABDOMEN, ACUTE: 215, 2177
ABDOMINAL INJURIES: 1083
ABDOMINAL NEOPLASMS: 694, 1765, 2606, 2981, 3267
ABDOMINAL WALL: 2020, 2150, 2892
ABNORMALITIES: 1518, 2148, 2501, 2872, 3414, 4399, 4425
ABNORMALITIES, DRUG-INDUCED: 473, 743, 1168, 1518, 1733, 2390, 2548, 3499, 3849
ABNORMALITIES, MULTIPLE: 41, 50, 743, 1371, 1518, 2020, 2350, 2591, 2781, 2892, 2975, 3375, 3414, 3849, 3995, 4207
ABNORMALITIES, RADIATION-INDUCED: 1518, 1635
ABO BLOOD-GROUP SYSTEM: 247, 2868, 3989
ABORTION: 356, 473, 505, 586, 752, 914, 1270, 1445, 3499, 3512, 4399
ABORTION, HABITUAL: 83, 834
ABORTION, INDUCED: 314, 480, 501, 1399, 1411, 1589, 3380, 3442, 3490, 3512, 4440
ABORTION, LEGAL: 3391
ABORTION, MISSED: 1964, 4135
ABORTION, THERAPEUTIC: 1014, 2554
ABORTION, THREATENED: 841, 914, 3220
ABORTION, VETERINARY: 3568
ABRUPTIO PLACENTAE: 2675
ABSCESS: 1142, 1166, 2057, 2136, 2327, 3044, 3599, 3709, 3969, 4135
ABSORPTION: 628, 837, 926, 1109, 1480, 1828, 2149, 3099, 3712, 4047, 4174
ACCIDENTS, TRAFFIC: 3781
ACCLIMATIZATION: 425, 2077
ACEBUTOLOL: 2451
ACETABULARIA: 412
ACETALDEHYDE: 1734
ACETAMINOPHEN: 2929
ACETATES: 312, 1049, 1734, 1770, 1848, 2493, 2744, 2985, 3904, 4238
ACETAZOLAMIDE: 1149, 1571, 2252
ACETIC ACIDS: 81, 2587
ACETOACETATES: 4238
ACETOPHENONES: 2199
ACETYL COA ACETYLTRANSFERASE: 3230
ACETYL COA CARBOXYLASE: 608, 1432
ACETYL COA HYDROLASE: 2700
ACETYLAMINOFLUORENE: 3615
ACETYLATION: 2451
ACETYLCHOLINE: 52, 62, 301, 772, 792, 977, 1100, 1527, 1628, 1709, 1779, 1786, 1810, 1812, 1880, 1908, 1917, 2345, 2760, 2885, 3070, 3123, 3155-3156, 3246, 3382, 3394, 3516, 3544, 3679, 3716, 3746, 3914, 3938, 4229, 4311, 4366
ACETYLCHOLINESTERASE: 69, 772, 1031, 2184, 2544, 2794, 3746
ACETYLSEROTONIN METHYLTRANSFERASE: 166, 176
ACETYLTRANSFERASES: 1651, 1847, 2634, 2700, 2766, 3252, 4362-4363
ACHLORHYDRIA: 292
ACHONDROPLASIA: 1518
ACID-BASE EQUILIBRIUM: 100, 1548, 3326, 4092, 4294
ACID-BASE IMBALANCE: 4453
ACID PHOSPHATASE: 250, 413, 551, 2323, 2929, 2965, 3513, 4092, 4323, 4377
ACIDOSIS: 1138, 1250-1251, 1910, 1930, 3326, 4282
ACIDOSIS, DIABETIC: 3331, 4133
ACIDOSIS, RENAL TUBULAR: 66, 3326
ACIDOSIS, RESPIRATORY: 2045
ACNE: 464, 1076, 1263, 1428, 1561, 1963, 2509, 2773, 2886
ACONITINE: 2528
ACOUSTIC STIMULATION: 114, 2521
ACRODERMATITIS: 3916
ACROMEGALY: 58, 829, 1401, 1415, 1465, 2113, 2175, 2481, 2569, 3043, 3240, 3429, 3631, 3685, 3948, 4273, 4426
ACROSOME: 695
ACRYLAMIDES: 3444
ACRYLONITRILE: 3383
ACTIN: 19, 455, 845, 2266
ACTING OUT: 690, 2555
ACTINOMYCES: 4227
ACTINOMYCETACEAE: 989
ACTINOMYCIN: 2308, 3212
ACTION POTENTIALS: 80, 94, 544, 685, 704, 760, 968, 1305, 1795, 1819, 1917, 2114, 2206, 2682, 2749, 2752, 2834, 3156, 3912
ACTIVATION ANALYSIS: 4350
ACTOMYOSIN: 361, 1809, 2266
ACUPUNCTURE: 3720, 4176, 4187, 4194
ACUTE DISEASE: 63, 576, 659, 757, 807, 861, 997, 1019, 1126, 1174, 1405, 1423, 2372, 2414, 2478, 2564, 2653, 2669, 2683, 2998, 3217, 3233, 3524, 3643, 3879, 3958, 4401, 4403
ACYL COENZYME A: 2717
ACYLTRANSFERASES: 2764
ADAPTATION, OCULAR: 878
ADAPTATION, PHYSIOLOGICAL: 423, 1000, 1361, 1474, 1877, 2348, 2440, 2935, 2980, 3206, 3237, 3400, 3539, 3620, 3971
ADAPTATION, PSYCHOLOGICAL: 686, 1126, 1245, 2348
ADDISON'S DISEASE: 297, 369, 427, 1041, 1052, 1088, 1370, 2653, 2687, 3043, 3584
ADENINE: 1728
ADENINE NUCLEOTIDES: 1815, 2100, 2953, 3341, 4052
ADENOCARCINOMA: 73, 127, 222, 397, 535, 588, 675, 692, 779, 801, 818, 853, 868, 1156, 1222, 1276, 1575, 1967, 2059, 2096, 2099, 2400, 2606, 2977, 3022, 3194, 3313, 3335, 3357, 3395, 3462, 3484, 3513, 3726, 3812, 3854-3858, 4022, 4394, 4437
ADENOCARCINOMA, PAPILLARY: 868, 3743, 3932, 3968
ADENOFIBROMA: 1670, 1826, 3956
ADENOMA: 64, 253, 256, 276, 297, 352, 457, 600, 722, 796, 829, 856, 863, 949, 1243, 1483, 1491, 1515, 1879, 2113, 2119, 2143, 2147, 2293, 2346, 2352, 2458, 2557, 2615, 2646, 2693, 2731, 2761, 2831, 2958, 3000, 3029, 3039, 3171, 3174, 3196, 3420, 3441, 3452, 3515, 3610, 3650, 3684, 3725, 3792, 3889, 3935, 3945, 3966, 3975, 4045, 4081, 4116, 4202, 4236
ADENOMA, CHROMOPHOBE: 1026, 1464, 2644, 2712, 3278, 3480, 3966, 4437
ADENOMA, EOSINOPHILIC: 1401, 2712
ADENOMA, VIRILIZING: 1317
ADENOMATOSIS, FAMILIAL ENDOCRINE: 740, 3440
ADENOSINE: 101, 388, 951, 1105, 1768, 2345, 2827, 3333, 3341, 3386, 3745, 4052, 4277, 4367
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE: 19, 21, 52, 57, 75, 80, 92, 99, 113, 124, 145, 202, 224, 291, 299-300, 329, 421-422, 445-446, 462, 468, 510, 559, 577, 614, 616, 664, 699, 703, 712, 714, 729, 775, 798, 815, 820, 823, 861, 870, 872, 896, 906, 908, 911-912, 918, 951, 956, 993, 1078, 1080, 1082, 1103, 1120, 1146, 1180, 1196, 1208-1209, 1214, 1298-1300, 1305, 1323, 1328, 1334, 1351-1352, 1377-1378, 1407, 1424, 1435, 1440, 1451, 1454, 1466, 1528, 1530, 1536, 1550, 1581, 1584, 1676, 1703, 1718, 1728, 1745, 1747, 1760, 1795-1796, 1799, 1805-1806, 1810-1813, 1819, 1831, 1852, 1878, 1880, 1882, 1884, 1887, 1907, 1909-1910, 1951, 1953-1954, 1983, 1996, 2014, 2041, 2046-2047, 2061, 2068, 2090, 2098, 2120, 2146, 2151, 2162, 2167, 2170, 2213, 2239, 2252, 2274-2275, 2290, 2303, 2305, 2323, 2326, 2351, 2365, 2382, 2401, 2403, 2411, 2423, 2446, 2454, 2493, 2511, 2603, 2646, 2657, 2662, 2686, 2698, 2701, 2709, 2726, 2734, 2739, 2758, 2764, 2786-2787, 2808, 2817, 2824, 2827, 2834, 2850-2852, 2855, 2867, 2882, 2884, 2902, 2908, 2944, 3013, 3024, 3041, 3051, 3098, 3122, 3195, 3218, 3264, 3285, 3321, 3333, 3386, 3395, 3411, 3416, 3423, 3443, 3487, 3544-3545, 3553, 3619, 3651, 3663, 3666, 3714, 3726-3727, 3733, 3761, 3771, 3786, 3803, 3813, 3832, 3863, 3893, 3911, 3921-3922, 3946, 3949, 3993, 4001, 4023, 4052, 4089, 4091, 4102, 4119, 4138, 4158, 4160, 4194, 4252, 4259, 4266, 4312, 4334, 4365, 4375, 4380
ADENOSINE DEAMINASE: 101, 212, 2162, 4323
ADENOSINE DIPHOSPHATE: 51, 446, 1189, 1224, 1299, 1435, 2139, 2493, 2827, 2923, 2963, 3032
ADENOSINE KINASE: 101, 1372
ADENOSINE MONOPHOSPHATE: 101, 445, 607, 908, 1640, 2493, 2789, 2827, 3727
ADENOSINE TRIPHOSPHATASE: 250, 602, 1577, 1695, 2161, 2184, 2266, 2953, 2965, 2984, 3167, 3537, 4157, 4377
ADENOSINE TRIPHOSPHATASE, CALCIUM: 33, 216, 1031, 2231, 2242, 3803
ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM: 992, 1474, 1697, 2894, 2933, 3301, 3466, 3546, 4252
ADENOSINE TRIPHOSPHATE: 51, 72, 360-361, 455, 607, 943, 981, 1209, 1366, 1385, 1440, 1577, 1643, 1719, 1728, 1768, 1907, 1910, 2013, 2323, 2345, 2448, 2493, 2824, 2827, 2834, 2867, 2902, 2953, 2963, 3040, 3286, 3524, 3671, 3757, 3894, 3920, 3993
S-ADENOSYLHOMOCYSTEINE: 3333, 4380
S-ADENOSYLMETHIONINE: 148, 4380
S-ADENOSYLMETHIONINE DECARBOXYLASE: 96
ADENOVIRUS INFECTIONS: 500, 3564
ADENOVIRUSES: 500, 3564
ADENYL CYCLASE: 27-28, 72, 89, 92, 145, 149, 154, 293, 388, 399, 429, 466, 514, 523, 613, 655, 684, 703, 911-912, 981, 1183, 1358, 1366, 1421, 1440, 1520, 1525, 1557, 1609, 1642, 1664, 1701, 1719, 1747, 1768, 1878, 1909, 1958, 1981, 2014, 2046, 2102, 2170, 2217, 2299, 2448, 2520, 2573, 2605, 2625, 2698, 2772, 2850, 2965, 3006, 3094, 3110, 3221, 3264, 3286, 3322, 3334, 3466, 3487, 3526, 3544, 3582, 3587-3590, 3668, 3770-3771, 3802, 3806, 4023, 4128, 4140-4141, 4219, 4277, 4293, 4342, 4381
ADENYLATE KINASE: 2932
ADHESIONS: 687
ADHESIVENESS: 4227
ADIPOSE TISSUE: 113, 246, 415, 472, 795, 1104, 1239, 1853, 1875, 1939, 2146, 2234, 2275, 2625, 2717, 2764, 2792, 2851, 3059-3060, 3437, 3466, 3620, 3692, 4410
ADJUVANTS, IMMUNOLOGIC: 4327
ADMINISTRATION, INTRANASAL: 336, 1174, 1426-1427, 1535
ADMINISTRATION, ORAL: 503, 681, 731, 791, 986, 994, 1254, 1285, 1381, 1510, 2096, 2165, 2559, 2600, 2858, 2947, 3002, 3034, 3296, 3300, 3501, 3708, 4154, 4256, 4299
ADMINISTRATION, TOPICAL: 434, 644, 1262, 1428, 1534, 1565, 1822, 1963, 2105, 2708, 2773-2774, 2924, 3426, 3782, 3895, 4119, 4343, 4427
ADNEXA UTERI: 2421, 2713
ADNEXAL DISEASES: 687, 1166
ADNEXITIS: 550, 1257, 2541, 3580
ADOLESCENCE: 3, 7, 84, 102, 109, 116, 122, 129, 132, 140, 143, 156, 175, 193, 195, 238, 265, 283, 287, 290, 303, 308, 318, 320, 324, 340, 345-346, 359, 368, 371, 376-377, 384, 393, 398, 428, 464-465, 479, 483, 505, 512, 523, 525, 530, 552, 560, 565, 571, 582, 593, 595, 628, 650, 667, 690, 694, 697, 702, 710, 723, 734-735, 741, 744, 764, 791, 794, 799, 809, 821, 840, 855, 861, 868, 885, 900, 915, 944, 958, 962-963, 991, 1004, 1007, 1010, 1022, 1038, 1046-1047, 1057, 1060, 1069, 1079, 1091, 1095, 1098, 1111, 1116, 1139, 1150, 1165, 1167, 1172, 1177-1178, 1195, 1197, 1215, 1224, 1234, 1245, 1262-1263, 1282, 1317-1319, 1336, 1339, 1341, 1348, 1370, 1382, 1384, 1405, 1407, 1414-1415, 1423, 1449, 1513-1514, 1516, 1522, 1535, 1544, 1547, 1552, 1555, 1561, 1565, 1589, 1595, 1610-1611, 1626, 1632, 1644, 1659, 1671, 1683, 1689, 1717, 1727, 1729, 1732, 1736, 1738, 1753, 1785, 1793, 1798, 1804, 1814, 1820, 1858, 1862, 1872, 1876, 1897, 1915, 1927, 1938, 1940-1941, 1966, 1968, 1992, 2000-2001, 2006, 2011, 2026, 2031, 2057, 2067, 2072, 2091, 2117, 2137-2138, 2143, 2165-2166, 2196, 2262, 2268-2269, 2289, 2298, 2318, 2329, 2339, 2362, 2368, 2386, 2397, 2399, 2404, 2429, 2436, 2440, 2442, 2459, 2469, 2482-2483, 2487, 2505-2506, 2525, 2538, 2540, 2545, 2554-2555, 2557, 2563, 2566, 2569, 2596, 2623, 2637-2638, 2641, 2669, 2672, 2676, 2693, 2707, 2712, 2721, 2730, 2733, 2768, 2775, 2779, 2781, 2792, 2804, 2819, 2846, 2863, 2886, 2892, 2896, 2900, 2920, 2925, 2990-2992, 3016, 3029, 3049, 3054, 3065, 3068, 3084-3085, 3120, 3136-3137, 3145-3146, 3152, 3171, 3197, 3204-3205, 3214, 3240, 3247, 3251, 3267, 3272, 3297, 3299, 3307, 3314, 3318, 3327, 3354, 3359, 3396, 3406-3408, 3415, 3426, 3431, 3440, 3445, 3494, 3520, 3531-3532, 3554, 3608,

3613, 3618, 3622, 3629–3630, 3633, 3645, 3657, 3660–3661, 3667, 3689, 3696, 3713, 3717, 3736, 3738, 3749, 3752, 3772, 3781, 3783, 3787, 3797, 3806, 3817, 3836, 3845, 3848, 3854, 3859, 3864, 3886, 3902, 3935, 3957–3959, 3966, 3991, 4016, 4021, 4027, 4042, 4048, 4055, 4076, 4081, 4104, 4113, 4127, 4130, 4132–4133, 4149–4150, 4168, 4177, 4179–4180, 4194, 4196, 4199, 4205, 4228, 4230, 4246–4247, 4262, 4268, 4280, 4310, 4324, 4338, 4376, 4387, 4398, 4422, 4438, 4447
ADOLESCENT PSYCHOLOGY: 1968, 2555, 4180
ADRENAL CORTEX: 34, 284, 354, 426, 438, 573, 693, 695, 833, 862, 887, 923, 927, 1273, 1289, 1365, 1397, 1439, 1546, 1581, 1653, 1761, 1784, 1936, 1941, 2089, 2186, 2230, 2316, 2320, 2372, 2440, 2460, 2577, 2672, 2709, 2951, 3074, 3145, 3245, 3253, 3545, 3584, 3845, 3886, 4036, 4132
ADRENAL CORTEX DISEASES: 55, 4099
ADRENAL CORTEX FUNCTION TESTS: 904, 1134, 2440, 3323, 3886, 4161
ADRENAL CORTEX HORMONES: 24, 63, 212, 271, 321, 373, 389, 413, 431–432, 437, 467, 494, 558, 596, 644, 709, 756, 806, 826, 834, 855, 980, 996, 1023, 1066, 1069, 1076, 1089, 1091, 1232, 1282, 1383, 1405, 1414, 1439, 1449, 1547, 1566, 1623, 1752, 1800, 1822, 1831, 1857, 1862, 1941, 1961, 1963, 2077, 2108–2109, 2136, 2144, 2221, 2318, 2338, 2356, 2584, 2602, 2616, 2668, 2705, 2769, 2773–2774, 2804, 2836, 2851, 2924, 2979, 3011, 3020, 3208, 3232–3233, 3261, 3282, 3403, 3439, 3502, 3586, 3702, 3755, 3765, 3781, 3913, 3916, 3955, 3981, 4025, 4246, 4343–4344, 4413
ADRENAL CORTEX NEOPLASMS: 253, 856, 1377, 2357, 3000, 3772, 4356
ADRENAL GLAND DISEASES: 1058, 1318, 1552, 1563, 2012, 3473, 3606
ADRENAL GLAND HYPERFUNCTION: 238, 436, 1213, 2261, 2508, 2983, 4127, 4314, 4392
ADRENAL GLAND HYPOFUNCTION: 12, 55, 116, 272, 369, 563, 875, 1029, 1915, 2746, 3713, 4099
ADRENAL GLAND NEOPLASMS: 40, 64, 276, 352, 497, 694, 740, 818–819, 1027, 1046–1047, 1231, 1267, 1317, 1406, 1515, 1552, 1563, 1632, 1739, 1978, 2012, 2071, 2241, 2615, 2641, 2691, 2699, 2816, 2968, 3106, 3214, 3610, 3638, 3836, 3999, 4041, 4147, 4196
ADRENAL GLANDS: 84, 87, 135–136, 238, 425–426, 437, 469, 471, 566, 713, 747, 787, 833, 836, 862, 911–912, 1062, 1083, 1110, 1114, 1253, 1317, 1444, 1450, 1502, 1515–1516, 1579, 1653, 1684, 1709, 1774, 1857, 1865, 1904, 1984, 2012, 2015, 2045, 2073, 2075, 2111–2112, 2182, 2332, 2354, 2409, 2455, 2490, 2519, 2725, 2811, 2941, 2944, 2961, 2980, 3107, 3180, 3322, 3345, 3370, 3394, 3486, 3565, 3568, 3578, 3586, 3610, 3628, 3679, 3744, 3798, 3882, 3906, 3974, 3982, 3985, 4008, 4206, 4295, 4299, 4311
ADRENAL MEDULLA: 167, 364, 366, 486, 688, 719, 817, 1157, 1542, 1613, 1714, 1917, 2186, 2325, 2890, 3001, 3040, 3394, 3456, 3473, 3516, 3544, 3704, 3894, 4312, 4347
ADRENALECTOMY: 10, 87, 136, 238, 594, 856, 867, 923, 992, 1114, 1149, 1474, 1558, 1566, 1578–1579, 1600, 1652, 1734, 1789, 1893, 1974, 1980, 2010, 2032, 2204, 2291, 2311, 2349, 2631, 2732, 2934, 2941, 2968, 3000, 3034, 3059–3060, 3106–3107, 3486, 3497, 3568, 3586, 3610, 3897, 3988, 4018, 4095, 4116, 4146, 4164, 4251, 4351
ADRENERGIC ALPHA RECEPTOR AGONISTS: 1196, 1438, 1530, 3073, 3786, 3840
ADRENERGIC ALPHA RECEPTOR BLOCKADERS: 347, 452, 497, 775, 1719, 2364, 2852, 2887, 3073, 3432, 4366
ADRENERGIC BETA RECEPTOR AGONISTS: 1438, 1530, 2170, 3073, 3786
ADRENERGIC BETA RECEPTOR BLOCKADERS: 285, 347, 486, 775, 1116, 1458, 1525, 2381, 2520, 2581, 2955, 3073, 3130, 3411, 3432
ADRENERGIC FIBERS: 435, 537, 637, 817, 1706, 2345, 3003, 3881
ADRENODOXIN: 1546, 2577
ADRENOGENITAL SYNDROME: 1563, 1762, 1942, 2261, 3015
ADSORPTION: 363, 576, 2575, 2779
ADULT: 3, 7, 9, 13, 15, 24, 30, 32, 45, 48–49, 55, 70, 83, 91, 95, 100, 102, 108–109, 111, 113, 116–117, 119, 122, 126, 132, 138, 140, 143, 148, 151–153, 156–157, 160, 162, 174–175, 179, 181, 189, 191, 193–196, 207, 214–215, 219, 222, 233, 238, 253, 265, 271, 276–277, 281, 283, 287, 290, 296, 308, 318–320, 342, 346, 356–357, 359, 365, 368–369, 376–377, 384–385, 393, 396–398, 406, 413, 420, 427–428, 439, 441, 450, 457, 461, 464–465, 469, 474, 476, 479, 481, 483, 487–488, 490, 497, 505, 520–521, 525, 529–530, 546, 549, 552, 560, 565, 580, 582–583, 587, 590, 598, 600, 604, 609, 627–628, 638, 645–646, 650, 653, 656, 659–660, 670, 676, 681, 694, 696–697, 702, 704, 707–708, 710, 712, 715, 718, 722–723, 728, 734–735, 739–740, 742, 744, 746, 764, 766, 769, 782, 786, 794, 797, 799, 801, 805, 809, 813–814, 816, 821, 826, 829–830, 834, 839–840, 850, 855, 857, 861, 876, 887, 894, 900, 902–903, 907, 944, 947, 949, 953, 957–958, 961–963, 973, 985, 996–997, 999, 1007, 1010–1013, 1018, 1022, 1038–1039, 1046–1048, 1051, 1056, 1059–1060, 1068–1069, 1074, 1085–1086, 1089, 1093, 1095, 1108, 1115–1116, 1119, 1126, 1130–1132, 1139, 1147, 1150, 1153, 1156, 1160, 1169, 1174, 1177–1178, 1180, 1192, 1197, 1201, 1205, 1215, 1224, 1229, 1231–1233, 1243, 1257, 1263, 1270–1271, 1282, 1285, 1290, 1318, 1321–1322, 1336, 1339, 1341, 1348, 1355, 1360, 1375, 1379, 1382, 1384, 1386, 1404–1405, 1408, 1411–1412, 1414–1415, 1422–1423, 1425–1427, 1430, 1443, 1449, 1452, 1460–1461, 1465, 1475, 1479–1480, 1490–1492, 1494, 1510–1511, 1513–1515, 1522, 1533, 1544, 1547, 1549, 1552–1553, 1555, 1580, 1582, 1585–1586, 1589, 1596, 1610–1611, 1615, 1629, 1645–1646, 1659, 1669, 1671–1673, 1677–1678, 1700, 1712, 1717, 1727, 1732, 1736, 1738–1739, 1743, 1749, 1753, 1757, 1765, 1773, 1785, 1793, 1797–1798, 1804, 1807, 1809, 1813, 1820–1821, 1826, 1831–1832, 1840, 1846, 1855, 1858, 1862, 1864, 1872, 1876, 1888, 1915–1916, 1918–1919, 1926, 1938, 1944–1945, 1952, 1961–1962, 1966, 1977–1978, 1985, 1990, 1992, 2001, 2006, 2009, 2013, 2026, 2035–2036, 2042, 2045, 2057, 2060, 2067, 2070, 2072, 2074, 2078, 2086, 2091, 2093–2094, 2099, 2106, 2113, 2117–2118, 2125, 2131, 2136, 2138, 2143–2145, 2148, 2164–2166, 2168, 2173, 2175, 2177–2178, 2183, 2188, 2194, 2208, 2210, 2228, 2239, 2244, 2247, 2258, 2261, 2269, 2271, 2274, 2278, 2289, 2292, 2295, 2298, 2304, 2307, 2318, 2321, 2324, 2329, 2331, 2338–2339, 2344, 2346–2347, 2349, 2352, 2355, 2362, 2365, 2368, 2370, 2372, 2375, 2379, 2384, 2392, 2397, 2399–2400, 2404–2405, 2421, 2429–2431, 2435–2436, 2439–2440, 2451–2452, 2454, 2459, 2463, 2471, 2474, 2487, 2490–2491, 2498, 2500, 2505–2506, 2525, 2536, 2538, 2541, 2545, 2549, 2554, 2557–2558, 2563, 2566, 2569, 2583–2584, 2586, 2609, 2616, 2620–2621, 2623, 2627, 2637–2639, 2641–2642, 2646, 2659, 2664, 2666, 2668–2669, 2672, 2674, 2676, 2680, 2685, 2693, 2695–2696, 2704, 2707, 2712, 2714, 2718, 2720–2721, 2728, 2730, 2732–2733, 2737, 2741–2742, 2746, 2748, 2750–2751, 2757, 2759, 2761, 2765, 2768, 2771, 2775, 2778–2779, 2786, 2789, 2791–2793, 2795, 2800, 2804, 2811, 2818–2820, 2830–2831, 2836, 2839, 2845–2846, 2849, 2853–2854, 2856, 2865, 2877, 2882, 2886, 2888, 2890, 2893, 2896, 2900–2901, 2906, 2914, 2922, 2924, 2966–2967, 2971, 2976, 2983, 2988–2990, 2994, 2999, 3002, 3009, 3016, 3018, 3020, 3031, 3036, 3039, 3041–3042, 3044, 3049, 3053, 3057, 3068, 3072, 3077, 3080, 3085, 3088–3089, 3092, 3105, 3114, 3119–3120, 3128, 3136–3137, 3141, 3143, 3145–3146, 3149, 3151, 3165, 3169, 3171, 3179, 3181, 3214, 3216, 3234, 3236–3238, 3240, 3247–3249, 3251, 3260, 3263, 3266, 3268, 3275, 3277, 3294, 3297–3299, 3314, 3318, 3320–3321, 3323, 3331, 3339, 3343, 3349, 3354, 3357, 3359–3360, 3367, 3374, 3376, 3379, 3387–3389, 3391, 3393, 3396–3398, 3407–3408, 3415, 3417, 3419–3420, 3426, 3435, 3440–3442, 3447, 3449, 3460, 3462, 3473, 3477, 3480, 3490, 3494, 3496, 3503, 3507, 3510, 3515, 3517, 3529, 3531–3532, 3534, 3539, 3547–3548, 3554, 3556, 3558–3560, 3574–3575, 3584, 3592, 3600, 3604, 3609–3610, 3613, 3622–3623, 3629, 3631, 3633, 3643, 3657, 3660–3662, 3664, 3667, 3674, 3676, 3682, 3684–3685, 3689–3690, 3696, 3699, 3702, 3706, 3709, 3720, 3732, 3738, 3743, 3748, 3752, 3772, 3781, 3783, 3785, 3792, 3796–3797, 3805, 3817, 3824, 3830, 3836, 3842, 3845–3846, 3848, 3854, 3859, 3864, 3867, 3886, 3889–3890, 3898, 3901–3902, 3905, 3909, 3917, 3922, 3934–3935, 3937, 3945, 3954, 3957–3958, 3964, 3966, 3968, 3979, 3983, 3989, 3991, 3999, 4005, 4014, 4016, 4021, 4025, 4027, 4037, 4040–4042, 4045, 4048, 4054–4055, 4060, 4065, 4070, 4073, 4076, 4081, 4093, 4098, 4104, 4116, 4124, 4130, 4132–4133, 4149–4150, 4163, 4168, 4177, 4186, 4188, 4194, 4199, 4205, 4211, 4230, 4236, 4239, 4246–4247, 4257, 4262, 4268, 4270, 4280, 4283, 4285, 4304, 4306–4308, 4324–4325, 4331, 4334, 4338, 4346, 4376, 4382, 4386, 4392, 4394, 4398–4399, 4409, 4434, 4438, 4443, 4447
AEROSOLS: 1535, 2078, 2619, 2864
AFFECT: 4101
AFFECTIVE DISTURBANCES: 800, 1624, 3676, 4101, 4141, 4268
AFFERENT PATHWAYS: 177, 1711, 1923, 2833, 3719, 3951
AFFINITY LABELS: 1286, 2867
AFLATOXINS: 2110
AFTER CARE: 3161
AGAMMAGLOBULINEMIA: 1773, 3280, 3664
AGAR: 363
AGE DETERMINATION BY SKELETON: 3, 1004, 1319, 1899, 3259, 3297, 4319, 4356
AGE FACTORS: 91, 157, 230, 255, 279, 286, 294, 318, 321, 340, 393, 396, 441, 450, 452, 571, 617, 642, 693, 730, 745, 805, 816, 855, 960, 1073, 1289, 1384, 1461, 1498, 1522, 1563, 1591, 1598, 1602, 1616, 1626, 1659, 1729, 1785, 1945, 1949, 2000, 2022, 2083, 2131, 2138, 2200, 2238, 2274, 2307, 2431, 2459, 2500, 2540, 2559, 2638, 2641, 2672, 2751, 2849, 2916, 2987, 3005, 3019, 3031, 3042, 3132, 3159, 3172, 3180, 3196, 3266, 3300, 3307–3308, 3374, 3406–3407, 3415, 3431, 3435, 3554, 3567, 3620, 3667, 3706, 3749, 3760, 3789, 3864, 3867, 3880, 3954, 3972, 4070, 4166, 4184, 4268, 4360, 4369, 4419, 4431
AGED: 4, 7, 9, 24, 32, 48, 55, 132, 142, 152, 157, 184, 189, 195, 222, 253, 283, 292, 320, 342, 346, 357, 362, 365, 368–369, 377, 385, 396, 406, 413–414, 441, 476, 481, 488, 520, 552, 563, 582, 604, 635, 650, 659, 681, 696, 723, 742, 762, 769, 772, 805, 814, 821, 840, 855, 857, 874, 887, 921, 950, 958, 973, 997, 999, 1007, 1018, 1051, 1060, 1068, 1085–1086, 1095, 1126, 1131, 1134–1135, 1150, 1156, 1178, 1205, 1222, 1229, 1284, 1318, 1332, 1336, 1339, 1359, 1382, 1390, 1416, 1441, 1443, 1463, 1494, 1513, 1517, 1544, 1552, 1555, 1598–1599, 1654, 1677, 1704, 1712, 1717, 1767, 1793, 1804, 1820–1821, 1833, 1862, 1869, 1876, 1916, 1961, 2011, 2013, 2016, 2059–2060, 2065–2067, 2072, 2078, 2091, 2096, 2125–2126, 2129, 2136, 2138, 2143, 2155, 2164, 2188–2189, 2226, 2239, 2257, 2276, 2298, 2304, 2318, 2344, 2349, 2372, 2375, 2397, 2400, 2430, 2435, 2452, 2459, 2466, 2468, 2474, 2498, 2500, 2505–2506, 2515, 2523, 2525, 2529–2530, 2545, 2557, 2569, 2582, 2586, 2594, 2600, 2637–2639, 2641, 2659, 2666, 2689, 2707, 2712, 2714, 2730, 2732, 2751, 2765, 2768, 2775, 2789, 2791, 2793, 2799, 2811, 2819–2820, 2831, 2839, 2849, 2856, 2882, 2900, 2924, 2994, 3019, 3031, 3049, 3057, 3067, 3081, 3115, 3141, 3145, 3179, 3216, 3240, 3247–3249, 3263, 3266, 3274, 3297–3298, 3314, 3316, 3320, 3339, 3357, 3367, 3374, 3376, 3398, 3407–3408, 3415, 3420, 3426, 3435, 3440–3441, 3447, 3507, 3525, 3531, 3556, 3561, 3571, 3594, 3604, 3613, 3622, 3633, 3637, 3660, 3662, 3667, 3677, 3735, 3758, 3760, 3763, 3772, 3796–3797, 3814, 3816, 3823, 3825, 3830, 3842, 3845, 3848, 3864–3865, 3867, 3875, 3884, 3889, 3936, 3958, 4005, 4022, 4027, 4040, 4042, 4046, 4070, 4093, 4129, 4133, 4145, 4149, 4199, 4205, 4242, 4248, 4268, 4280, 4304, 4306, 4336, 4376, 4394, 4398, 4419–4420, 4431, 4435
AGGLUTINATION: 1524
AGGLUTINATION TESTS: 3927
AGGLUTININS: 1005, 2307, 2786
AGGRESSION: 42, 224, 333, 1248, 1433, 1456, 2097, 2333, 2930, 3768, 3880, 4054
AGING: 114, 132, 141, 283, 291, 304, 339, 414, 516, 531, 634, 804, 810, 849, 1040, 1068, 1077, 1116, 1148, 1230, 1249, 1284, 1292, 1333, 1335, 1382, 1744, 1774, 1789, 1804, 2063, 2084, 2320, 2326, 2438, 2466, 2696, 2700, 2826, 2865, 2879, 2913, 2934, 3055, 3086, 3163, 3228, 3248, 3252, 3283, 3363, 3410, 3423, 3476, 3602, 3619, 3625,

3633, 3822, 3829, 3832, 3943, 3954, 4149, 4205
AGONISTIC BEHAVIOR: 3768
AGRICULTURE: 1493
AIR: 3332
AIR IONIZATION: 2021
AIR POLLUTANTS: 2954
AIR POLLUTANTS, RADIOACTIVE: 1, 2954
AIR POLLUTION, RADIOACTIVE: 2818
AIRWAY OBSTRUCTION: 2068, 2854
AJMALINE: 1484
ALANINE: 645
ALANINE AMINOTRANSFERASE: 1430, 1741, 2178, 3415, 4373
ALBUMINS: 127, 576, 1325, 1796, 1885, 3113
ALBUMINURIA: 2037
ALBUTEROL: 1208, 1745, 2515
ALCOHOL DRINKING: 1070, 1292
ALCOHOL, ETHYL: 78, 219, 374, 564, 636, 665, 843, 966, 1292, 1409, 1731, 1734, 1800, 1866, 1894, 2043, 2255, 2288, 3034, 3247, 3802, 4252, 4428
ALCOHOLIC INTOXICATION: 2255, 4252
ALCOHOLISM: 78, 181, 665, 1034, 2043, 2193, 2247–2248, 2255, 2532, 3802, 3830, 4021
ALCOHOLS: 2104, 2585–2586
ALDEHYDES: 927, 1155
ALDOSTERONE: 7, 15, 18, 108, 135, 232, 306–307, 319, 365, 389, 677, 734–735, 804–805, 832, 862, 955, 990, 994, 1009, 1012, 1085, 1149, 1205, 1313, 1335, 1346, 1383, 1467, 1515, 1537, 1549, 1629, 1645–1646, 1677, 1757, 1904, 1936, 1987, 2117–2118, 2205, 2221–2222, 2228, 2291, 2308, 2347, 2355, 2359, 2572, 2664, 2796, 2811, 2832, 2879, 2887, 3152, 3279, 3326, 3337, 3339, 3467, 3478, 3504, 3629, 3659, 3687, 3825, 4014, 4038, 4061, 4146, 4194, 4269, 4294, 4416, 4445
ALDOSTERONE ANTAGONISTS: 135, 447, 4146
ALGAE: 1442
ALGAE, GREEN: 412
ALKALINE PHOSPHATASE: 95, 470, 522, 539, 571, 647, 736, 794, 822, 846, 925–926, 1212, 1325, 1374, 1573, 1741, 2178, 2242, 2483, 2547, 2642, 2751, 2793, 2952, 3019, 3316, 3347–3348, 3410, 3736, 3864, 4326, 4377
ALKALOIDS: 1161
ALKALOSIS: 3326
ALKANES: 3605
ALKAPTONURIA: 2195
ALKENES: 4169
ALKYLATING AGENTS: 1620, 2198
ALKYLATION: 1252, 4057
ALLANTOIN: 464
ALLANTOIS: 3226
ALLELES: 401, 651, 1032, 2472, 4189
ALLIGATORS AND CROCODILES: 2219
ALLOSTERIC REGULATION: 2867
ALLOXAN: 4090, 4365
ALLYLAMINE: 9
ALLYLESTRENOL: 83
ALOPECIA: 1428, 2383
ALOPECIA AREATA: 885, 2509
ALPHA 1-ANTITRYPSIN: 3472
ALPHA-AMYLASE: 1438
ALPHA FETOPROTEINS: 160, 561, 886, 1639, 1735, 1737–1738, 2044, 2166, 2703, 2872, 3251, 3961, 4056–4058, 4395, 4425
ALPHA GLOBULINS: 217, 572, 594, 680, 2090, 3281, 4189
ALPHA-GLUCOSIDASES: 580, 3852
ALPHA MACROGLOBULINS: 222, 2044, 4108
ALPRENOLOL: 2520
ALTHESIN: 477, 661, 786, 907, 1007, 1018, 1101, 1431, 2524–2525, 2633, 3277
ALTITUDE: 2848
ALUMINUM: 1442, 2914–2915, 4316
ALVEOLAR PROCESS: 1185, 2878, 4067, 4328
ALZHEIMER'S DISEASE: 414, 772
AMANITINS: 210, 3246, 4084, 4087
AMANTADINE: 1712, 1728
AMBLYOPIA: 3905, 4130
AMBULATORY CARE: 122, 786, 1227, 3846
AMBYSTOMA: 1462
AMELOBLASTS: 226, 1044, 2154, 2871, 3177
AMELOGENESIS: 226, 1044, 1118, 2154, 2871, 3231
AMELOGENESIS IMPERFECTA: 2173
AMENORRHEA: 97, 156, 175, 276, 287, 308, 380, 708, 1145, 1215, 1241, 1256, 1285, 1341, 1531, 1743, 1858–1859, 1943, 2031, 2424, 2565, 2695, 2761, 2846, 3171, 3181, 3528–3529, 3580, 3715, 3917, 4100, 4415
AMERICIUM: 315, 3485
AMIDINES: 2996, 4322
AMIDOPHOSPHORIBOSYLTRANSFERAS: 1681
AMILORIDE: 1122, 1149, 1398, 2117, 2359, 3364, 3870, 4103
AMINES: 1328, 2512, 3001, 3953
AMINO ACID OXIDOREDUCTASES: 2574
AMINO ACID SEQUENCE: 34, 39, 337, 1252, 1260, 1275, 1408, 1902, 2214, 2353, 2407, 2551, 2605, 2688, 2861, 2993, 3007, 3147, 3255–3256, 3269, 3465, 3658, 3788, 3940, 4019, 4072, 4075, 4142, 4152, 4208
AMINO ACIDS: 34, 43, 517, 579, 597, 623, 700, 721, 980, 1128, 1133, 1137, 1209, 1361, 1432, 1486, 1966, 1979, 2214, 2218, 2353, 2382, 2512, 2859, 3058, 3231, 3269, 3502, 3605, 3630, 3647, 3722, 3729, 3788, 3913–3914, 3953, 4057, 4074, 4095, 4152, 4313, 4318, 4361
AMINO ACIDS, ESSENTIAL: 2527
AMINO SUGARS: 4057
P-AMINOAZOBENZENE: 1803
O-AMINOAZOTOLUENE: 1803
P-AMINOBENZOIC ACID: 2765
AMINOBUTYRATE AMINOTRANSFERASE: 3705
AMINOBUTYRIC ACIDS: 3061
AMINOGLUTETHIMIDE: 469, 1984, 2354, 2691, 3367
P-AMINOHIPPURIC ACID: 1496, 2493
AMINOHIPPURIC ACIDS: 1496, 2493
AMINOHYDROLASES: 1538
AMINOISOBUTYRIC ACID: 2679, 4009
6-AMINONICOTINAMIDE: 1721
AMINOPEPTIDASES: 1971, 3340, 3463
AMINOPHYLLINE: 815, 1810, 1812–1813, 3911, 3922
AMINOPROPIONITRILE: 2108
2-AMINOPURINE: 2824
AMINOPYRIDINES: 615
AMINOPYRINE N-DEMETHYLASE: 2433
AMINOTRANSFERASES: 1060, 2547, 3419
AMIODARONE: 2305
AMITRIPTYLINE: 1349, 2573
AMITROLE: 1043
AMMONIA: 1192, 3219, 3326
AMMONIUM CHLORIDE: 2940
AMMONIUM COMPOUNDS: 10, 1218, 3201, 3809
AMNESIA: 2340, 3056
AMNIOCENTESIS: 841, 1132, 1270, 2148, 3828, 4399, 4425, 4440
AMNION: 348, 483, 1399, 3330, 3380
AMNIOSCOPY: 3828
AMNIOTIC FLUID: 483, 566, 790, 1649, 1727, 1834, 2872, 3698, 3835
AMOXICILLIN: 1553
AMPHETAMINE: 683, 1380, 1609
AMPHETAMINES: 1161, 2174, 2996, 3112, 3655
AMPHIBIA: 422, 1000
AMPHOTERICIN B: 198
AMPICILLIN: 1553, 2136, 3002, 3933
AMPUTATION: 2204
AMPUTATION, TRAUMATIC: 1777, 3241
AMYGDALOID BODY: 259–260, 569, 1248, 1482, 1702, 2007, 2052, 2288, 2377, 2442, 2682, 3028, 3056, 3384, 3598, 3768, 3793, 3830, 3900, 3951, 4204, 4240
AMYLASES: 1438, 1754, 2414, 3100, 3432, 3810
AMYLOIDOSIS: 2338, 2507
AMYOTROPHIC LATERAL SCLEROSIS: 4316
ANABOLIC STEROIDS: 770, 1691, 3990
ANAEROBIOSIS: 1262, 1953
ANAL GLAND NEOPLASMS: 1338
ANALGESIA: 37, 213, 325, 1236, 2840, 4035
ANALGESICS: 121, 1066, 1566, 1627, 2043, 2562, 2666, 3148, 3403, 3549, 3766, 4082
ANALGESICS, ANTI-INFLAMMATORY: 1009, 2564, 4322
ANAPHYLATOXINS: 244
ANAPHYLAXIS: 88, 789, 1006, 2324, 3903
ANATOMY: 270, 1001, 1947
ANATOMY, COMPARATIVE: 3297
ANCYLOSTOMA: 1756
ANCYLOSTOMIASIS: 1756
ANDROGEN ANTAGONISTS: 128, 1263, 1638, 2509, 3405, 3508, 4024
ANDROGENS: 30, 142, 258, 470, 473, 531–532, 572, 944, 1073, 1361, 1475, 1600, 1633, 1705, 1787, 1790, 1834, 2223, 2383, 2792, 2822, 2859, 3011, 3015, 3097–3098, 3120, 3305, 3378, 3655, 3775, 3942, 4034, 4129, 4136, 4281, 4384
ANDROGENS, SYNTHETIC: 1136, 1691, 1845, 2098, 3064, 3791, 4137
ANDROSTADIENES: 1647, 4288
ANDROSTANEDIOL: 25, 1705
ANDROSTANES: 25, 311, 1317, 1705, 2513, 3451, 4320
ANDROSTENEDIOLS: 1317, 2513
ANDROSTENEDIONE: 30, 254, 603, 1292, 1317, 1516, 1936, 1962, 2006, 2365, 2433, 2513, 2537, 3129, 3165, 3367, 3378, 3510, 3758, 3901, 4034, 4077, 4288, 4385
ANDROSTENOLS: 1024
ANDROSTERONE: 1024, 4016, 4034
ANEMIA: 763, 1056, 1136, 2069, 2685, 3120
ANEMIA, APLASTIC: 155, 531, 1654, 3942, 4304
ANEMIA, HEMOLYTIC: 431, 1136, 1748, 2947
ANEMIA, HEMOLYTIC, AUTOIMMUNE: 1400
ANEMIA, HYPOCHROMIC: 441, 1091, 1136, 2592, 3071
ANEMIA, SICKLE CELL: 4156
ANEMIA, SIDEROBLASTIC: 2997
ANENCEPHALY: 248, 1605, 1783, 2332, 3414, 4384
ANESTHESIA: 486, 786, 861, 1101, 2184, 2243, 2447, 3638, 4197
ANESTHESIA, DENTAL: 1351, 3445
ANESTHESIA, EPIDURAL: 996, 1882
ANESTHESIA, GENERAL: 939, 1431, 2008, 2633, 2643, 3765, 4257
ANESTHESIA, INHALATION: 1431, 2073, 3720, 3825, 4196
ANESTHESIA, INTRATRACHEAL: 2643
ANESTHESIA, INTRAVENOUS: 1007, 1018, 2008, 2524–2525, 3277, 3738
ANESTHESIA, LOCAL: 1351, 3445, 3464
ANESTHESIA, OBSTETRICAL: 1018
ANESTHETICS: 225, 661, 2043, 2073, 2184, 2633, 2768, 3103, 3148, 3768
ANESTHETICS, DISSOCIATIVE: 661
ANESTHETICS, LOCAL: 1939, 2128, 3418, 3495, 3716
ANESTRUS: 866, 881, 978
ANEUPLOIDY: 1270, 2486
ANGER: 2376–2377
ANGINA PECTORIS: 605, 3671
ANGIOCARDIOGRAPHY: 2552
ANGIOGRAPHY: 674, 2271, 2552, 2627, 3484, 3610, 4356
ANGIOMA, SCLEROSING: 3267
ANGIOMATOSIS: 1551, 3214
ANGIONEUROTIC EDEMA: 2773, 3327, 4423
ANGIOTENSIN I: 1011, 1187, 1258, 1637, 1648, 1658, 1910, 1914, 2331, 3186, 3885, 4417
ANGIOTENSIN II: 7, 82, 109, 232, 333, 564, 836, 851, 877, 994, 1011, 1062, 1129, 1187, 1258, 1346, 1417, 1556, 1629, 1645–1646, 1656, 1677, 1769, 1838, 1904, 1956, 2086, 2130, 2155, 2188, 2196, 2222, 2228, 2285–2286, 2335, 2344, 2413, 2495, 2598, 2649, 2742, 2798, 2887, 2897, 2966, 2999, 3186, 3339, 3504, 3542, 3547, 3874, 4038, 4165, 4185, 4416–4417
ANGIOTENSIN AMIDE: 2649
ANGIOTENSINOGEN: 15, 333, 1162, 1387, 3186, 4038
ANGIOTENSINS: 62, 1162, 1648, 1995, 2688, 2769, 2809, 3186, 3376, 3479, 3658, 3672, 4405, 4414, 4417
ANGUILLA: 1481
ANILIDES: 4024
ANILINE COMPOUNDS: 1946, 2433, 2960
ANILINE HYDROXYLASE: 2960
ANILINO NAPHTHALENESULFONATES: 1660, 4057
ANIMAL FEED: 470, 1493, 1750, 2048, 4436
ANIMAL NUTRITION: 417–418, 2048
ANIMALS: 895, 3055
ANIMALS, LABORATORY: 1044
ANIMALS, NEWBORN: 89, 96, 114, 187, 212, 278, 286, 417, 452, 641–642, 693, 730, 749, 784, 810, 831, 928, 1077, 1176, 1486, 1496, 1671, 1789, 2320, 2366, 2655, 2700, 2756, 2916, 2995, 3021, 3209, 3526, 3550, 3619, 3625, 3829, 3833, 3869, 3913, 4159, 4224, 4232, 4332, 4368

ANIMALS, SUCKLING: 895, 1054, 2083, 2787, 3055, 3822
ANIMALS, WILD: 1143, 1433
ANIMALS, ZOO: 508, 3908
ANIONS: 2302, 3495
ANODONTIA: 4207
ANOREXIA NERVOSA: 193, 308, 1215, 1858, 2257, 4016, 4132
ANOSMIA: 3559, 4033, 4065
ANOVULATION: 192, 490, 515, 1197, 1596, 3105, 3715
ANOXEMIA: 2139, 4282
ANOXIA: 762, 1486, 1910, 2359, 2588, 2848, 2919, 3143, 3195, 3671, 4091, 4201
ANTACIDS: 140
ANTHRALIN: 4119
ANTHRAX: 3305
ANTHROPOMETRY: 137, 1475, 2684, 3062
ANTI-ANTIBODIES: 1344
ANTI-ARRHYTHMIA AGENTS: 10, 1939, 2304
ANTIBIOTICS: 178, 299, 368, 663, 756, 1214, 1263, 1348, 1504, 1580, 1712, 2109, 2386, 2505, 2581, 2662, 2752, 2804, 2917, 3161, 3305, 3457, 3471, 3613, 3871, 4163, 4192
ANTIBIOTICS, ANTINEOPLASTIC: 1372, 3133, 3359
ANTIBODIES: 1290, 2030, 2221, 2283, 2330, 2753, 2817, 2836, 2859, 2955, 3016, 3361, 3695, 3862, 4174, 4395
ANTIBODIES, BACTERIAL: 1253, 2815
ANTIBODIES, FUNGAL: 3217
ANTIBODIES, HETEROTYPIC: 3415
ANTIBODIES, NEOPLASM: 289, 4409
ANTIBODIES, VIRAL: 2668, 2814, 3872
ANTIBODY AFFINITY: 3861
ANTIBODY-DEPENDENT CELL CYTOTOXICITY: 1812, 2420
ANTIBODY FORMATION: 112, 289, 456, 595, 1208, 1253, 2064, 2753, 3861, 3930, 3941, 4220
ANTIBODY SPECIFICITY: 3408, 4164, 4174
ANTICHOLESTEREMIC AGENTS: 284
ANTICOAGULANTS: 658, 2383, 3168, 4428
ANTICONVULSANTS: 140, 205, 627, 843, 2079, 2483, 2682, 2956, 3148, 3273, 3787, 4428
ANTIDEPRESSIVE AGENTS: 9, 1504, 1641, 3627, 4169
ANTIDEPRESSIVE AGENTS, TRICYCLIC: 540, 3386
ANTIDOTES: 1548, 3161
ANTIEMETICS: 1504, 3148
ANTIFUNGAL AGENTS: 3153, 4025
ANTIGEN-ANTIBODY COMPLEX: 275, 1463, 3992
ANTIGEN-ANTIBODY REACTIONS: 187, 351, 922, 1397, 1857, 2219, 2330, 2597, 3361, 3530, 3667, 4395
ANTIGENIC DETERMINANTS: 326, 894, 2199, 2334, 2758, 3788, 4409
ANTIGENS: 95, 302, 894, 1010, 1805, 2334, 2803, 3104, 4075
ANTIGENS, BACTERIAL: 1253, 2758, 2815, 4227
ANTIGENS, FUNGAL: 3217
ANTIGENS, HETEROGENETIC: 1005
ANTIGENS, NEOPLASM: 1463, 4409
ANTIGENS, SURFACE: 275, 2654
ANTIGENS, VIRAL: 2212, 3872
ANTIHYPERTENSIVE AGENTS: 394, 447, 486, 536, 658, 1066, 1881, 2581, 3148, 3238, 3965, 4428
ANTI-INFECTIVE AGENTS: 1066, 1504, 3305, 4428
ANTI-INFECTIVE AGENTS, LOCAL: 74
ANTI-INFLAMMATORY AGENTS: 196, 494, 823, 890, 893, 1008, 1203, 1266, 1802, 2100, 2666, 3035, 3168, 3232, 3283, 3403, 3765, 3892, 4161
ANTI-INFLAMMATORY AGENTS, TOPICAL: 4344
ANTILYMPHOCYTE SERUM: 3706
ANTIMALARIALS: 1008, 1269
ANTIMETABOLITES: 2308
ANTIMONY: 495, 1320
ANTINEOPLASTIC AGENTS: 128, 152, 257, 359, 385, 400, 538, 658, 879, 886, 915, 941, 960, 1052, 1066, 1086, 1163, 1216, 1276, 1375, 1414, 1507, 1620, 1862, 1940, 1988, 2136, 2349, 2383, 2502, 2599, 2705, 2710, 2770–2771, 3079, 3208, 3272, 3389, 4177, 4336, 4338, 4376, 4398, 4444
ANTINUCLEAR FACTORS: 934, 1075, 1339, 2307
ANTIPARKINSON AGENTS: 1504
ANTIPYRINE: 2909, 3673
ANTITHROMBIN III: 1596, 2896
ANTITUBERCULAR AGENTS: 1096, 1915, 2356
ANTI-ULCER AGENTS: 102
ANTIVIRAL AGENTS: 1504
ANTLERS: 470
ANUS: 4244
ANUS, IMPERFORATE: 4244
ANXIETY: 224, 1624, 2461
AORTA: 291, 381, 1265, 1358, 1559, 1778, 2049, 2310, 2438, 2870, 2913, 3450, 3839, 3851, 3885, 3950, 4183, 4272
AORTA, ABDOMINAL: 3091, 4147
AORTA, THORACIC: 589, 2084, 2266, 3637
AORTIC ANEURYSM: 73, 4172
AORTIC COARCTATION: 1022
AORTIC DISEASES: 1058, 2084
AORTIC RUPTURE: 3637, 4172
AORTOCORONARY BYPASS: 2742
APATITES: 897, 989, 1118
APAZONE: 494
APGAR SCORE: 214, 732, 1170, 4282, 4285
APHAKIA: 2336
APLYSIA: 543, 1795, 1819, 2957
APNEA: 2854
APOENZYMES: 2519
APOLIPOPROTEINS: 572, 3897
APOMORPHINE: 655, 1568, 1728, 1878, 2107, 2630, 3384, 4110
APPENDECTOMY: 369, 3277
APPENDICEAL NEOPLASMS: 2180
APPENDICITIS: 861
APPENDIX: 1846
APPETITE: 1126, 2535
APPETITE DEPRESSANTS: 843, 4085
APUD CELLS: 2124
AQUEOUS HUMOR: 1648, 2582, 2734, 2931, 3438
ARACHIDONIC ACIDS: 316, 329, 391, 446, 714, 933, 1021, 1080, 1189, 1220, 1224–1225, 1358, 1536, 1849, 1857, 2003, 2134, 2332, 2398, 2603–2604, 2698, 2715, 2788, 2803, 3139, 3338, 3361, 3617, 3777, 3857–3858, 4200–4201, 4221
ARACHNIDA: 1328
ARACHNODACTYLY: 2195, 3050, 3849
ARGININE: 812, 917, 953, 1415, 1852, 2157, 2319, 3147, 3201, 3299, 3978, 4142, 4361
ARGIPRESSIN: 109, 336, 514, 524, 725, 1408, 1699, 1977, 2192, 2430, 2598, 2613, 3113, 3144, 3287, 3487, 4133, 4191, 4254
ARM: 3062
AROMATASE: 1292, 1612
AROUSAL: 426, 1819, 3257, 4214
ARRHENOBLASTOMA: 2513, 3532
ARRHYTHMIA: 2304, 2455, 2528, 3115, 3323, 3497, 3753, 3796
ARRHYTHMIA, SINUS: 2528
ARSENICALS: 76
ARTERIAL OCCLUSIVE DISEASES: 3748
ARTERIES: 67–68, 411, 589, 663, 1586, 1910, 2179, 2266, 2310, 2844, 2870, 2894, 3270, 3450, 3762, 3851
ARTERIOSCLEROSIS: 204, 2084, 3078
ARTERIOVENOUS ANASTOMOSIS: 1586
ARTERIOVENOUS FISTULA: 835, 3068
ARTERIOVENOUS MALFORMATIONS: 1014, 1518
ARTERITIS: 2066, 4097
ARTHRITIS: 1321, 2559, 4119
ARTHRITIS, INFECTIOUS: 1555
ARTHRITIS, JUVENILE RHEUMATOID: 512
ARTHRITIS, RHEUMATOID: 362, 1008, 1075, 1400, 1555, 1960, 1969, 2260, 2338, 2666, 2670, 2979, 3232, 3408, 3637, 3981, 3992, 4239
ARTHROPOD VECTORS: 262
ARTHROPODS: 1191
ARTIFICIAL ORGANS: 576
ARTIODACTYLA: 218
ARYL HYDROCARBON HYDROXYLASES: 1803, 2960
ASBESTOS: 2563
ASCARIS: 4434
ASCITES: 1017, 1325, 1962, 2177, 2595, 2925, 3339
ASCITIC FLUID: 1325, 1796, 2606
ASCORBIC ACID: 341, 843, 1180, 1253, 1488, 2802, 3201, 3521, 3894, 4110
ASPARAGINE: 699
ASPARTATE AMINOTRANSFERASE: 831, 1325, 1430, 1741, 2178, 2642, 3415, 4373
ASPARTATE CARBAMOYLTRANSFERASE: 2934, 3829
ASPARTIC ACID: 977, 3021
ASPERGILLOSIS: 3217
ASPERGILLOSIS, ALLERGIC BRONCHOPULMONARY: 4025
ASPERGILLUS: 3353
ASPERGILLUS FUMIGATUS: 3217
ASPHYXIA NEONATORUM: 1486
ASPIRATION: 2606
ASPIRIN: 120, 325, 739, 1224, 1293, 1802, 2003, 2603, 3730, 3755, 3850–3851, 4307, 4315, 4322, 4374
ASSOCIATION: 1702
ASTHMA: 718, 904, 1069, 2014, 2016, 2078, 2170, 2324, 2619, 2669, 2800, 2864, 3046, 3249, 3755, 3786, 3922, 4161
ASTROCYTOMA: 359, 1144, 1159, 1743, 3204, 3560
ATAXIA: 384, 2074
ATAXIA TELANGIECTASIA: 26, 3299
ATELECTASIS: 797
ATENOLOL: 782, 3846
ATHEROMA: 2204
ATHEROSCLEROSIS: 1358, 3888
ATHLETIC INJURIES: 3781
ATMOSPHERE EXPOSURE CHAMBERS: 1937
ATMOSPHERIC PRESSURE: 761, 1937, 3239, 4091
ATRACTYLOSIDE: 1577
ATROPHY: 414, 644, 1531, 1564, 1730, 1800, 2773, 2941, 4155, 4263, 4343
ATROPINE: 224, 280, 564, 610, 761, 1101, 1248, 1380, 2649, 2768, 3497, 3653, 3730, 3900, 4229
ATTENTION: 4124
ATTITUDE: 1386, 1514, 2129, 2348, 4179
ATTITUDE OF HEALTH PERSONNEL: 1132
ATTITUDE TO HEALTH: 1074
AUDIOMETRY: 1717, 3169
AUDITORY CORTEX: 28
AUDITORY THRESHOLD: 2521
AURICULAR FIBRILLATION: 704, 3796
AUTISM, EARLY INFANTILE: 3, 533, 667, 1801
AUTOANALYSIS: 1409, 2861, 3468
AUTOANTIBODIES: 194, 393, 1005, 1339, 1400, 2307, 2360, 2514, 2916, 2927, 3408, 3584, 3796, 4039, 4173, 4220, 4453
AUTOANTIGENS: 1809, 3127, 4173
AUTOIMMUNE DISEASES: 116, 934, 1005, 1053, 1117, 1322, 1400, 1430, 1534, 2446, 2514, 2538, 2972, 3127, 3985, 4327
AUTOLYSIS: 4364
AUTONOMIC FIBERS, POSTGANGLIONIC: 1444
AUTONOMIC NERVOUS SYSTEM: 1141, 1238, 2324, 2730, 3095, 3432, 3787
AUTOPSY: 253, 1602, 1865, 2067, 4230
AUTORADIOGRAPHY: 60–61, 177, 236–237, 245, 1199, 1424, 1542, 2038–2040, 2050, 2052, 2076, 2080, 2133, 2492, 2838, 3012, 3135, 3243, 3372–3373, 3399, 3474, 3482, 3669, 4299
AUTOSOME ABNORMALITIES: 793, 2115, 2380
AVIAN LEUKOSIS: 3644
AVIATION MEDICINE: 1123
AVITAMINOSIS: 2466
AVOIDANCE LEARNING: 161, 838, 1702, 2340, 3511, 3847, 3883, 3900, 4085, 4204
AWARDS AND PRIZES: 332, 1097, 2842, 3227
AXONS: 236–237, 344, 669, 1886, 1974, 2038, 2106, 2902, 3159, 3570, 3767, 3881, 3970
AXOPLASMIC FLOW: 56, 177, 237, 2492
AZASTEROIDS: 1691
AZATHIOPRINE: 432, 618, 1405, 1725, 1961, 2341, 2642, 3592, 3706
AZIDES: 2190
AZO COMPOUNDS: 562, 1803
AZURE STAINS: 899, 1818

B

BABOONS: 239, 315, 411, 1280, 1282, 1845, 3576, 3866
BACITRACIN: 2122, 3579

BACKACHE: 3403
BACLOFEN: 3061
BACTERIA: 1359, 1442, 1929, 2021, 2160, 3583
BACTERIAL INFECTIONS: 346, 368, 1513, 1712, 2780, 3288, 3981
BACTERIAL PROTEINS: 1852
BACTERIAL TOXINS: 21, 1287, 1304, 1996, 2739
BACTERIAL VACCINES: 2334, 3856
BACTERIURIA: 3251
BANDAGES: 1544, 3571, 3955
BARBITAL: 3924
BARBITURATES: 148, 3924, 4097, 4295
BARIUM: 405, 1908, 3270, 3516
BARTHOLIN'S GLANDS: 1142
BARTTER'S DISEASE: 100, 545, 1009
BASAL GANGLIA DISEASES: 1115, 4310
BASAL METABOLISM: 909, 3539
BASE SEQUENCE: 910, 1529, 1829, 1885, 2694, 2970
BASEMENT MEMBRANE: 1111, 2030, 2315, 2778, 3498
BASIDIOMYCETES: 3939–3940
BASILAR ARTERY: 3804
BASOPHILS: 1147, 2803
BATHS: 3332, 3955
BATTERED CHILD SYNDROME: 1588
BCG: 2328
BCG VACCINE: 289, 385, 1940, 3892
BEARS: 508
BECLOMETHASONE: 1069, 1535, 2078, 2482, 2619
BEHAVIOR: 407, 1519, 2042, 2822, 3651, 3730, 4110
BEHAVIOR, ANIMAL: 426, 482, 630, 838, 895, 1077, 1314, 1419, 1505, 1508, 1674, 1686, 1702, 1711, 1721, 1819, 1850, 2021, 2097, 2214, 2296, 2325, 2636, 2840, 2996, 3021, 3055, 3502, 3730, 3847, 4019, 4204, 4366, 4404
BEHCET'S SYNDROME: 1555
BELLADONNA ALKALOIDS: 2220, 2765, 4097
BENDROFLUMETHIAZIDE: 1122
BENPERIDOL: 3798
BENSERAZIDE: 2235–2237, 3141, 4044
BENTONITE: 2927
BENZAMIDES: 1100
BENZANTHRACENES: 2504, 4332
BENZENE HEXACHLORIDE: 372
BENZIDINES: 2929, 3578
BENZIMIDAZOLES: 3727
BENZOATES: 446, 589
BENZODIAZEPINES: 301
BENZOFURANS: 1641, 2305
BENZOPYRENE HYDROXYLASE: 339
BENZOPYRENES: 2433, 3617
BENZOYL PEROXIDE: 1428
BENZPHETAMINE: 339
BENZYL COMPOUNDS: 3036
BETA-GALACTOSIDASES: 860, 870, 1344, 1789, 2328, 2607
BETA GLOBULINS: 159, 432, 1331, 1587, 2559, 3404, 4225
BETA 2 MICROGLOBULIN: 432, 1331, 3404, 4225
BETAMETHASONE: 17, 36, 394, 876, 887, 1534, 1700, 1971, 1984, 2169, 2515, 2690, 2708, 3258, 3604, 3782, 4199, 4258, 4343–4344, 4427
BETAMETHASONE 17-VALERATE: 17, 196, 791, 1963, 2708, 3134, 4343–4344
BETAZOLE: 3589
BEVERAGES: 2550
BICARBONATES: 186, 227, 1250–1251, 1695, 1975, 2294, 3219, 3326, 3467, 4379
BICUSPID: 3728
BICYCLO COMPOUNDS: 4169
BIGUANIDES: 698, 2072, 3801
BILE: 136, 144, 1545, 4252
BILE ACIDS AND SALTS: 136, 1188, 1545, 1741, 3587
BILE DUCTS: 1058
BILE DUCTS, INTRAHEPATIC: 3083
BILIARY TRACT: 3706
BILIARY TRACT DISEASES: 1058, 1741
BILIRUBIN: 178, 1325, 1741, 2178, 2642, 3419, 4058
BINDING, COMPETITIVE: 217, 275, 326, 358, 387, 412, 569, 575, 778, 888, 1010, 1024, 1218, 1808, 1848, 2266, 2443, 3017, 3064, 3139, 3412, 3437, 3698, 3716, 3819, 4056, 4058, 4099, 4137, 4212, 4333
BINDING SITES: 217, 244, 302, 429, 542, 888, 984, 993, 1031, 1260, 1361, 1528, 1546, 1609, 1663–1664, 1698, 2142, 2158, 2251, 2779, 2812, 2867, 2953, 3203, 3344, 3352, 3466, 3512, 3635, 3722, 3834, 4058, 4077, 4349
BINDING SITES, ANTIBODY: 1408, 2473, 3861
BIOCHEMISTRY: 2225
BIOCOMPATIBLE MATERIALS: 1489
BIOFLAVONOIDS: 324
BIOGENIC AMINES: 27, 190, 213, 224, 236, 294, 309, 343, 482, 553, 712, 977, 1191, 1450, 1568, 1713, 1740, 2628, 3070, 3156, 3261, 3730, 3912, 4169
BIOLOGICAL ASSAY: 273, 350, 557, 568, 583, 629, 911, 931, 937, 948, 970, 984, 1064, 1264, 1357, 1750, 1805, 1970, 2211, 2301, 2303, 2593, 2648, 3412, 3775–3776, 3818, 3952, 4013, 4032, 4100, 4221
BIOLOGICAL AVAILABILITY: 243, 1153, 3438, 4271
BIOLOGICAL CLOCKS: 3202, 3252, 3410, 4074, 4362
BIOLOGICAL TRANSPORT: 101, 596, 724, 943, 1016, 1064, 1137, 1149, 1225, 1329, 1467, 1528, 1577, 2302, 2317, 2465, 2660, 2829, 2850, 2907, 2935, 3007, 3013, 3225, 3304, 3495, 3605, 3691, 3771, 3863, 3980, 4151, 4375
BIOLOGICAL TRANSPORT, ACTIVE: 216, 390, 405, 458, 542, 634, 724, 729, 780, 832, 1286, 1349, 1361, 1410, 1572, 2157, 2308, 2359, 2493, 2719, 2752, 2894, 2963, 2986–2987, 3279, 3303, 3337, 3437, 3467, 3570, 3716, 4009, 4103, 4170, 4229, 4243, 4294
BIOMECHANICS: 463, 798, 982, 2874, 2876
BIOPSY: 142, 173, 1028, 1065, 1159, 1460, 1900, 2189, 2471, 2659, 2704, 2720, 2978, 3240, 3272, 3459, 3763, 3831, 3932, 4005, 4239, 4281
BIOPSY, NEEDLE: 1217, 1487, 2137, 2363, 2557, 2763, 3216, 3506–3507
BIOTRANSFORMATION: 339, 933, 1728, 2198, 3129, 3540, 4288
BIRDS: 448, 508, 758, 1143, 1431, 1433, 1720, 2219, 2337, 3096
BIRTH INJURIES: 1083
BIRTH RATE: 1411
BIRTH WEIGHT: 22, 83, 214, 383, 418, 732, 1605, 2736, 4285
BISMUTH: 712
BISPHOSPHOGLYCEROMUTASE: 607
BLACK WIDOW SPIDER: 760
BLACKS: 283, 1291
BLADDER: 369, 832, 892, 1083, 1286, 1349, 1908, 2359, 2850, 2892, 3337, 3478, 4111, 4229, 4244, 4348
BLADDER NEOPLASMS: 73, 960, 1276, 1869, 3615
BLASTOCYST: 2313
BLEOMYCIN: 368, 1533, 2091, 3742, 4326
BLINDNESS: 1669, 1726, 2636, 3213, 3763, 3789, 4033, 4257
BLOOD: 1991, 2021, 2829, 3024, 3280, 3312, 3487, 4176, 4339
BLOOD BACTERICIDAL ACTIVITY: 1180, 3500
BLOOD-BRAIN BARRIER: 478, 2123, 2706
BLOOD CELL COUNT: 235, 431, 1468, 1533, 2785, 3415
BLOOD CHEMICAL ANALYSIS: 2543, 3053, 3293, 3576
BLOOD CIRCULATION: 203–204, 440, 1036, 1141, 1358, 1827, 2311
BLOOD COAGULATION: 147, 609, 1057, 1254, 1882, 1977, 2603, 2896, 3349, 3388, 3858, 4183
BLOOD COAGULATION DISORDERS: 2045, 3464
BLOOD COAGULATION FACTORS: 2803
BLOOD COAGULATION TESTS: 147, 1533
BLOOD DONORS: 1278, 2592
BLOOD FLOW VELOCITY: 3341
BLOOD GAS ANALYSIS: 1699, 2854
BLOOD GROUPS: 1079, 1748, 2444, 2888, 3251
BLOOD PLATELET DISORDERS: 2162, 4334
BLOOD PLATELETS: 19, 51, 99, 105, 203–204, 244, 275, 329, 431, 696, 1080, 1147, 1167, 1224–1225, 1244, 1298–1299, 1358, 1435, 1451, 1468, 1590, 1641, 1664, 1719, 1768, 2013, 2139, 2141, 2324, 2465, 2485, 2603, 2645, 2698, 2785, 2803, 2868, 3116, 3178, 3303–3304, 3358, 3616, 3851, 3931, 3992, 4142–4143, 4200, 4334
BLOOD PRESSURE: 82, 158, 232, 319, 333, 364–365, 477, 481, 486–487, 536, 557, 564, 567, 617, 771, 804–805, 839, 851, 867, 902, 933, 997, 1011, 1013, 1022, 1046–1047, 1084–1085, 1182, 1187, 1205, 1211, 1229, 1231, 1258, 1335, 1383, 1391, 1494, 1556, 1559–1560, 1629, 1640, 1645–1646, 1656, 1688, 1699, 1820–1821, 1855, 1871, 1881, 1904, 1924–1925, 1995, 2006, 2118, 2168, 2181, 2188, 2237, 2254–2255, 2285–2286, 2292, 2310, 2325, 2335, 2355, 2415, 2435, 2451, 2476, 2479, 2495, 2588, 2597–2598, 2620, 2664, 2678, 2688, 2697, 2730, 2742, 2798, 2808–2809, 2816, 2835, 2844, 2879, 2887, 2999, 3095, 3130, 3152, 3180, 3186, 3253, 3275, 3339, 3475, 3479, 3505, 3593, 3627, 3642, 3658, 3672, 3719, 3839, 3846, 3851, 3874, 3926, 3965, 3977, 4014, 4061, 4107, 4165, 4171, 4178, 4222, 4280, 4325
BLOOD PROTEIN DISORDERS: 379, 1807
BLOOD PROTEIN ELECTROPHORESIS: 1016
BLOOD PROTEINS: 393, 634, 650, 974, 1016, 1278, 1287, 1301, 1316, 1901, 2043, 2500, 2696, 2929, 3063, 3090, 3263, 3336, 3930, 4108, 4242, 4339
BLOOD SEDIMENTATION: 1095, 4307
BLOOD SPECIMEN COLLECTION: 2331, 3479, 4282
BLOOD SUGAR: 21, 43, 136, 143, 235, 417, 444, 475, 484, 766, 782, 902, 917, 959, 1049, 1192, 1302, 1407, 1453, 1525, 1630, 1714, 1734, 1882, 2124, 2131, 2287, 2464, 2527, 2576, 2614, 2672, 2696, 3077, 3149, 3215, 3247, 3331, 3364, 3397, 3502, 3630, 3685, 3954, 4037, 4040, 4074, 4090, 4092, 4250, 4295, 4351
BLOOD-TESTIS BARRIER: 1165
BLOOD TRANSFUSION: 1136, 1423, 2069, 2491, 2642, 2668, 2784, 2998
BLOOD UREA NITROGEN: 322, 1901
BLOOD VESSEL PROSTHESIS: 203, 2204, 3092
BLOOD VESSELS: 203–204, 381, 663, 1189, 1265, 1356–1357, 1523, 1586, 2049, 2603–2604, 2913, 2961, 2984, 3034, 3179, 3575, 3581, 3670, 3857–3858, 3950, 4015, 4052, 4303
BLOOD VOLUME: 617, 805, 837, 1085, 1926, 3434, 3687
BLOODLETTING: 3753
BODY BURDEN: 255, 682
BODY COMPOSITION: 1567, 2725, 2918, 2935, 3150, 4184
BODY CONSTITUTION: 265
BODY FLUID COMPARTMENTS: 1131, 3034
BODY FLUIDS: 577, 583, 905, 1541, 1975, 2365, 2389, 3034, 3060, 3226
BODY HEIGHT: 1004, 1108, 1407, 1772, 1889, 2470, 2725, 3062, 3989, 4055, 4207
BODY IMAGE: 2011, 2555
BODY TEMPERATURE: 374, 482, 1247, 1928, 2186, 2233, 2235, 3069, 3112, 3239, 3253, 3270, 3627, 4249, 4296
BODY TEMPERATURE REGULATION: 654, 1000, 2186, 2235–2236, 2730, 3048, 3069, 3172, 3237, 3400, 3730, 3947, 4250
BODY WATER: 776, 1721, 1871, 1996, 2197, 2347, 2415, 2898, 2935, 3434, 3850, 4294
BODY WEIGHT: 85, 157, 193, 201, 287, 309–310, 331, 425, 472, 609, 727, 851, 917, 952, 974, 983, 1004, 1043, 1077, 1085, 1090, 1108, 1119, 1145, 1335, 1383, 1459, 1461, 1493, 1531, 1542, 1549, 1628, 1686, 1744, 1858, 1930, 1989, 2048, 2089, 2249, 2347, 2470, 2476, 2580, 2597, 2618, 2664, 2725, 2740, 2826, 2874, 2911, 2918, 2972–2974, 3021, 3062, 3107, 3152, 3180, 3206, 3211, 3292, 3346, 3360, 3453, 3486, 3642, 3645, 3654, 3947, 3990, 4024, 4033, 4055, 4096, 4159, 4285, 4319, 4341, 4351
BOMBESIN: 1063, 1754, 2749, 4072
BONE AND BONES: 1, 50, 77, 129, 139, 141–142, 191, 315, 335, 386, 451, 495, 504, 584, 598, 611, 628–629, 632, 647, 666, 727, 740, 750–751, 793–794, 798, 897, 905, 931, 943, 945, 948, 967, 982–983, 1004, 1028, 1038, 1113, 1155–1156, 1164, 1168, 1210, 1260–1261, 1368, 1418, 1420, 1457, 1460, 1479, 1489, 1499, 1524, 1528, 1586, 1588, 1594–1595, 1625, 1692, 1712, 1733, 1785, 1799, 1828, 1870, 1891, 1899, 1903, 1906, 1916, 1920, 1944, 1947, 1957, 1960, 1994, 2019, 2033, 2067, 2127, 2137–2138, 2183, 2245, 2250, 2263, 2295, 2329, 2404, 2412, 2419, 2432, 2453, 2474,

2501, 2532, 2547, 2574–2575, 2596, 2608, 2610, 2658–2659, 2741, 2751, 2767, 2793, 2838, 2873–2876, 2891, 2911, 2952, 2975, 3004, 3031, 3058, 3062, 3068, 3082, 3101, 3109, 3125, 3162, 3176, 3183, 3297, 3316, 3329, 3335–3336, 3361, 3485, 3554, 3601, 3613, 3677, 3694, 3729, 3785, 3807, 3815–3816, 3833–3834, 3848–3849, 3876, 3928, 3963, 3972, 3986, 4005, 4118, 4131, 4162, 4227, 4242, 4271, 4279, 4306, 4391, 4399, 4411
BONE CEMENTS: 4192
BONE DEVELOPMENT: 139, 141, 191, 451, 495, 632, 983, 2873, 3259, 4328
BONE DISEASES: 433, 753, 1028, 1588, 1598, 2033, 2245–2246, 2374, 2483, 2530, 2659, 2904, 3062, 3126, 3176, 4239, 4246, 4391, 4411, 4438
BONE DISEASES, DEVELOPMENTAL: 1138, 1297, 1518, 1595, 3050, 3849
BONE MARROW: 182, 212, 413, 513, 531, 733, 819, 931, 999, 1877, 2590, 2631, 2916, 3140, 3554, 3562, 3578, 3677, 3764, 3941, 4242, 4357
BONE MARROW DISEASES: 1216, 4239
BONE MARROW EXAMINATION: 1533, 3500
BONE MATRIX: 2428, 4329
BONE NAILS: 1891, 2523
BONE NEOPLASMS: 476, 1028, 1156, 1331, 1920, 2137–2138, 2363, 2412, 2551, 2659, 3068, 3267, 3785, 3910, 4093, 4242, 4248, 4306
BONE PLATES: 2873, 2875–2876
BONE REGENERATION: 611, 3576
BONE RESORPTION: 182, 632, 666, 931, 1038, 1479, 1594, 1785, 2263, 2658, 2665, 2873, 3124–3125, 3361, 3601, 3723, 3833–3834, 3925, 4067, 4125, 4328, 4411
BORATES: 3523
BORDETELLA PERTUSSIS: 1852, 3827
BORIC ACIDS: 2924
BRADYCARDIA: 3106
BRADYKININ: 62, 421, 1059, 1786, 2264, 2539, 3242, 3577, 4073
BRAIN: 6, 9, 28, 37, 46, 89, 114, 121, 123, 181, 199, 213, 227, 273, 301, 309–310, 343, 383, 399, 407, 425, 465, 482, 533, 540, 569, 575, 659, 665, 667, 683, 701, 772, 778, 780, 787, 817, 838, 871, 889, 891, 966, 975, 993, 1033, 1077, 1161, 1187, 1275, 1303, 1333, 1363–1364, 1413, 1417, 1437, 1486, 1568, 1590, 1599, 1641, 1643, 1658, 1672, 1706, 1740, 1760, 1887, 1921, 1923–1925, 1959, 2007, 2055, 2076, 2097, 2123, 2236–2237, 2340, 2351, 2364, 2376, 2388, 2401, 2433, 2450, 2477, 2499, 2520, 2568, 2573, 2602, 2628, 2630, 2647, 2662, 2678, 2706, 2709, 2722, 2794, 2860, 3003, 3067, 3070, 3093–3094, 3101, 3122, 3180, 3186, 3221, 3236, 3261, 3288, 3291, 3386, 3400, 3412, 3423, 3598, 3634, 3642, 3648, 3688, 3710, 3744, 3768, 3819, 3839, 3847, 3926, 3973, 4001–4002, 4017, 4032, 4035, 4068, 4076, 4086, 4095, 4128, 4154, 4157, 4169, 4184, 4232, 4240, 4249, 4347, 4358
BRAIN ABSCESS: 1014, 3288
BRAIN CHEMISTRY: 190, 374, 424, 426, 592, 838, 1161, 1187, 1202, 1364, 1419, 1824, 1829, 1979, 1986, 2061, 2079, 2233, 2235, 2296, 2450, 3047, 3207, 3647, 3651, 3847, 4044, 4089, 4208, 4361, 4366
BRAIN DISEASES: 384, 659, 712, 741, 990, 1053, 2609, 2914–2915, 3238, 3552, 3560, 3650, 3830, 3887
BRAIN DISEASES, METABOLIC: 1418
BRAIN EDEMA: 1721, 1833
BRAIN INJURIES, ACUTE: 1014, 2540, 2848, 3288
BRAIN MAPPING: 38, 123, 631, 705, 942, 977, 1554, 1706, 2052, 2133, 2333, 2395, 2406, 2783, 3292, 3372–3373, 3555, 3567, 3793, 3996–3997, 4000, 4043, 4404
BRAIN NEOPLASMS: 138, 359, 535, 874, 915, 1014, 1452, 1464, 1574, 1992, 2166, 2198, 2238, 2442, 2712, 2730, 3169, 3204, 3351, 3404, 3435, 3608, 3738, 3910, 3944, 4177, 4230, 4310
BRAIN STEM: 14, 114, 177, 213, 705, 1202, 1314, 1455, 2406, 2462, 2521, 2961, 3112, 3325, 3444, 3997, 4354, 4404
BRASSICA: 2648, 4377
BREAD: 4123
BREAST: 84, 396, 769, 1207, 1330, 1395, 1698, 2158, 2735, 3175
BREAST DISEASES: 91, 396, 590, 2094, 2105, 2554
BREAST FEEDING: 474, 478, 3289, 3979
BREAST NEOPLASMS: 91, 207, 380, 385, 396, 400, 469, 485, 490, 538, 639, 643, 1163, 1301, 1331, 1472, 1475, 1507, 1635, 1650, 1675, 1895, 1900, 1928, 1984, 2059, 2094, 2145, 2158, 2244, 2281, 2349, 2363, 2390, 2431, 2497, 2563, 2638–2639, 2658, 2665, 2681, 2732, 2901, 2928, 2946, 2964, 3030, 3033, 3079, 3108, 3129, 3133, 3191, 3216, 3265–3266, 3317, 3367, 3374, 3404, 3867, 3891, 3932, 4108, 4449
BREEDING: 881, 2736
BRENNER TUMOR: 604
BRIDGED COMPOUNDS: 4169
BROMIDES: 2740
BROMINE: 4350
BROMODEOXYURIDINE: 26, 1808, 1836, 2991, 3348
2-BROMOERGOCRYPTINE: 58, 156, 229, 478, 503, 592, 708, 710, 746, 1094, 1226, 1401, 1415, 1434, 1704, 2113, 2279, 2346, 2384, 2424, 2565, 2581, 2624, 2646, 2761, 2945, 3171, 3527, 3538, 3685, 3740, 4415, 4426, 4442
2-BROMOLYSERGIC ACID DIETHYLAMIDE: 698, 1247, 3112
BRONCHI: 3201, 3755
BRONCHIAL DISEASES: 1095, 2482
BRONCHIAL NEOPLASMS: 1217, 1675, 4167
BRONCHIAL SPASM: 1348, 2539, 3130, 3755
BRONCHITIS: 3933
BRONCHODILATOR AGENTS: 2539, 3868
BRONCHOPNEUMONIA: 2426
BRONCHOSCOPY: 2525
BROWN FAT: 3619–3620
BUDGETS: 1411
BUFANOLIDES: 3167
BUFFALOES: 312–313, 3522
BUFFERS: 297, 1954, 4103
BUFO: 341, 3478, 4348
BUFO BUFO: 1349
BUFO MARINUS: 892, 2308, 2747, 3337, 4111, 4229
BUMADIZONE: 1802
BUNGAROTOXINS: 1218
BUNITROLOL: 2490
BUPIVACAINE: 2128
BURIAL: 2067
BURKITT'S LYMPHOMA: 3054
BURNING MOUTH SYNDROME: 2126
BURNS: 873, 1005, 1565, 2015, 2109, 3500, 4249–4250, 4443
BURNS, CHEMICAL: 2108–2109, 2635, 2931, 3161
BURSA OF FABRICIUS: 1199
BUSULFAN: 1052, 4012
BUTACLAMOL: 3094
BUTADIENES: 494
BUTANONES: 323
BUTTOCKS: 622, 1700
BUTYLATED HYDROXYTOLUENE: 1203
BUTYRATES: 57, 312, 777, 1078, 3582, 3727, 4158
BUTYRIC ACIDS: 1078
BUTYROPHENONES: 2391

C

C-TYPE VIRUSES: 2062, 2224
CADAVER: 102, 2067, 3297, 4211
CADMIUM: 441, 1694, 3516, 3848
CADMIUM POISONING: 441, 1164, 2547
CAFFEINE: 919–920, 1473, 1831, 2206, 2660, 2851, 3516, 3863, 4138
CALCIFICATION, PHYSIOLOGIC: 419, 864, 989, 1260, 2242, 2428, 3109, 3162, 3731, 4112, 4205
CALCINOSIS: 563, 989, 1115, 1376, 1418, 2259, 2738, 2773, 3067, 3091, 3183, 3315, 3324, 3360, 3581, 3606, 4248, 4310
CALCITONIN: 95, 221, 579, 689, 691, 736, 822, 884, 1361, 1434, 2551, 2962, 3051, 3126, 3151, 3225, 3713, 3811, 3834, 3962, 4108, 4129, 4450
CALCIUM: 8, 35, 44, 53, 72, 81, 94–95, 119, 144, 167, 170, 216, 226–227, 300, 302, 342, 360–361, 381, 390, 405, 435, 441, 455, 466, 470, 495, 542–543, 548, 552, 571, 579, 585, 589, 596, 605, 627–628, 659, 663–664, 666–667, 691, 699, 714, 719–720, 724, 727, 767, 780, 795, 822, 849, 883, 888, 906, 919–920, 925–926, 931, 938, 943, 948, 952, 1038, 1044, 1082, 1103, 1109, 1118, 1130, 1188, 1212, 1214, 1225, 1260, 1265, 1298–1299, 1304, 1325, 1329, 1332, 1349, 1385, 1387, 1410, 1442, 1473, 1479–1481, 1495, 1499, 1523, 1528, 1570, 1572, 1580, 1583, 1591, 1594–1595, 1598, 1643, 1655, 1684, 1722, 1754, 1793, 1799, 1844, 1852, 1870, 1913, 1917, 1924, 1938, 1979, 1982, 2033, 2037, 2048, 2097, 2103, 2114, 2120, 2146, 2151, 2154, 2157, 2171, 2201, 2206, 2231, 2242, 2249, 2251, 2263, 2266, 2274, 2281, 2294, 2302, 2310, 2317, 2326, 2358, 2404, 2425, 2465, 2483–2485, 2491, 2500, 2532, 2581, 2625, 2640, 2658, 2660, 2662, 2674, 2683, 2716, 2719, 2744, 2752, 2760, 2769, 2789, 2829, 2851–2852, 2855, 2871, 2873, 2875, 2885, 2891, 2898–2899, 2902, 2939–2940, 2942, 2953, 2957, 2962–2963, 2984, 2986–2987, 3051, 3060, 3067, 3091, 3099–3100, 3109, 3117, 3123, 3126, 3162, 3167–3168, 3177, 3187, 3225, 3231, 3242, 3247, 3289, 3324, 3361, 3392, 3399, 3410–3411, 3428, 3432, 3467, 3471, 3495, 3516, 3524, 3541, 3545, 3570, 3579, 3581, 3663, 3670–3671, 3675, 3713, 3716, 3736, 3757, 3767, 3804, 3809, 3815–3816, 3834, 3863, 3876, 3921, 3937, 3950, 3962–3963, 3983, 4015, 4052, 4067, 4071, 4123, 4146, 4157, 4185, 4195, 4203, 4231, 4235, 4243, 4285, 4302, 4316, 4318, 4339, 4349, 4365, 4370, 4419, 4450
CALCIUM-BINDING PROTEIN, VITAMIN D-DEPENDENT: 948, 2425, 4370
CALCIUM CARBONATE: 2720
CALCIUM CHLORIDE: 1913, 3777
CALCIUM-DEPENDENT REGULATOR: 1979, 4318
CALCIUM, DIETARY: 142, 1418, 1480, 1799, 2474, 2719, 4040, 4328–4330, 4370
CALCIUM GLUCONATE: 656
CALCIUM ISOTOPES: 2716
CALCIUM METABOLISM DISORDERS: 1870, 2483
CALCIUM PHOSPHATES: 390, 897, 1260, 2019, 3460
CALCIUM PYROPHOSPHATE: 1244, 3320
CALCIUM RADIOISOTOPES: 926, 3392
CALIFORNIUM: 3485
CALLUS: 1920
CALORIC INTAKE: 900, 1128, 2084, 2973, 3947, 3959, 3990, 4341, 4351
CALORIMETRY: 654, 1459
CAMELS: 2667
CAMPTOTHECIN: 507
CANCER CARE FACILITIES: 2244, 2714
CANDIDA: 3153
CANDIDA ALBICANS: 1911, 2860, 3605, 3871
CANNABINOIDS: 354
CANRENOATE POTASSIUM: 135
CANRENONE: 135, 994
CAPILLARIES: 522, 1502, 1625, 2601, 3280, 3365, 3498, 3971, 4257–4258
CAPILLARY PERMEABILITY: 1017, 1543, 2601, 2844, 3711
CAPROATES: 927, 1369
CARBACHOL: 114, 760, 1380, 1438, 2539, 2852, 3048, 3100, 3337, 3541, 3653, 3727, 3750, 3761, 3900, 4229, 4362
CARBAMATES: 3727
CARBAMAZEPINE: 205, 1926, 2750, 3260
CARBAZOLES: 2539
CARBIMAZOLE: 506, 1526, 1673, 3234, 3643, 3660, 4241
CARBOCYANINES: 2358
CARBOFURAN: 713
CARBOHYDRATES: 21, 623, 925–926, 1104, 1133, 1539, 2216, 2267, 2382, 2581, 3521, 4095, 4108, 4252, 4285, 4313
CARBOLINES: 465, 3555
CARBON: 125, 1944
CARBON DIOXIDE: 1049, 1975, 2045, 2441, 3048
CARBON MONOXIDE: 2433
CARBON RADIOISOTOPES: 106, 475, 624, 3116
CARBON TETRACHLORIDE: 3632
CARBON TETRACHLORIDE POISONING: 1670
CARBONATES: 897, 3201
CARBONIC ANHYDRASE: 2252, 3826
CARBONYL CYANIDE P-TRIFLUOROMETHOXYPHENYLHYDR: 1577
CARBOXY-LYASES: 96, 166, 323, 699, 787, 1324, 1568, 1925, 3811
1-CARBOXYGLUTAMIC ACID: 2767, 3058
CARBOXYLIC ACIDS: 3058

CARBOXYPEPTIDASES: 244, 1059, 2264
CARCINOEMBRYONIC ANTIGEN: 689, 1331, 1463, 1639, 3313, 4108
CARCINOGENS: 1392, 1671, 1928, 3189, 3300, 3615, 4410
CARCINOGENS, ENVIRONMENTAL: 2563
CARCINOID TUMOR: 64, 2180, 2200, 3814, 3964, 4434
CARCINOMA: 128, 550, 740, 973, 1046–1047, 1156, 1639, 1900, 1965, 2460, 2637, 2946, 3314, 3462, 3696, 3854, 3936, 4046, 4210
CARCINOMA 256, WALKER: 2923
CARCINOMA, BASAL CELL: 510, 2295
CARCINOMA, BRONCHOGENIC: 689, 1156, 2059
CARCINOMA, DUCTAL: 469, 1900, 3216, 3266
CARCINOMA, EHRLICH TUMOR: 1998, 3582
CARCINOMA, EPIDERMOID: 222, 443, 1102, 1156, 1159, 1443, 3357, 3447, 3606, 3854
CARCINOMA IN SITU: 3216, 3266, 3618
CARCINOMA, MUCINOUS: 1846, 3022, 3812
CARCINOMA, OAT CELL: 298, 850, 1463, 3357
CARCINOMA, PAPILLARY: 443, 722, 973, 1039, 1472, 1639, 2099, 3462, 3700, 3915
CARCINOMA, TRANSITIONAL CELL: 1869
CARCINOSARCOMA: 3936
CARDIAC OUTPUT: 319, 364, 486, 776, 805, 997, 1011, 1211, 1699, 2447, 2742, 3721
CARDIAC VOLUME: 1042, 3184
CARDIOPULMONARY BYPASS: 557
CARDIOSPASM: 3441
CARDIOVASCULAR DISEASES: 433, 3115, 3130
CARDIOVASCULAR SYSTEM: 1688, 4171
CARMUSTINE: 915, 2198, 2771
CARNITINE: 377, 523
CARNITINE PALMITOYLTRANSFERASE: 523
CARNIVORA: 508
CAROTENOIDS: 1266
CAROTID ARTERIES: 120, 564, 1050, 1470, 4258
CAROTID ARTERY DISEASES: 835, 3976
CAROTID ARTERY, INTERNAL: 835, 3976
CAROTID BODY: 3704
CAROTID SINUS: 564, 2243
CARP: 1875, 2077, 3498, 3686, 3987
CARPAL BONES: 1319
CARPAL TUNNEL SYNDROME: 1321
CARRAGEENAN: 733, 1340, 1543
CARRIER PROTEINS: 217, 542, 634, 651, 680, 1016, 1481, 1979, 2425, 2475, 3281, 3333, 3635, 3805, 3819, 3832, 3876, 4189, 4318, 4370
CARTILAGE: 419, 451, 495, 611, 1164, 1595, 1953, 2593, 3050, 3124, 3175, 3731, 3811, 4205
CARTILAGE, ARTICULAR: 798, 1124, 1802, 2260, 3576
CARTILAGE DISEASES: 563, 1595, 3050
CASEIN: 559, 1454, 1603–1604, 1639, 2944, 3102
CASTRATION: 25, 84, 87, 103, 128, 252, 278, 286, 400, 403, 472, 532, 544, 583, 594, 636, 725, 727, 749, 754, 774, 802, 816, 901, 946, 1037, 1129, 1206, 1221, 1242, 1249, 1259, 1386, 1456, 1499–1500, 1529, 1583, 1600–1601, 1621, 1666, 1686, 1781, 2032, 2050, 2104, 2178, 2250, 2279, 2349, 2370, 2488, 2502, 2514, 2709, 2713, 2745, 2756, 2900, 2960, 2973, 3079, 3132, 3160, 3369, 3388, 3486, 3508, 3510–3511, 3538, 3646, 3655, 3758, 3812, 3873, 3880, 3924, 3996, 4034, 4069, 4122, 4184, 4238, 4251, 4264, 4292, 4340–4341, 4373
CATALASE: 446, 1043, 1437, 1681, 3578
CATALEPSY: 612, 630, 701, 2629, 3384, 3400
CATALYSIS: 34, 361, 1663, 2213
CATARACT: 519, 2001, 4319
CATARACT EXTRACTION: 2582, 3390
CATECHOL METHYLTRANSFERASE: 176, 305–307, 667
CATECHOLAMINES: 12, 27, 167, 294, 301, 319, 364, 366, 424, 688, 694, 770, 906, 951, 1046, 1062, 1068, 1183, 1191, 1305, 1361, 1440, 1486, 1530, 1539, 1568, 1577–1578, 1614, 1629, 1684, 1732, 1816, 1853, 1882, 1978, 1990, 2071, 2174, 2409, 2490, 2572, 2641, 3006, 3070, 3106, 3110, 3321, 3400, 3413, 3516, 3528, 3544, 3672, 3679, 3722, 3771, 3856, 3914, 3965, 4051, 4194, 4213, 4358
CATHARTICS: 365, 4453
CATHEPSINS: 1877, 3186
CATHETERIZATION: 164, 835, 2253, 3610, 4030, 4430
CATIONS: 81, 575, 1320, 2302, 2821
CATIONS, DIVALENT: 1695, 1907, 1958, 2760, 3603
CATIONS, MONOVALENT: 2711, 2942
CATS: 10, 14, 177, 213, 226, 251, 280, 291, 401, 1062, 1183, 1186, 1190, 1202, 1340, 1417, 1482, 1545, 1778, 1913, 2003, 2007, 2133, 2152, 2192, 2206, 2215, 2333, 2376–2377, 2604, 2633, 2816, 2897, 3155, 3372, 3384, 3456, 3475, 3497, 3552, 3621, 3679, 3704, 3719, 3751, 3912, 4204, 4231
CATTLE: 34, 39, 76, 86, 163–164, 167, 180, 218, 231, 241, 305–307, 331, 363, 386, 419, 500, 578, 597, 599, 845, 946, 951, 972, 1006, 1046, 1049, 1133, 1182, 1252, 1295, 1397, 1417, 1470–1471, 1493, 1532, 1546, 1557, 1577, 1591, 1594, 1613, 1709, 1756, 1902, 1930, 1953–1954, 1979, 1997, 2048, 2172, 2185, 2219, 2234, 2266, 2287, 2303, 2354, 2398, 2575, 2577, 2579, 2587, 2604, 2609, 2715, 2736, 2762, 2767, 2775, 2951, 2984, 3001, 3025, 3040, 3058, 3074, 3091, 3122, 3138–3139, 3182, 3218, 3226, 3231, 3293, 3381, 3402, 3516, 3522, 3564, 3704, 3729, 3740, 3804, 3858, 3863, 3894, 3921, 3927, 3990, 3992, 4006–4007, 4010, 4084, 4109, 4112, 4114, 4128, 4142–4143, 4208, 4212, 4277, 4297, 4312, 4316–4317, 4322, 4342, 4345, 4349, 4361, 4389
CATTLE DISEASES: 76, 86, 500, 599, 1930, 2736, 3025, 3091, 3564
CAUCASOID RACE: 900, 1335, 3509
CAUDATE NUCLEUS: 28, 149, 414, 683, 1419, 1478, 1557, 1711, 2477, 2629–2630, 3997, 4212
CAUTERY: 2635
CAVERNOUS SINUS: 835, 2352
CECUM: 2986–2987, 3541, 3809
CEFAZOLIN: 3457, 3677
CELIAC DISEASE: 140, 1004, 2159, 4055
CELL ADHESION: 890, 1125, 1790, 2786
CELL AGGREGATION: 1524, 2100, 2328, 2908
CELL COMMUNICATION: 2281, 3995
CELL COMPARTMENTATION: 896, 3381
CELL COUNT: 137, 414, 525, 1693, 2631, 3522, 4345
CELL CYCLE: 230, 555, 1392, 2787, 2939, 3024, 3075, 3301–3302
CELL DIFFERENTIATION: 60, 353, 507, 748, 788, 908, 956, 980, 1033, 1078, 1323–1324, 1617–1618, 1678, 1752, 1877, 1981, 2161, 2224, 2312, 2422, 2472, 2908, 2952, 3302, 3328, 3368, 3611, 3692, 3941, 4158, 4357, 4368
CELL DIVISION: 57, 165, 203, 261, 357, 591, 614, 908, 1010, 1078, 1323, 1361, 1678, 1716, 1790, 2281, 2420, 2717, 2807, 2952, 2995, 3010, 3012, 3076, 3122, 3301–3302, 3611, 4059, 4158, 4226, 4345
CELL FRACTIONATION: 145, 390, 429, 1981, 2951, 2965, 3040, 3381, 3675, 3894, 4232, 4302, 4381
CELL-FREE SYSTEM: 127, 337, 415, 780, 2353, 3444, 3686, 4084
CELL FUSION: 719
CELL LINE: 26, 57, 145, 172, 298, 507, 575, 614, 699, 908, 910, 956, 981, 993, 1027, 1125, 1287, 1324, 1372, 1584, 1790, 1829, 1836, 1884, 1935, 1981, 1996, 2102, 2190, 2212, 2216, 2224, 2281, 2420, 2443, 2691, 2717, 2726, 2806–2807, 3024, 3129, 3212, 3264, 3301, 3348, 3368, 3404, 3491, 3530, 3579, 3692, 3750, 3761, 3872, 4158, 4218
CELL MEMBRANE: 33, 65, 72, 99, 101, 154, 165, 174, 223, 231, 351, 375, 422, 429, 495, 671, 719, 832, 892, 912, 919, 981, 1031, 1082, 1281, 1361, 1366, 1410, 1469, 1524, 1678, 1701, 1747, 1939, 1976, 1980–1981, 2106, 2151, 2190, 2217, 2294, 2306, 2437, 2465, 2480, 2561, 2579, 2719, 2772, 2866, 2917, 2951, 2965, 3006–3007, 3010, 3013, 3138–3139, 3242, 3301, 3304, 3466, 3478, 3493, 3498, 3514, 3530, 3553, 3569, 3716, 3819, 3927, 3938, 4052, 4086, 4109, 4111, 4141, 4219, 4252, 4277, 4381
CELL MEMBRANE PERMEABILITY: 80, 203, 225, 788, 883, 892, 1694, 2161, 2281, 2465, 2817, 2850, 3675, 4185, 4252, 4348
CELL MIGRATION INHIBITION: 1809, 2553, 3985
CELL MOVEMENT: 422, 440, 890, 1180, 1991, 2116, 2622, 2631, 3711, 3764
CELL NUCLEOLUS: 1304, 3514
CELL NUCLEUS: 31, 38, 57, 79, 90, 321, 483, 495, 634, 657, 784, 863, 872, 1106, 1143, 1198, 1320, 1576, 1601, 1678, 1695, 1780, 1931, 2207, 2226, 2240, 2316, 2392, 2443, 2651, 2671, 2763, 2866, 3012, 3066, 3222, 3319, 3342, 3415, 3514, 3563, 3611, 3680, 3686, 3691, 3731, 3769, 4084, 4114, 4333, 4353, 4375
CELL NUMBER: 38, 162, 591, 749, 1015, 1167, 1194, 1253, 1259, 1424, 1611, 1617–1618, 1633, 1716, 1804, 1874, 2281, 2359, 2365, 2409, 2580, 3301, 3377, 3654, 3715, 3731, 3740, 3980, 4195
CELL SEPARATION: 513, 2334, 2420, 2786, 3254, 3553, 3915
CELL SURVIVAL: 696, 1027, 1092, 1301, 1324, 2084, 2212, 2311, 3764
CELL TRANSFORMATION, NEOPLASTIC: 614, 908, 1472, 1935, 2281, 2939, 3413, 3915
CELL TRANSFORMATION, VIRAL: 57, 614, 1884, 3615
CELL WALL: 221, 1469
CELLS: 1078, 2935, 3399
CELLS, CULTURED: 54, 65, 75, 107, 165, 203–204, 210, 284, 357, 391, 505, 669, 671, 707, 931, 943, 1045, 1078–1079, 1099, 1151, 1293, 1300, 1304–1305, 1316, 1323, 1410, 1448, 1477, 1576, 1583, 1612, 1678, 1687, 1716, 1770, 1791, 1847, 1898, 1957, 2161, 2223, 2270, 2360, 2458, 2655, 2658, 2758, 2825, 2837, 2855, 2910, 2932, 2939, 2952, 3015, 3302, 3312, 3352, 3569, 3636, 3811, 3911, 3995, 4115, 4122, 4160, 4210, 4276, 4315, 4357, 4368
CELLULAR INCLUSIONS: 1143, 2106
CELLULITIS: 3044
CELLULOSE: 576, 2361, 2651, 3101, 4123
CENTRAL NERVOUS SYSTEM: 486, 543, 553, 567, 998, 1186, 1216, 1312, 1504, 1519, 1787, 2014, 2324, 2562, 3253, 4176, 4250, 4316
CENTRAL NERVOUS SYSTEM DEPRESSANTS: 4363
CENTRAL NERVOUS SYSTEM DISEASES: 3444
CENTRAL VENOUS PRESSURE: 997
CENTRIFUGATION, DENSITY GRADIENT : 390, 1081, 1836, 1848, 3597, 3894
CENTROMERE: 2862
CEPHALOMETRY: 3062
CEPHALOSPORINS: 3677, 4271
CEPHALOTHIN: 4192
CERAMICS: 2019
CERCOPITHECUS: 3779
CERCOPITHECUS PYGERYTHRUS: 2734
CEREALS: 1
CEREBELLAR ATAXIA: 271
CEREBELLAR CORTEX: 1482, 3634, 3840
CEREBELLAR DISEASES: 3324
CEREBELLAR NEOPLASMS: 1992
CEREBELLAR NUCLEI: 14, 1482, 2783, 3497, 3793
CEREBELLUM: 273, 294, 301, 384, 641, 1706, 1829, 2388, 3874, 4032, 4232, 4378
CEREBRAL ANEURYSM: 384, 3976, 4177, 4265
CEREBRAL ANGIOGRAPHY: 1234, 1918, 2259, 2693, 3288, 4177
CEREBRAL ANOXIA: 807
CEREBRAL AQUEDUCT: 177, 1413, 1599
CEREBRAL ARTERIES: 1234
CEREBRAL ARTERY DISEASES: 411
CEREBRAL CORTEX: 114, 236, 245, 466, 569, 775, 784, 787, 942, 977, 1103, 1202, 1396, 1519, 1711, 1779, 1829, 1989, 2007, 2351, 2364, 2461, 2477, 2775, 2995, 3032, 3047, 3156, 3291, 3423, 3634, 3840, 3951, 4001, 4032, 4110, 4232, 4404
CEREBRAL EMBOLISM AND THROMBOSIS: 277, 1014
CEREBRAL HEMORRHAGE: 1679, 3560, 4177
CEREBRAL INFARCTION: 874, 1679, 2013, 3235
CEREBRAL ISCHEMIA, TRANSIENT: 2013
CEREBRAL VENTRICLE NEOPLASMS: 1159, 1743, 3560
CEREBRAL VENTRICLES: 60, 954, 1187, 1345, 2055–2056, 2192, 2783, 3768, 3900, 4184
CEREBROSIDES: 3569, 4002
CEREBROSPINAL FLUID: 2056, 3738, 4230
CEREBROSPINAL FLUID PROTEINS: 199, 3213
CEREBROSPINAL FLUID SHUNTS: 991, 1743, 2166
CEREBROVASCULAR CIRCULATION: 667, 975, 2288, 2730, 3926
CEREBROVASCULAR DISORDERS: 36, 835, 975, 1014, 1115, 1672, 1679, 1855, 1871, 2259, 2426, 2626, 2678, 3542, 4401, 4403
CERVICAL PLEXUS: 3180, 3246

CERVIX DYSPLASIA: 2541
CERVIX INCOMPETENCE: 2036
CERVIX MUCUS: 85, 1197, 3251, 3837, 4298
CERVIX NEOPLASMS: 222, 397, 476, 1243, 1375, 1675, 1678, 2529, 2541, 3191, 3447
CERVIX UTERI: 648, 679, 687, 998, 1399, 1678, 2227, 2361, 2556, 2589, 4256
CESAREAN SECTION: 296, 321, 592, 1864, 2578
CESIUM RADIOISOTOPES: 1, 2185
CHARCOAL: 363, 576, 1987, 2779
CHEDIAK-HIGASHI SYNDROME: 890, 1180
CHEEK: 653
CHELATING AGENTS: 2097
CHEMICAL INDUSTRY: 3901
CHEMISTRY: 9, 34, 361, 597, 893, 1096, 1104, 1182, 1536, 2251, 2401, 2446, 2575, 2698, 2735, 2805-2806, 2872, 2917, 2953, 3058, 3418, 3446, 3729, 3757, 3972, 4057, 4199, 4410
CHEMISTRY, CLINICAL: 2225
CHEMISTRY, PHYSICAL: 1260, 1587, 3418
CHEMORECEPTORS: 1455, 2622
CHEMOTAXIS, LEUKOCYTE: 1180, 1680, 3500, 3727
CHIARI-FROMMEL SYNDROME: 858
CHICK EMBRYO: 402, 527, 906, 980, 1113, 1121, 1198-1199, 1305, 1424, 1520, 1733, 1847, 2422, 2608, 2917, 3017, 3644, 3739
CHICKENPOX: 1234, 2642
CHICKENS: 31, 227, 527, 898, 948, 974, 1121, 1184, 1792, 1802, 1812, 1847, 1950, 2017, 2041, 2422, 2488, 2492, 2574, 2648, 2772, 2891, 3086, 3319, 3540, 3644, 3686, 3775-3776, 3808, 4083, 4276, 4294
CHILD: 3, 12, 40, 44, 50-51, 64, 116, 124, 129, 132, 139-140, 194, 228, 255, 262, 265, 283, 289, 303, 324, 336, 340, 345-346, 359, 371, 456, 505, 512, 528, 533, 560, 571, 581, 591, 593, 595, 598, 601, 627-628, 644, 651, 653, 667, 741, 743, 745, 750, 785-786, 796, 855, 868, 885, 915, 936, 941, 945, 958, 985, 991, 1004, 1007, 1022, 1038, 1047, 1058, 1069, 1089, 1098, 1107, 1111, 1124, 1138, 1144, 1165, 1167, 1172, 1178, 1210, 1216, 1222, 1224, 1262, 1318-1319, 1339, 1371, 1376, 1407, 1413, 1423, 1449, 1513, 1522, 1535, 1544, 1547, 1552, 1555, 1563, 1565, 1567, 1574, 1595, 1611, 1626, 1659, 1689, 1712, 1717, 1729-1730, 1736, 1738, 1772, 1785, 1794, 1796, 1822, 1831-1832, 1862, 1876, 1889, 1940-1941, 1972, 1992, 2000-2001, 2026, 2057, 2109, 2138, 2145, 2159, 2166, 2196, 2211, 2232, 2238, 2244, 2261, 2269, 2289, 2351, 2356, 2368, 2385-2386, 2397, 2429, 2436, 2459, 2469, 2483, 2506, 2526, 2530, 2540, 2563, 2593, 2596, 2610, 2623, 2641, 2659, 2672, 2718, 2721, 2724, 2730, 2733, 2755, 2774, 2781, 2804, 2847, 2857, 2863, 2900, 2924, 2932, 2938, 2975, 2981, 2983, 3065, 3068, 3084-3085, 3136-3137, 3142, 3152, 3161, 3176, 3204-3205, 3208, 3214, 3243, 3250, 3267, 3271-3272, 3297, 3299, 3307, 3318, 3324, 3329, 3359-3360, 3406-3408, 3415, 3426, 3431, 3435, 3445, 3472, 3531, 3535, 3560, 3592, 3608, 3630, 3645, 3657, 3659, 3667, 3694, 3696, 3700-3701, 3706, 3717, 3732, 3736, 3749, 3772, 3787, 3797, 3806, 3817, 3845, 3848, 3854, 3859, 3864, 3886-3887, 3910, 3933-3935, 3942, 3944, 3957-3958, 4027, 4048, 4055, 4066, 4076, 4127, 4130, 4149, 4166, 4182, 4205, 4228, 4230, 4246-4247, 4260, 4262, 4268, 4283, 4360, 4374, 4387, 4392, 4398, 4422
CHILD ABUSE: 1588
CHILD BEHAVIOR: 533, 4180
CHILD CARE: 686
CHILD DAY CARE CENTERS: 4371
CHILD DEVELOPMENT: 1172, 3717, 4371
CHILD, INSTITUTIONALIZED: 985
CHILD NUTRITION: 1567
CHILD, PRESCHOOL: 12, 40, 50, 111, 116, 124, 129, 132, 182, 262, 272, 283, 303, 336, 340, 346, 359, 456, 512, 533, 560, 595, 649, 667, 686, 728, 741, 743, 745, 796, 806, 915, 936, 958, 985, 991, 1004, 1022, 1069, 1098, 1165, 1167, 1216, 1318, 1339, 1423, 1453, 1522, 1547, 1555, 1565, 1574, 1626, 1729, 1772, 1777, 1785, 1835, 1940-1942, 1949, 1955, 2000, 2022, 2026-2027, 2057, 2159, 2166, 2176, 2196, 2238, 2261, 2269, 2368, 2386, 2436, 2459, 2469, 2483, 2521, 2530, 2591, 2596, 2641, 2668, 2672, 2730, 2733, 2781, 2804, 2900, 2924, 2959, 2981, 2983, 3062, 3065, 3085, 3136, 3161, 3204, 3214, 3241, 3243, 3250, 3267, 3272, 3297, 3307, 3351, 3359, 3407, 3535, 3585, 3608, 3630, 3645, 3657, 3667, 3694, 3717, 3736, 3749, 3772, 3783, 3806, 3845, 3854, 3919, 3933, 3961, 3986, 4055, 4076, 4127, 4130, 4166, 4205, 4207, 4228, 4246, 4262, 4268, 4319, 4334, 4356, 4360, 4371, 4374, 4387, 4398, 4422
CHILD PSYCHIATRY: 686
CHILD REARING: 686
CHIMERA: 1079, 2823
CHIMPANZEES: 1834, 2656, 2865, 4262
CHINCHILLAS: 2018, 2544, 3350, 4372
CHIPMUNKS: 969
CHIROPTERA: 642, 705
CHITIN: 3952
CHLORAL HYDRATE: 701
CHLORAMBUCIL: 4, 467, 525, 2600, 3592, 3742
CHLORAMINES: 4026
CHLORAMPHENICOL: 464, 2691, 2773
CHLORDAN: 713
CHLORHEXIDINE: 3801
CHLORIDES: 322, 365, 1694, 2049, 2069, 2359, 3067, 3271, 3675, 3740, 3980, 4103
CHLORIMIPRAMINE: 1641, 2573
CHLORINE: 4350
CHLORISONDAMINE: 1881
CHLORMADINONE: 1243, 2583
CHLORMETHAMPHETAMINE: 2296
P-CHLOROAMPHETAMINE: 683, 1161, 2996, 3112, 3655
CHLOROBENZENES: 2656
O-CHLOROBENZYLIDENE MALONITRILE: 621
CHLOROFORM: 1307, 2643
P-CHLOROPHENYLALANINE: 774, 810, 871, 1114, 1314, 2181, 2233, 2237, 2533, 3112, 3710, 3883, 4044
CHLOROPHYLL: 2414
CHLOROPLASTS: 3920
CHLOROQUINE: 1266, 1448, 3895, 3958, 4374
CHLOROTHIAZIDE: 1914
CHLORPHENAMIDINE: 2996, 4322
CHLORPROMAZINE: 206, 410, 2235, 3555
CHLORPROPAMIDE: 2789
CHLORQUINALDOL: 346
CHLORTETRACYCLINE: 2317
CHLORTHALIDONE: 1258, 2188, 3643, 3846
CHOICE BEHAVIOR: 1070
CHOLANGIOGRAPHY: 1741
CHOLANGITIS: 1741, 3083
CHOLECALCIFEROLS: 651, 864, 943, 948, 1038, 1799, 2084, 2371, 2379, 2404, 2738, 3051, 3225, 3581, 3686, 3808, 3842, 4355
CHOLECYSTECTOMY: 369, 3116
CHOLECYSTITIS: 3534
CHOLECYSTOGRAPHY: 1412, 1741
CHOLECYSTOKININ: 437, 1063, 3412, 3877
CHOLERA TOXIN: 1064, 1146, 1323, 1715, 2403, 2657, 2758, 3122, 3264, 3443
CHOLESTADIENOLS: 408
CHOLESTASIS: 1210, 1484, 1596, 1741, 3083
CHOLESTENES: 4353
CHOLESTEROL: 34, 70, 133, 169, 239, 284, 375, 696, 745, 767, 782, 927, 1119, 1290, 1325, 1369, 1545, 1664, 1770, 1854, 2084, 2318, 2370, 2437, 2460, 2561, 2691, 2757, 2951, 3010, 3107, 3150, 3388, 3410, 3521, 3569, 3628, 3897, 4037, 4377
CHOLESTEROL DESMOLASE: 1397
CHOLESTEROL, DIETARY: 767, 2084, 2516
CHOLESTEROL ESTERS: 284
CHOLESTYRAMINE: 1763, 2456, 4413
CHOLIC ACIDS: 1557, 3304
CHOLINE: 2358, 3258, 3394, 3675, 3740, 4420
CHOLINE ACETYLTRANSFERASE: 414, 772, 1774, 3746, 4158
CHOLINE KINASE: 3258
CHOLINEPHOSPHOTRANSFERASE: 3258
CHOLINERGIC FIBERS: 69, 567, 792, 1444
CHOLINESTERASE INHIBITORS: 681, 831
CHOLINESTERASES: 3070, 3856, 3970, 4194
CHONDROCALCINOSIS: 2683, 3320
CHONDROITIN: 1595
CHONDROITIN SULFATES: 1595, 4006
CHONDROSARCOMA: 648, 4306
CHORDAE TENDINEAE: 2677
CHOREA: 811
CHORIOADENOMA: 2271
CHORIOCARCINOMA: 222, 398, 518, 676, 879, 1736-1737, 1867, 2093, 2558, 3294, 3348, 3389, 3496, 3624, 3769, 3835, 4177
CHORION: 348
CHORIONIC VILLI: 348, 483, 3512
CHORISTOMA: 1452, 3743, 3964
CHOROID: 3390, 4257-4258
CHOROID NEOPLASMS: 3214
CHOROID PLEXUS: 951
CHRISTMAS DISEASE: 302, 450
CHROMAFFIN GRANULES: 688, 1577, 1613, 3040, 3894
CHROMAFFIN SYSTEM: 688, 1542, 1577, 1613, 1816, 3040, 3894, 3927, 4364
CHROMATES: 250
CHROMATIDS: 1935, 4386
CHROMATIN: 228, 788, 2063, 2203, 2240, 2517, 3563, 3654, 4152
CHROMATOGRAPHY: 316, 677, 848, 989, 2663, 3750, 4259, 4361
CHROMATOGRAPHY, AFFINITY: 526, 1658, 2140, 2651, 2936, 3626, 3776
CHROMATOGRAPHY, DEAE-CELLULOSE : 1377, 2401, 2411
CHROMATOGRAPHY, GAS: 106, 777, 989, 1300, 1313, 1751, 1824, 2234, 2652, 3889, 4016
CHROMATOGRAPHY, GEL: 231, 297-298, 583, 597, 970, 1240, 1343, 2025, 2080, 2258, 2264, 2477, 2687, 3129, 3448, 3647, 3992, 4013, 4072, 4313, 4342
CHROMATOGRAPHY, HIGH SPEED LIQUID: 1127, 2017, 2061, 2371, 2494, 2641, 2743, 3047, 3157, 3808
CHROMATOGRAPHY, ION EXCHANGE: 580, 583, 1307, 3647
CHROMATOGRAPHY, LIQUID: 989
CHROMATOGRAPHY, PAPER: 4191
CHROMATOGRAPHY, THIN LAYER: 105-106, 1647, 1750, 1823, 2234, 2398, 2983, 4026
CHROMIUM: 53, 250
CHROMIUM RADIOISOTOPES: 3116
CHROMOSOMAL PROTEINS, NON-HISTONE: 788, 2203, 4152
CHROMOSOME ABERRATIONS: 750, 1935, 2194, 2536, 2591, 2621, 3119, 3849, 4386
CHROMOSOME ABNORMALITIES: 1270, 1518, 2677, 2781, 3224, 4399
CHROMOSOME BANDING: 899, 1079, 1814, 1927, 2262, 2702, 2759, 2932, 2991, 3142, 3197, 3520, 3693
CHROMOSOME DELETION: 1814, 2194, 2991, 3198
CHROMOSOME MAPPING: 2862, 4109, 4314
CHROMOSOMES: 1306, 1678, 1935, 3140, 3311, 3764, 4386
CHROMOSOMES, HUMAN: 595, 1814, 1927, 2026, 2091, 2281, 2341, 2536, 2845, 2888, 2932, 3142, 3197, 3520, 3558, 3596, 3773
CHROMOSOMES, HUMAN, 1-3: 2702
CHROMOSOMES, HUMAN, 4-5: 751
CHROMOSOMES, HUMAN, 6-12: 2194, 3520, 3773
CHROMOSOMES, HUMAN, 13-15: 2888, 3520, 3693, 3773
CHROMOSOMES, HUMAN, 16-18: 2677, 2981
CHROMOSOMES, HUMAN, 19-20: 2845
CHROMOSOMES, HUMAN, 21-22: 1782, 2194, 3693, 3773, 4283
CHRONIC DISEASE: 116, 140, 365, 410, 576, 619, 762, 806, 1178, 1271, 1535, 1655, 1821, 1915, 2043, 2125, 2169, 2196, 2285, 2505, 2653, 2699, 2998, 3065, 3115, 3206, 3217, 3323, 3457, 3664, 3702, 3901, 4091, 4097-4098, 4387
CHRONOLOGY: 3410
CHYLOMICRONS: 284
CHYMOTRYPSIN: 984, 1278, 3340, 3788
CICATRIX: 558
CILIA: 883
CILIARY BODY: 316, 1849, 2492, 3390
CIMETIDINE: 188, 503, 585, 808, 869, 1063, 1746, 1805, 2478, 3536, 3589
CINANSERIN: 1247, 2996
CINNARIZINE: 1265
CIRCADIAN RHYTHM: 104, 176, 309, 416, 472, 477, 650, 759, 785, 923, 1277, 1392, 1492, 1614, 1651, 1726, 1771, 1817, 1847, 1858, 1941, 1950, 1969, 2041, 2512, 2636, 2652, 2700, 2727, 2774, 3005, 3172, 3202, 3211, 3225, 3248, 3252, 3257, 3410, 3625, 3659, 3724, 3789, 3943, 4000, 4042, 4074, 4209, 4362-4363
CIRCULAR DICHROISM: 1252, 1946, 2018, 4057
CIRCUMCISION: 1730
CISTERNA MAGNA: 1455, 3944
CITRATES: 525, 3910

CLEFT LIP: 3137
CLEFT PALATE: 90, 1168, 1297, 3137, 3352
CLEIDOCRANIAL DYSOSTOSIS: 2173
CLIMACTERIC: 146–147, 285, 520, 742, 816, 1873, 2006, 2129, 2220, 2370, 4448
CLITORIS: 1776
CLOACA: 1198, 2826
CLOBETASOL: 2708, 3782
CLOFAZIMINE: 2127
CLOFEZONE: 1802
CLOFIBRATE: 1926, 2456
CLOMIPHENE: 156, 192, 590, 737, 1048, 1197, 1256, 1943, 2262, 2384, 2424, 3105, 3128, 3371, 3377–3378, 3499, 3503, 3529, 3837, 4298
CLONAZEPAM: 807
CLONE CELLS: 65, 1377, 2213, 3328, 4218
CLONIDINE: 1072, 1229, 1556, 1630, 1634, 2391, 2416, 2813, 3093, 3745, 3839
CLORGYLINE: 168, 1921, 1959, 2393
CLOSTRIDIOPEPTIDASE A: 669, 1594, 2589, 2608, 2658, 3254, 3344, 4115
CLOTHING: 1928
CLOZAPINE: 2364
CLUBFOOT: 2975
COAL MINING: 1442
COAL TAR: 4119
COBALT: 1179, 1907, 1917, 1944, 2069, 2206, 2957, 3761
COBALT RADIOISOTOPES: 3070
COCAINE: 462, 738, 3384, 3450
COCARCINOGENESIS: 3615, 3855
COCCIDIOIDES: 2321
COCCIDIOIDOMYCOSIS: 2321
COCHLEA: 2521
COCKROACHES: 685
COD LIVER OIL: 864
COGNITION: 533, 4404
COGNITION DISORDERS: 3484
COIN LESION, PULMONARY: 2338
COITUS: 2976
COLCHICINE: 594, 823, 890, 1087, 1387, 1394, 1976, 2658, 2907, 3656, 3727, 4348
COLD: 130, 235, 317, 493, 1254, 1302, 1429, 2416, 2480, 3237, 3479, 3620, 4036, 4296
COLESTIPOL: 2456
COLIPHAGES: 3170
COLITIS, ULCERATIVE: 549, 765, 1555, 2653, 3609, 3952
COLLAGEN: 204, 275, 446, 579, 727, 1113, 1155, 1224, 1260, 1595, 1957, 2108, 2189, 2195, 2366, 2453, 2532, 2704, 2767, 2873, 2990, 3050, 3124–3125, 3240, 3576, 3729, 3731, 3990, 4142–4143, 4279
COLLAGEN DISEASES: 24, 1555, 2069, 2195, 2509, 3396, 3500
COLLOIDS: 576
COLON: 698, 1149, 1443, 1474, 1628, 2070, 2986–2987, 3243, 3587–3588, 3590
COLONIC DISEASES: 2070
COLONIC NEOPLASMS: 73, 1675, 2244
COLONY-FORMING UNITS ASSAY: 513, 2590, 2631, 3562
COLONY-STIMULATING FACTOR: 2224, 3328
COLOR: 967, 3134, 3990
COLOR PERCEPTION: 878, 4247
COLORIMETRY: 905, 3697, 3952
COLOSTRUM: 1698, 1938, 2814, 3930
COMA: 148, 1102, 2074
COMMERCE: 4447
COMMON BILE DUCT CALCULI: 4147
COMMUNICABLE DISEASES: 433, 3305
COMMUNICATION: 2170
COMPLEMENT: 24, 212, 2559, 2653, 2795, 3016, 3361, 3413, 3476, 3595, 3892
COMPLEMENT 1: 2025
COMPLEMENT 1 INACTIVATORS: 4423
COMPLEMENT 3: 244, 3016, 3594, 4121
COMPLEMENT 4: 3016
COMPLEMENT ACTIVATION: 187, 2817
COMPLIANCE: 1855
COMPOUND 48–80: 299, 1543, 1815
COMPUTERS: 584, 855, 1113, 1325, 2517, 2912, 4000, 4162
CONCANAVALIN A: 263, 526, 888, 1316, 1374, 1698, 2044, 2786, 2936, 3285, 3594, 4029
CONCEPT FORMATION: 4124
CONDITIONING (PSYCHOLOGY): 1702, 3847
CONDITIONING, CLASSICAL: 123, 1702, 2002, 2192, 4240
CONDITIONING, OPERANT: 266, 395, 1314, 1702, 2943, 3784, 3900, 4085, 4204, 4240
CONDYLOMATA ACUMINATA: 1142
CONFLICT (PSYCHOLOGY): 2822
CONFUSION: 224, 3484
CONGRESSES: 593, 785, 4062, 4395–4397, 4408, 4412, 4414, 4416, 4448
CONJUNCTIVA: 316, 1203, 1849
CONJUNCTIVITIS: 2057
CONNECTIVE TISSUE: 2108, 2453
CONSANGUINITY: 3559
CONSTIPATION: 740
CONSTRICTION: 3721
CONSTRICTION, PATHOLOGIC: 2482
CONTRACEPTION: 697, 1461, 3111, 3580, 3861–3862, 3959
CONTRACEPTION BEHAVIOR: 1411, 1514
CONTRACEPTION, IMMUNOLOGIC: 3861–3862
CONTRACEPTIVE AGENTS: 3266, 3355, 3512
CONTRACEPTIVE AGENTS, FEMALE: 85, 396–397, 846, 1985, 3191, 4064
CONTRACEPTIVE AGENTS, MALE: 1723
CONTRACEPTIVE DEVICES: 122, 1291, 1411, 3512
CONTRACEPTIVE DEVICES, FEMALE: 3580
CONTRACEPTIVES, ORAL: 122, 174, 185, 277, 283, 290, 396, 450, 457, 461, 509, 565, 697, 723, 752, 843, 900, 1117, 1119, 1193, 1241, 1243, 1291, 1306, 1330, 1411, 1461, 1488, 1491, 1514, 1531, 1545, 1596, 1672, 1749, 1759, 1859, 1938, 1943, 1966, 2267, 2387, 2445, 2464, 2505, 2583, 2632, 2729, 2748, 2756, 2779, 2922, 2988, 3002, 3039, 3042, 3053, 3111, 3171, 3262, 3276, 3288, 3349, 3387, 3391, 3419, 3580, 3600, 3748, 3898, 3959, 4062, 4178–4179, 4197, 4206, 4261, 4406–4407, 4447, 4451
CONTRACEPTIVES, ORAL, COMBINED: 290, 1119, 1241, 1306, 1545, 1596, 1749, 1759, 1938, 1966, 2267, 2647, 2729, 3387, 4335, 4406
CONTRACEPTIVES, ORAL, HORMONAL: 174, 277, 396, 461, 1330, 1491, 1504, 1672, 1749, 1966, 2033, 2729, 2756, 2922, 3261, 3419, 3673, 4062, 4178, 4206, 4335, 4451
CONTRACEPTIVES, ORAL, SYNTHETIC: 185, 565, 1938, 1943, 2583, 3053, 3748, 4407
CONTRACEPTIVES, POSTCOITAL: 1624, 4062
CONTRACTURE: 2959
CONTRAST MEDIA: 1147, 1412, 1876, 3899
CONVALESCENCE: 2469
CONVULSANTS: 260
CONVULSIONS: 114, 190, 259, 271, 1248, 2007, 2097, 2682, 3005, 3384, 3787, 3900, 3914
COOKERY: 3990
COOMBS' TEST: 1400
COPPER: 216, 441, 1179, 1938, 3201, 3600, 3741
COPULATION: 274, 532
CORN: 848, 1750
CORNEA: 225, 1849, 2635, 2975, 3438, 3446
CORNEAL DISEASES: 3446
CORNEAL DYSTROPHIES: 3446
CORNEAL ULCER: 225, 1835, 1911, 3446
CORONARY CIRCULATION: 347, 350, 1042, 1105, 2834, 3616, 3777, 3838
CORONARY DISEASE: 277, 283–284, 435, 762, 1036, 1042, 1104, 1435, 2004, 2084, 2305, 2834, 2919, 3020, 3115, 3464, 3616, 3777, 3796, 3898, 4037, 4175
CORONARY VESSELS: 307, 2139, 2305, 2715, 2919, 3188, 4175, 4302
CORPORA QUADRIGEMINA: 544
CORPUS CALLOSUM: 245, 3560
CORPUS LUTEUM: 183, 429, 453, 577, 1108, 1394, 1582, 1901, 2158, 2208, 2282, 2579, 2776, 3138–3139, 3182, 3276, 3294, 3591, 3649, 3862, 4004, 4332, 4342
CORPUS LUTEUM CYST: 3442
CORPUS LUTEUM HORMONES: 1223
CORPUS LUTEUM MAINTENANCE: 3882
CORPUS LUTEUM REGRESSION: 3882
CORPUS STRIATUM: 114, 655, 683, 871, 1081, 1440, 1562, 1609, 1642, 1728, 1878, 2630, 3094, 3286, 3705, 3802, 4110, 4140, 4232
CORTICOSTERONE: 11, 201, 235, 493, 516, 677, 693, 713, 923, 1236, 1273, 1363, 1365, 1383, 1433, 1439, 1506, 1579, 1581, 1936–1937, 1980, 2223, 2311, 2395, 2409, 2499, 2631, 2727, 3132, 3163, 3325, 3410, 3467, 3545, 3565, 3789, 3847, 3874, 3930, 3974, 4018, 4095, 4290, 4377
CORTICOTROPIN: 11–12, 54, 64, 110, 238, 248, 267, 269, 297–298, 389, 412, 444, 454, 471, 479, 566, 572, 681, 689, 693, 721, 862, 875, 922, 955, 962, 964, 990, 1008, 1019, 1037, 1041, 1112, 1123, 1134, 1144, 1186, 1240, 1363, 1365, 1377, 1383, 1434, 1439, 1463, 1476, 1516, 1542, 1579, 1581, 1619, 1674, 1761, 1771, 1948, 2015, 2029, 2135, 2143, 2196, 2258, 2284, 2301, 2318, 2332, 2335, 2340, 2354, 2395, 2460, 2508, 2690–2691, 2694, 2717, 2727, 2772, 2832, 2851, 2856, 2983, 2993, 3030, 3152, 3213, 3261, 3340, 3403, 3519, 3545, 3628, 3656, 3786, 3843, 3847, 3874, 3882, 3886, 3897, 3977, 4018, 4042, 4053, 4055, 4073, 4116, 4124, 4194, 4223, 4317
CORTICOTROPIN RELEASING HORMONE : 1240, 1365, 1817, 2395, 2508, 4317
CORTISONE: 55, 389, 747, 1008, 1024, 1088, 1230, 1269, 1274, 1370, 1571, 1682, 2221, 2328, 2334, 2472, 2860, 3450, 3713, 3924, 4016, 4095, 4097, 4309, 4357
CORTODOXONE: 875, 1282, 2221, 2354, 3157
CORYNEBACTERIUM: 1422
CORYNEBACTERIUM INFECTIONS: 1422
COST BENEFIT ANALYSIS: 175, 2417
COSYNTROPIN: 3886
COTURNIX: 170, 2488, 2833
COUMARINS: 23
COUNSELING: 4179
COUNTERCURRENT DISTRIBUTION: 1502, 4259
CRABS: 574
CRANIAL NERVE NEOPLASMS: 1144, 3204
CRANIOFACIAL DYSOSTOSIS: 1371, 2596, 3849
CRANIOPHARYNGIOMA: 359, 581, 1159, 1464, 1669, 2143, 2712, 2958, 3204, 3404, 3560, 3944, 4094, 4310
CRANIOSYNOSTOSES: 2596
CRANIOTOMY: 2596, 3734, 3976
CREATINE: 2087, 3346, 4108
CREATINE KINASE: 454, 831, 1347, 1430, 1842, 3067, 3526, 3958, 4273
CREATININE: 18, 235, 432, 571, 618, 764, 1793, 1868, 2614, 2674, 2863, 2879, 2992, 3346, 3398, 3741, 3930
CRESOLS: 1203, 2538
CRETINISM: 4156
CRICETULUS: 1372, 4218
CRIMINOLOGY: 77
CRITICAL CARE: 4197, 4374
CRITICAL PERIOD (PSYCHOLOGY): 1172
CROSS-CULTURAL COMPARISON: 4180
CROSS REACTIONS: 677, 894, 898, 1742, 2473, 2613, 2653, 3861, 4075, 4208
CROSS SECTIONAL STUDIES: 2375
CROSSING OVER (GENETICS): 1935, 2091, 3995
CROUP: 601, 2176, 3933
CROWDING: 1273
CRUSTACEA: 1787
CRYOGENIC SURGERY: 558, 1142, 1465, 3508
CRYOGLOBULINS: 24, 275
CRYPTOCOCCOSIS: 4247
CRYPTORCHISM: 340, 668, 743, 1030, 1098, 1111, 1227, 1689, 1928, 2289, 2436, 2733, 2892, 3250, 3461, 4166, 4281
CRYSTALLIZATION: 897, 989, 1369, 2154, 2234, 2339, 2953, 3476
CRYSTALLOGRAPHY: 1044, 1118, 1260, 2154
CUES: 2186, 2943, 3028
CULTURAL CHARACTERISTICS: 1172
CULTURAL EVOLUTION: 2822
CULTURE: 686, 1172
CULTURE MEDIA: 65, 297, 539, 980, 1884, 1991, 2658, 2917, 2939, 2952, 3024, 3312, 3404, 3565, 4279, 4345
CURETTAGE: 3512
CUSHING'S SYNDROME: 352, 1434, 1463, 1552, 1563, 1696, 1893, 2012, 2318, 2693, 2708, 2774, 3043, 3323, 3396, 3629, 3945, 4104, 4116
CUTIS LAXA: 2195
CYANIDES: 376, 3853
CYANOGEN BROMIDE: 3147
CYANOKETONE: 169
3',5'-CYCLIC AMP PHOSPHODIESTERASE: 92, 993, 1909, 2299, 2310, 2726, 2852, 3024, 3334
3',5'-CYCLIC GMP PHOSPHODIESTERASE: 2310, 3416
CYCLIC N-OXIDES: 1157

CYCLOFENIL: 2538
CYCLOHEXANES: 2199
CYCLOHEXIMIDE: 107, 229, 555, 594, 714, 802, 1137, 1566, 1601, 1627, 2308, 2460, 2655, 2691, 2825, 3312, 3688, 3811, 4151, 4160
CYCLOPENTANES: 3588
CYCLOPHOSPHAMIDE: 368, 382, 385, 400, 494, 530, 999, 1095, 1160, 1167, 1232, 1375, 1611, 1729, 1897, 1922, 2060, 2091, 2095, 2341, 2820, 2895, 3045, 3217, 3518, 3592, 3699, 3827, 3958, 4210, 4239, 4326, 4336, 4398, 4433, 4452
CYCLOSTOMES: 2883
CYCLOTHYMIC PERSONALITY: 409
CYNOMOLGUS MONKEYS: 1015, 3154, 3872
CYPRINIDAE: 3498, 3686, 3987
CYPROHEPTADINE: 1041, 3112
CYPROTERONE: 944, 965, 1512, 1519, 1638, 1781, 3508, 4034, 4096
CYSTADENOCARCINOMA: 671, 801, 1861, 2994, 3022
CYSTADENOMA: 1861, 2410
CYSTADENOMA, MUCINOUS: 671, 801, 1846, 2594, 2967, 2994, 3049
CYSTADENOMA, PAPILLARY: 600, 2994
CYSTAMINE: 3668
CYSTATHIONINE GAMMA-LYASE: 326
CYSTEAMINE: 3668
CYSTEINE: 1546, 2861
CYSTIC FIBROSIS: 3271, 4156
CYSTICERCOSIS: 2057
CYSTINE: 1252
CYSTS: 91, 303, 384, 590, 722, 1142, 1376, 1563, 2295, 3560, 3606
CYTARABINE: 152, 1160, 3212, 4336, 4398
CYTIDINE DIPHOSPHATE CHOLINE: 148
CYTIDINE MONOPHOSPHATE: 1378
CYTIDINE TRIPHOSPHATE: 2326
CYTOCHALASIN B: 57, 1087, 2218, 2460
CYTOCHROME C: 2492, 3894
CYTOCHROME OXIDASE: 1643, 2142, 2883, 4095, 4234
CYTOCHROME P-450: 34, 87, 339, 880, 927, 1088, 1397, 2433, 2460, 2519, 2909, 2960, 3385, 3425, 4266
CYTOCHROME REDUCTASES: 2909
CYTOCHROMES: 87, 339, 2953, 4266
CYTODIAGNOSIS: 653, 1900, 2606, 2713, 4230
CYTOLOGICAL TECHNICS: 2063, 2557
CYTOMEGALIC INCLUSION DISEASE: 2642, 3213
CYTOPLASM: 842, 896, 1225, 1469, 1678, 1867, 1981, 2124, 2349, 2367, 2443, 2465, 2480, 2577, 2621, 2704, 2778, 3319, 3424, 3461, 3514, 3670, 3866, 4233, 4353
CYTOPLASMIC GRANULES: 366–367, 863, 1194, 1441, 1602, 2051, 2135, 2387, 2522, 2785, 3381, 3492, 3654, 3810, 3820, 3964, 4364
CYTOSINE NUCLEOTIDES: 1953
CYTOSOL: 169, 321, 468, 491, 541, 569, 889, 1173, 1575, 1666, 1848, 2158, 2213, 2297, 2401, 2419, 2671, 2944, 3064, 3066, 3228–3229, 3563, 3602–3603, 3612, 3635, 3691, 3891, 3893, 3927, 4077–4078, 4137, 4146, 4290, 4333, 4375
CYTOTOXICITY, IMMUNOLOGIC: 212, 733, 1087, 1896, 2394, 2817, 3413, 3455, 3915, 4380
CYTOTOXICITY TESTS, IMMUNOLOGIC: 1005, 1896, 2617

D

D 145: 1728
D 600: 1523, 2206, 2511, 3761
DACARBAZINE: 1988
DACTINOMYCIN: 107, 341, 507, 518, 555, 594, 802, 1601, 1627, 2691, 2934, 3246, 3385, 3811, 4084, 4087
DAIRY PRODUCTS: 1
DANAZOL: 197, 609, 1321, 3327, 4423
DAPSONE: 806
DARK ADAPTATION: 3797
DARKNESS: 208, 416, 783, 1558, 1847, 1950, 2077, 2367, 2512, 2826, 3202, 3257, 3943
DAUNOMYCIN: 4, 152, 1160, 4336, 4398
DAY CARE: 686
DDD: 2318
DDT: 491, 864, 3190
DEAFNESS: 781, 2521, 3431
DEATH: 3297
DEATH, SUDDEN: 2304
DEBRISOQUIN: 1085
DECALCIFICATION TECHNIC: 495, 4131
DECANOATES: 1570
DECEREBRATE STATE: 2630, 3155, 4020
DECIDUA: 348, 2313, 3718
DECISION MAKING: 4440
DEER: 86, 180, 470, 3930
DEFECATION: 53, 166, 1314, 3055
DEFEROXAMINE: 3753
DEFICIENCY DISEASES: 1067, 1608, 1704, 1724
DEGLUTITION DISORDERS: 740
DEHYDRATION: 768, 1380, 2280, 2544, 3095, 3268, 3287, 4111
DEHYDROASCORBIC ACID: 341, 3894
DEHYDROEPIANDROSTERONE: 160, 254, 471, 603, 1215, 1317, 1516, 1570, 2378, 2513, 2589, 3602, 4286
DELAYED-ACTION PREPARATIONS: 85, 175, 834, 1367, 1500, 2390, 2973, 3191, 4257–4258
DELIVERY: 480, 1864, 2332, 2576, 4282
DELUSIONS: 2011
DEMENTIA, PRESENILE: 414, 772, 4268
DEMENTIA, SENILE: 772, 874
DENDRITES: 1886, 2351
DENERVATION: 537, 564, 1579, 1800, 2391, 3394, 3881
DENSITOMETRY: 1500, 2033, 3356
DENSITOMETRY, X-RAY: 2245, 3004, 3031
DENTAL CALCULUS: 989
DENTAL CARE: 3464
DENTAL CARIES SUSCEPTIBILITY: 2173
DENTAL ENAMEL: 226, 1044, 1118, 1260, 2154, 2575, 3177, 3231
DENTAL ENAMEL HYPOPLASIA: 2755
DENTAL ENAMEL PROTEINS: 1118, 1260, 2154, 3231
DENTAL ENAMEL SOLUBILITY: 1118
DENTAL IMPLANTATION, ENDOSSEOUS: 3925
DENTAL IMPLANTATION, ENDOSSEOUS, ENDODONTIC: 1489
DENTAL PAPILLA: 3392
DENTAL PULP CAPPING: 3728
DENTAL PULP CAVITY: 3728
DENTAL RESTORATION, PERMANENT: 3728
DENTIN: 419, 4329–4330
DENTINOGENESIS: 4329–4330
DENTITION: 1044
DENTURE BASES: 2126
DENTURE, COMPLETE: 2126
DENTURE, PARTIAL: 2126
DEOXY SUGARS: 4341
DEOXYADENOSINE: 507, 1451
DEOXYCHOLIC ACID: 311, 672, 3138, 3587
DEOXYEPINEPHRINE: 462
DEOXYGLUCOSE: 4341
DEOXYRIBONUCLEASE: 26, 669, 1695, 1877, 2025
DEPRENYL: 168
DEPRESSION: 224, 549, 659, 785, 800, 1074, 1624, 2042, 2259, 2348, 2393, 2602, 3144, 3452, 4101
DEPRESSION, CHEMICAL: 23, 228, 361, 432, 596, 862, 887, 1573, 1687, 2087, 2174, 2305, 2758, 3339, 3352, 3877, 3919
DEPRESSION, REACTIVE: 4435
DERMATITIS: 434, 563, 1416, 2509
DERMATITIS, ATOPIC: 1831, 2509, 3439
DERMATITIS, CONTACT: 644, 1416
DERMATITIS HERPETIFORMIS: 806, 2229
DERMATITIS MEDICAMENTOSA: 1963, 3210
DERMATOGLYPHICS: 638, 1993, 2888, 3849, 3907
DERMATOLOGIC AGENTS: 464, 2924
DERMATOMYCOSES: 1615, 2368, 2385, 3417
DERMATOMYOSITIS: 1075, 1232, 3360, 3916, 3958
DERMOID: 2397
DERMOID CYST: 649, 1797, 3964
DESIPRAMINE: 1740, 3688
DESMOLASES: 1369
DESMOPRESSIN: 336, 1977, 2430, 3703
DESMOSOMES: 1867
DESONIDE: 3827
DESOXIMETASONE: 17
DESOXYCORTICOSTERONE: 47, 217, 300, 324, 389, 567, 836–837, 955, 1084, 1355, 1652, 1680, 1881, 1974, 2073, 2221, 2310, 2894, 3027, 4358, 4388
DETERGENTS: 1366, 3201, 3770, 4342
DEUTERIUM: 361, 3727
DEVELOPING COUNTRIES: 2390
DEXAMETHASONE: 16–17, 54, 107, 165, 196, 225, 261, 321, 469, 555, 578, 594, 601, 823, 834, 862, 915, 1099, 1125, 1234, 1262, 1278, 1316, 1422, 1516, 1549, 1566, 1612, 1647, 1680, 1721, 1770–1771, 1802, 1839, 1864, 1872, 1911, 1980, 2132, 2176, 2198, 2224, 2508, 2612, 2678, 2706, 2864, 2895, 3075, 3212, 3215, 3246, 3328, 3346, 3352, 3368, 3424, 3467, 3491, 3594, 3751, 3778–3779, 3810, 3872, 3892, 3917, 4029, 4087, 4132, 4258, 4290, 4357, 4401, 4403
DEXAMETHASONE ISONICOTINATE: 2864
DEXTRANS: 1391, 1839
DEXTROAMPHETAMINE: 701, 1634, 1775, 1986, 4085
DEXTROMORAMIDE: 1007
DEXTROTHYROXINE: 2456
DIABETES INSIPIDUS: 12, 179, 198, 272, 528, 535, 924, 1026, 1246, 1362, 1574, 2101, 2149, 2172, 2413, 2430, 2611, 3045, 3084, 3535, 3971, 4053
DIABETES MELLITUS: 113, 143, 591, 624, 745, 766, 854, 1104, 1322, 2072, 2126, 2131, 2172, 2614, 2653, 2789, 3081, 3158, 3215, 3464, 3500, 3753, 3805, 4261
DIABETES MELLITUS, EXPERIMENTAL: 38, 154, 591, 1049, 2948, 2986, 3521, 4090, 4295
DIABETES MELLITUS, JUVENILE: 113, 143, 427, 1364, 1425, 2672, 2863, 3271, 3575
DIABETIC ANGIOPATHIES: 2131
DIABETIC NEPHROPATHIES: 1821
DIACETYLMORPHINE: 428, 4113
DIAGNOSIS, COMPUTER ASSISTED: 2754
DIAGNOSIS, DIFFERENTIAL: 40, 71, 256, 262, 352, 369, 406, 535, 552, 554, 639, 675, 756, 819, 874–875, 945, 976, 1004, 1029, 1193, 1263, 1279, 1376, 1404, 1416, 1460, 1483, 1513, 1555, 1563, 1571, 1588, 1593, 1741, 1794, 1920, 2012, 2144, 2229, 2241, 2261, 2268, 2314, 2327, 2410, 2495, 2510, 2553, 2615, 2644, 2659, 2707, 2777, 3043, 3089, 3126, 3194, 3208, 3233, 3238, 3267, 3294, 3315, 3351, 3406, 3415, 3419, 3484, 3515, 3561, 3606, 3643, 3787, 3824, 3836, 3932, 3936, 3969, 4135, 4230, 4236, 4390, 4394, 4434–4435
DIAGNOSTIC ERRORS: 40, 753, 1270, 2241, 2498, 3173, 3781, 4134–4135, 4440
DIALYSIS: 3285, 4349
DIAMIDE: 559
DIAMINES: 96, 2574
DIAMMONIUM CHLOROPLATINUM COMPOUNDS: 960, 1301
DIAPHRAGM: 43, 2150, 2885
DIARRHEA: 1188, 1715, 1932, 2947, 3268, 4434
DIASTOLE: 2168, 2495
DIATRIZOATE: 1412, 2552
DIAZEPAM: 190, 201, 224, 259–260, 301, 1519, 2682, 3161, 3673, 4253
DIAZINON: 713
DIAZONIUM COMPOUNDS: 3861
DIAZOXIDE: 825, 902, 3978
DIBENZAZEPINES: 2364, 2573
DIBENZOCYCLOHEPTENES: 3094
DIBUCAINE: 780
DIBUTYRYL CYCLIC AMP: 57, 107, 421, 699, 815, 908, 1078, 1080, 1208, 1287, 1323, 1550, 1812–1813, 1852, 1884, 1981, 2323, 2634, 2691, 2734, 2758, 3212, 3252, 3411, 3582, 3663, 3813, 3911, 4138, 4375
DIBUTYRYL CYCLIC GMP: 4082
2,4-DICHLOROPHENOXYACETIC ACID: 76
DICLOFENAC: 494
DICOFOL: 372
DICTYOSTELIUM: 1209, 1466, 2475, 2908
DICYCLOHEXYLCARBODIIMIDE: 4278
DIENCEPHALON: 59, 251, 1033, 2969, 3084, 4354
DIESTRUS: 1898, 2085, 4352
DIET: 119, 140, 180, 209, 437, 441, 633, 759, 771, 1043, 1188, 1229, 1534, 1645, 2084, 2159, 2168, 2185, 2592, 2664, 2740, 2798, 3117, 3148, 3292, 3567, 3615, 3632, 3878, 3954, 3990, 4285, 4341, 4436
DIET, REDUCING: 2072, 3539
DIET, SALT-FREE: 7, 633, 877, 1011, 1258, 1387, 1732, 2168, 2381, 3467
DIETARY CARBOHYDRATES: 417–418, 521,

1539, 4341
DIETARY FATS: 144, 417–418, 1395, 1559, 1895, 2084, 2516, 3672, 3850, 4040, 4341
DIETARY FIBER: 4123
DIETARY PROTEINS: 521, 625, 900, 2084, 2618, 2648, 3632
DIETHYL PYROCARBONATE: 1546
DIETHYLDITHIOCARBAMATE: 2340
DIETHYLNITROSAMINE: 2152
DIETHYLSTILBESTROL: 569, 643, 1575, 1671, 1764, 1790, 1845, 1995, 2306, 2563, 3305, 3698, 3924, 3982
DIFFERENTIAL THRESHOLD: 3235, 3768
DIFFUSION: 421, 602, 2389
DIGESTION: 144, 2618, 3878
DIGESTIVE SYSTEM: 166
DIGITALIS GLYCOSIDES: 1832
DIGITONIN: 1366, 2152
DIGITOXIN: 3425, 3875
DIGLYCERIDES: 3663
DIGOXIN: 1055, 1987, 3573, 3607
DIHYDRALAZINE: 2118, 3839
DIHYDROERGOCRYPTINE: 1664
DIHYDROERGOTOXINE: 1562
DIHYDROPROGESTERONE: 1280, 1445–1446, 4003
DIHYDROTACHYSTEROL: 3983
DIHYDROXYCHOLECALCIFEROLS: 170, 210, 571, 626, 943, 1591, 2246, 2419, 3091, 3099, 3109, 3162, 3458, 3460, 3540, 3686, 3808, 3811, 3842, 3876, 4182, 4438
3,4-DIHYDROXYPHENYLACETIC ACID: 655, 1562, 3973
5,6-DIHYDROXYTRYPTAMINE: 1959, 2233
5,7-DIHYDROXYTRYPTAMINE: 1568, 1959, 2237, 2722, 3655, 3688, 4110
DIHYDROXYTRYPTAMINES: 1959, 2722, 3655, 3688, 4110
DIIODOTHYRONINES: 700
DIIODOTYROSINE: 777
DILATATION: 1955, 2109, 2556
DILATATION AND CURETTAGE: 518, 3917
DILATATION, PATHOLOGIC: 1234
DIMERCAPTOSUCCINIC ACID: 2089, 2811
DIMETHYL SULFOXIDE: 3368
9,10-DIMETHYL-1,2-BENZANTHRACEN: 616, 1392, 2504, 2661, 4332
DIMETHYLNITROSAMINE: 3855
DINITROBENZENES: 3952
DINITROCHLOROBENZENE: 1428, 2509, 2886
DINITROPHENOLS: 1137, 1695, 3303
DIOXANES: 452, 775
DIOXINS: 775
DIPEPTIDES: 3819
DIPHENHYDRAMINE: 1805, 2552
DIPHENOL OXIDASES: 11
DIPHOSPHOGLYCERIC ACIDS: 607
DIPHOSPHONATES: 598, 1368, 1906, 3910
DIPLOIDY: 3206
DIPLOPIA: 1271
DIPTERA: 86
DIPYRIDAMOLE: 1167, 2603, 3386, 3592
DISACCHARIDASES: 1789
DISCRIMINATION (PSYCHOLOGY): 1139, 1775
DISCRIMINATION LEARNING: 1711, 1775, 2340, 3028, 3056, 4043, 4404
DISEASE: 351, 433, 2126, 2781
DISEASE MODELS, ANIMAL: 123, 259, 322, 486, 567, 959, 1003, 1110, 1391, 1498, 2514, 2635, 2837, 2860, 3078, 3180, 3283, 4106
DISEASE OUTBREAKS: 1929
DISEASE VECTORS: 1756
DISEASES IN TWINS: 1614, 1724, 2886, 3197, 3584, 3756
DISLOCATIONS: 3781
DISODIUM CROMOGLYCATE: 1066, 1069, 2619, 3786
DISSEMINATED INTRAVASCULAR COAGULATION: 178, 1057, 3185
DISULFIDES: 149, 216, 1252, 2805, 3668, 3788
DISULFIRAM: 2085
DITHIONITROBENZOIC ACID: 2861
DITHIOTHREITOL: 1162, 1660, 3201, 4342
DIURESIS: 158, 447, 458, 514, 764, 952, 1129, 1246, 1362, 2149, 2243, 2342, 2413, 2430, 2611, 2664, 2769, 3118, 3237, 3511, 4191, 4254, 4388
DIURETICS: 70, 447, 545, 658, 1398, 1914, 2347, 2386, 2581, 3148, 3965, 4163
DIURETICS, THIAZIDE: 447, 1072, 1398, 1646, 1837, 2292, 2572, 3937, 4286
DIURNAL RHYTHM: 309, 336, 1395, 1425, 1492, 1771, 1938, 1990, 2614, 3225, 3625, 3629, 4101
DIVORCE: 690
DNA: 21, 26, 57, 172, 357, 422, 555, 641, 788, 965, 1078, 1099, 1146, 1253, 1747, 1791, 1799, 1808, 1829, 2063, 2203, 2310, 2514, 2651, 2696, 2758, 2794, 2807, 2939, 2952, 2970, 3010, 3016, 3024, 3301, 3319, 3342, 3344, 3530, 3617, 3726, 3769, 4002, 4024
DNA, BACTERIAL: 2694
DNA, NEOPLASM: 1716, 2646, 3582
DNA POLYMERASES: 629
DNA, RECOMBINANT: 1929, 2160, 2694
DNA REPAIR: 26
DNA REPLICATION: 1836, 2696, 2845
DOG DISEASES: 1400, 3153, 4193, 4287, 4436
DOGFISH: 711, 3774–3776
DOGS: 82, 136, 188, 232, 291, 315, 350, 364, 435, 452, 458, 484, 557, 611, 738, 776, 881–882, 933, 959, 965, 975, 1036, 1044, 1104, 1141, 1162, 1211, 1219, 1288, 1330, 1400, 1523, 1528, 1586, 1625, 1630, 1648, 1656, 1667, 1705, 1708, 1756, 1771, 1778, 1832, 1839, 1842, 1910, 1914, 2004, 2019, 2108, 2120, 2243, 2285–2286, 2342, 2345, 2381, 2390, 2415, 2478–2479, 2508, 2519, 2588, 2604, 2611, 2640, 2690, 2715, 2769, 2796, 2813, 2825, 2834, 2850, 2917, 2919, 2943, 2947, 3038, 3095, 3116, 3153, 3189, 3200, 3376, 3505, 3669, 3680, 3706–3707, 3721, 3803, 3872, 4052, 4080, 4092, 4106–4107, 4191, 4193, 4222, 4235, 4254, 4258, 4284, 4287, 4294, 4311, 4333, 4388, 4436
DOLICHOL: 672
DOLICHOL MONOPHOSPHATE MANNOSE : 2306
DOLICHOL PHOSPHATES: 672, 2306
DOLPHINS: 1326
DOMINANCE, CEREBRAL: 1579, 2969, 3951
DOPA: 364, 540, 1127, 1419, 2409, 2533
DOPA DECARBOXYLASE: 1774, 3141
DOPAMINE: 27–28, 181, 190, 202, 274, 343, 364, 407, 424, 462, 482, 540, 553, 564, 655, 667, 683, 701, 712, 772, 808, 838, 871, 977, 988, 1006, 1081, 1247, 1348, 1391, 1478, 1542, 1557, 1562, 1568, 1578, 1590, 1609, 1728, 1732, 1740, 1795, 1986, 2071, 2393, 2409, 2416, 2533, 2611, 2628, 2630, 2641, 2706, 2945, 3003, 3110, 3155–3156, 3207, 3235–3236, 3286, 3325, 3566, 3705, 3746, 3802, 3847, 3881, 3912, 3953, 3973, 4044, 4069, 4106–4107, 4110, 4140, 4169, 4212, 4366
DOPAMINE BETA-HYDROXYLASE: 47, 454, 637, 667, 817, 824, 1081, 1450, 1568, 1774, 1986, 2085, 2808, 3246, 3321, 3679, 3704, 4213
DOSE-RESPONSE RELATIONSHIP, DRUG: 6, 25, 145, 219, 232, 237, 239, 334, 372, 468, 481, 524, 544, 589, 615, 701, 713, 727, 981, 994, 997, 1027, 1037, 1094, 1168, 1242, 1254, 1324, 1366, 1430, 1468, 1581, 1609, 1686, 1691, 1733, 1763, 1778, 1789, 1904, 2003, 2085, 2097, 2123, 2168, 2181, 2214, 2223, 2253, 2263, 2277, 2335, 2359, 2430, 2488, 2539, 2559, 2639, 2649, 2660–2661, 2701, 2816, 2824, 2897, 2902, 2913, 2961, 2982, 2996, 3041, 3069, 3212, 3283, 3466, 3485, 3527, 3538, 3566, 3569, 3587–3588, 3688, 3790, 3799, 3811, 3846, 3876, 3880, 3962, 3993, 4101, 4122, 4295, 4315, 4343–4344, 4353, 4357
DOSE-RESPONSE RELATIONSHIP, IMMUNOLOGIC: 2219, 2758, 2803, 3086, 3992
DOSE-RESPONSE RELATIONSHIP, RADIATION: 1061, 2145
DOUBLE-BLIND METHOD: 336, 533, 742, 1205, 1519, 1535, 2042, 2176, 2385, 2451, 2685, 3173, 3703, 3778–3779, 3846, 4014, 4019, 4054, 4124, 4154
DOWN'S SYNDROME: 885, 1270, 2026, 2341, 2677, 2781, 2981, 3639, 4268, 4425
DOXORUBICIN: 200, 368, 382, 842, 1375, 2091, 2825, 4326, 4337–4338, 4433, 4452
DRINKING: 1838, 2101, 2172, 2769, 2969, 3965
DRINKING BEHAVIOR: 416, 1129, 1989, 2088, 2461, 2518, 2636, 3202, 3486, 3511, 3874, 4000, 4085, 4341
DROPERIDOL: 2008, 2816, 3638
DROSOPHILA MELANOGASTER: 415, 1218, 2443, 2970, 4353
DRUG ABUSE: 4453
DRUG ADMINISTRATION SCHEDULE: 262, 315, 520, 709, 2369, 2901, 3919, 4398, 4401, 4422
DRUG ANTAGONISM: 2044, 3900
DRUG COMBINATIONS: 346, 464, 494, 582, 661, 834, 1051, 1522, 1615, 1693, 1749, 1800, 1985, 1998, 2117, 2368, 2385, 2600, 2765, 3153, 3417, 3924, 4374
DRUG CONTAMINATION: 491, 864, 4410
DRUG DEPENDENCE: 1275, 1627, 1963, 2043, 3651, 4019, 4157, 4161, 4397
DRUG EVALUATION: 9, 17, 58, 324, 400, 494, 501, 533, 605, 640, 904, 960, 964, 1007, 1018, 1128, 1285, 1381, 1535, 1615, 1725, 1985, 1988, 1997, 2078, 2121, 2304, 2318, 2374, 2379, 2446, 2503, 2524–2525, 2600, 2765, 3009, 3036, 3173, 3249, 3277, 3316, 3359, 3364, 3388, 3445, 3660, 3778, 4014, 4028, 4199, 4306, 4422, 4452
DRUG HYPERSENSITIVITY: 1271, 2471, 2552, 2924, 3464, 3755
DRUG IMPLANTS: 310, 532, 1206, 1457, 1493, 4192
DRUG INTERACTIONS: 18, 28, 288, 374, 399, 462, 486, 503, 524, 589, 610, 613, 738, 828, 926, 1100, 1183, 1203, 1278, 1283, 1523, 1553, 1566, 1634, 1641, 1719, 1763, 1779, 1924, 1998, 2003, 2043, 2146, 2198, 2237, 2296, 2335, 2388, 2511, 2740, 3093, 3155, 3386, 3519, 3846, 3949, 4082, 4085, 4102, 4185
DRUG LABELING: 2209, 2632
DRUG RESISTANCE: 382, 1372, 1884, 2063, 2240, 2472, 3546, 4218
DRUG RESISTANCE, MICROBIAL: 1337, 1929, 3613, 3801
DRUG SCREENING: 589, 731, 1182, 1357, 1457, 2249, 2539, 2661, 2770, 2947, 3712, 3871, 4088
DRUG STABILITY: 526, 773, 984, 1064, 3348, 3723, 4026, 4086, 4128
DRUG STORAGE: 1906
DRUG SYNERGISM: 190, 305–306, 484, 953, 959, 1242, 1894, 1911, 2735, 2758, 2895, 3394, 3541, 3613, 3688, 3855, 3922, 3924, 4035, 4289
DRUG THERAPY: 843, 1066, 2581, 2780, 3081, 3148
DRUG THERAPY, COMBINATION: 128, 146–147, 152, 178, 257, 285, 359, 368, 385, 400, 469, 520, 538, 656, 879, 915, 941, 960, 996, 999, 1055, 1086, 1095, 1160, 1167, 1179, 1216, 1276, 1332, 1375, 1449, 1507, 1533, 1547, 1620, 1725, 1839, 1897, 1915, 1943, 1984, 1988, 2136, 2292, 2304, 2349, 2369, 2384, 2485, 2507, 2666, 2710, 2771, 2804, 3133, 3141, 3282, 3305, 3359, 3364, 3389, 3613, 3742, 3786, 3999, 4283, 4336–4338, 4376, 4398, 4433, 4444, 4452
DRUG TOLERANCE: 310, 630, 665, 774, 1461, 1512, 1627, 3384, 3802, 4035, 4157
DRUG WITHDRAWAL SYMPTOMS: 310, 665, 877, 1229, 1788, 2306, 2347, 2424, 3651, 3802, 4113, 4157, 4194
DRUGS: 1504, 2209, 4428
DTPA: 315, 3485
DUCKS: 135, 344, 1720, 4008
DUCTUS ARTERIOSUS: 1832, 3858, 3869
DUCTUS ARTERIOSUS, PATENT: 1141, 1832
DUODENAL DISEASES: 4387
DUODENAL NEOPLASMS: 64
DUODENAL OBSTRUCTION: 2699
DUODENAL ULCER: 102, 324, 1746, 2122
DUODENUM: 2110, 2425, 2533, 2891, 3225, 3242, 3809, 4147
DUPUYTREN'S CONTRACTURE: 3267
DWARFISM: 26, 781, 812, 1124, 1152, 1297, 1794, 2278, 3083, 3271, 3559, 3995, 4207
DWARFISM, PITUITARY: 1547, 2429, 2481, 3318, 3472, 4076
DYDROGESTERONE: 2554
DYSCHONDROPLASIA: 1124, 3694
DYSGAMMAGLOBULINEMIA: 1748
DYSGERMINOMA: 73, 138, 440, 717, 796–797, 886, 1472, 1490, 1621, 1735–1738, 1942, 2059, 2064, 2081, 2163, 2200, 2502, 2703, 2847, 3089, 3119, 3194, 3696, 3854, 3915, 3957, 4172, 4310
DYSKINESIA, DRUG-INDUCED: 3236, 3651
DYSMENORRHEA: 893, 3489
DYSPNEA: 2139
DYSTOCIA: 296, 2736, 3025, 3036

E

EAR: 1786
EAR DISEASES: 563
EAR, EXTERNAL: 563

EAR, MIDDLE: 1733, 3175
EAR NEOPLASMS: 111
EATING: 470, 936, 2135, 2740, 2969
ECCENTROOSTEOCHONDRODYSPLASI: 2027, 2329
ECDYSONE: 574, 803, 2443, 4353
ECDYSTERONE: 803, 2443, 4353
ECHIDNA: 3502
ECHINOCOCCOSIS: 2150
ECHOCARDIOGRAPHY: 1832, 3631
ECHOLOCATION: 705
ECLAMPSIA: 247, 296
ECOLOGY: 180, 686, 2185
ECONAZOLE: 1615, 3417
ECONOMICS: 86
ECZEMA: 17, 346, 434, 1416, 1534, 2368, 3955
EDEMA: 797, 1009, 1168, 1543, 1855, 2347, 2582, 2784, 2844, 2935, 3376, 3547, 3689, 3765, 3870, 4344
EDTA: 44, 1230, 3803, 3922, 4146
EDUCATION: 3959
EDUCATION, MEDICAL, CONTINUING: 2244
EELS: 1970, 2910
EFFERENT PATHWAYS: 177, 245, 1711, 2038–2040, 2406, 4363
EGG PROTEINS: 415, 4233
EGG SHELL: 3067
EGG YOLK: 415, 2017, 3319
EGTA: 1299, 1583, 2625, 3541, 3579
EHLERS-DANLOS SYNDROME: 2195, 3050
5,8,11,14-EICOSATETRAYNOIC ACID: 760, 1806
8,11,14-EICOSATRIENOIC ACID: 1806, 1849
EJACULATION: 395, 532, 2441, 3018, 3379
ELASTICITY: 1891, 2030
ELBOW: 2959
ELECTRIC CONDUCTIVITY: 2281, 2957
ELECTRIC INJURIES: 76
ELECTRIC STIMULATION: 10, 14, 37, 42, 47, 213, 227, 251, 543–544, 610, 683, 792, 938–939, 1185–1186, 1314, 1419, 1482, 1599, 1688, 1795, 1815, 1886, 1913, 1923, 2007, 2333, 2340, 2345, 2376, 2395, 2484, 2682, 2902, 2943, 3056, 3384, 3432, 3450, 3482, 3552, 3768, 3777, 3840, 4001, 4043, 4098, 4213–4214, 4240, 4404
ELECTRICITY: 76
ELECTROCARDIOGRAPHY: 704, 902, 2647, 2730, 3323, 3497, 3652, 4175
ELECTROCHEMISTRY: 683, 940, 2641
ELECTROCOAGULATION: 1955
ELECTRODES: 2550, 4339
ELECTRODES, IMPLANTED: 1314, 1634, 2442, 4240
ELECTRODIAGNOSIS: 2521
ELECTROENCEPHALOGRAPHY: 251, 383, 479, 785, 1204, 1248, 1508, 1519, 1721, 2042, 2097, 2442, 2647, 2682, 2712, 2992, 3088, 3384, 3535, 3787, 3914, 3945, 4076
ELECTROLYTES: 15, 235, 422, 658, 1871, 1879, 1901, 1925, 2117–2118, 2640, 2798, 3323, 3965, 4074, 4325
ELECTROMAGNETIC FIELDS: 227
ELECTROMAGNETICS: 227
ELECTROMYOGRAPHY: 811, 1347
ELECTRON PROBE MICROANALYSIS: 1503, 3399, 3767
ELECTRON SPIN RESONANCE: 217, 2190
ELECTRON TRANSPORT: 1572, 2953, 3920, 4234
ELECTRONICS, MEDICAL: 957
ELECTRONS: 543
ELECTROPHORESIS: 745, 2553, 4026
ELECTROPHORESIS, AGAR GEL: 974, 1016, 4242
ELECTROPHORESIS, DISC: 583, 721, 3597
ELECTROPHORESIS, POLYACRYLAMIDE GEL: 54, 583, 597, 1396, 1463, 1970, 2993, 3333, 3478, 3553, 3800, 4114
ELECTROPHYSIOLOGY: 80, 94, 381, 1482, 2007, 2049, 2076, 2151, 2453, 2562, 2568, 2834, 2848
ELECTRORETINOGRAPHY: 3085
ELECTROSHOCK: 201, 1702, 1986, 2002, 2325, 2340, 2567, 3273, 3744
ELECTROSURGERY: 1142
ELEMENTARY PARTICLES: 3101
EMBOLISM: 4257–4258
EMBOLISM, FAT: 2232, 4163
EMBOLIZATION, THERAPEUTIC: 1967
EMBRYO: 166, 354, 1168, 1635, 1894, 2077, 2281, 2838, 4410
EMBRYO, NON-MAMMALIAN: 1973, 4008
EMBRYONIC INDUCTION: 422
EMERGENCIES: 2109, 2344, 3890
EMERGENCY SERVICE, HOSPITAL: 3781
EMOTIONS: 12, 123, 1132, 1482, 1688, 2202, 4197
EMPTY SELLA SYNDROME: 708, 1918, 3792, 3905
EMULSIONS: 303
ENAMEL ORGAN: 226, 1118, 2242, 3177, 3231, 3392
ENCEPHALITOGENIC BASIC PROTEINS: 4208
ENDARTERECTOMY: 2204
ENDOCARDITIS, BACTERIAL: 1555, 1712
ENDOCRINE DISEASES: 12, 64, 116, 268, 433, 643, 713, 1053, 1138, 1434, 1555, 1665, 1822, 2014, 2023–2024, 2230, 2780, 3043, 3464, 3622, 3667, 3698, 3821, 4053, 4059, 4100, 4167, 4206, 4244, 4400
ENDOCRINE GLANDS: 150, 593, 665, 1077, 1327, 1364, 1787, 1882, 2021, 2124, 2639, 2656, 2949, 3021, 3080, 3399, 3453–3454, 3504, 3622, 4049, 4195, 4410
ENDOCRINOLOGY: 270, 673, 846–847, 1001, 1228, 1327, 1569, 1661, 1892, 2000, 2005, 2842, 2905, 3008, 3014, 4421, 4446
ENDOCYTOSIS: 3007
ENDODERM: 649
ENDOMETRIAL HYPERPLASIA: 146, 157, 534, 4216–4217
ENDOMETRIOSIS: 45, 215, 397, 550, 687, 692, 801, 854, 2065, 2129, 2541, 3022, 3646, 4003
ENDOMETRIUM: 85, 752, 1071, 1637, 1639, 1749, 1766, 1931, 2158, 2309, 2402, 2756, 3053, 3076, 3600, 3882, 3967
ENDONUCLEASES: 26
ENDOPLASMIC RETICULUM: 56, 863, 1225, 1976, 2579, 2621, 3206, 3245, 3461, 3866, 4036
ENDORPHINS: 37, 54, 121, 248, 288, 298, 349, 575–576, 721, 778, 800, 916, 984, 1054, 1112, 1275, 1296, 1343, 1353, 1363–1364, 1477, 1508, 1566, 1590, 1599, 1607, 1627, 1667, 1788, 1801, 1815, 1850, 1860, 2042, 2181, 2210, 2214–2215, 2256, 2277, 2477, 2518, 2562, 2629–2630, 2679, 2687, 2840, 2993, 2998, 3412, 3456, 3533, 3579, 3593, 3647, 3656, 3799, 4017, 4019, 4035, 4054, 4086, 4098, 4117, 4141, 4154, 4157, 4164, 4176, 4278, 4397
ENDOSCOPY: 1159
ENDOTHELIUM: 174, 203–204, 261, 1293, 1356, 1640, 1867, 2601, 2698, 3399, 3498, 3616, 3731, 4183
ENDOTOXINS: 21, 1287, 1310, 1391, 1680, 1839, 1877, 2588, 3476, 4107, 4115
ENERGY METABOLISM: 293, 331, 372, 417–418, 435, 470, 521, 542, 1289, 1459, 1473, 1539, 1567, 1643, 2817, 2834, 2918, 2935, 3524, 3539, 4095, 4234
ENERGY TRANSFER: 4250
ENFLURANE: 523, 786, 3720
ENKEPHALINS: 121, 213, 288, 575, 610, 778, 916, 984, 1296, 1343, 1417, 1477, 1508, 1599, 1801, 1815, 1850–1851, 1860, 2042, 2076, 2256, 2277, 2345, 2518, 2562, 2679, 3412, 3456, 3533, 3593, 3651, 3794, 3799, 3840, 4035, 4086, 4164
ENTERITIS: 4387
ENTERITIS, REGIONAL: 1555, 2653, 3952
ENTEROCHROMAFFIN CELLS: 4364
ENTEROPEPTIDASE: 2414
ENTEROTOXINS: 1064, 1996, 2739
ENURESIS: 336, 3703
ENVIRONMENT: 1506, 1674, 3173, 3374, 3730
ENVIRONMENTAL EXPOSURE: 180, 1635, 3383, 3572, 4308
ENVIRONMENTAL POLLUTANTS: 4410
ENVIRONMENTAL POLLUTION: 678
ENZYME ACTIVATION: 72, 130, 149, 361, 372, 466, 468, 514, 539, 616, 699, 770, 825, 993, 1162, 1429, 1497, 1501, 1663, 1747, 1760, 1768, 1837, 1887, 1979, 2015, 2102, 2155–2156, 2199, 2201, 2213, 2217, 2240, 2265, 2310, 2323, 2355, 2448, 2605, 2705, 2772, 2867, 3006, 3024, 3026, 3073, 3218, 3309, 3466, 3589–3590, 3668, 3803, 3829, 3832, 3998, 4077–4078, 4087, 4277, 4293, 4312, 4363, 4373, 4375
ENZYME INDUCTION: 21, 107, 339, 509, 787, 1068, 1088, 1125, 1249, 1287, 1324, 1466, 1803, 2634, 2880, 2909, 2934, 3168, 3246, 3385, 3424, 3692, 3790–3791, 3811, 3826, 4087, 4153, 4158
ENZYME INHIBITORS: 1429, 2742, 3168, 3578
ENZYME-LINKED IMMUNOSORBENT ASSAY: 456, 860, 4395
ENZYME PRECURSORS: 4038, 4405
ENZYME REPRESSION: 870, 3319, 3588, 4266
ENZYME TESTS: 3436
ENZYMES: 689, 3841
EOSIN: 602
EOSINOPHILIA: 791, 1794, 2800
EOSINOPHILIC GRANULOMA: 129, 1460
EOSINOPHILS: 2314, 2409, 4037
EPENDYMA: 60, 273, 954, 2794
EPENDYMOMA: 359, 3204
EPHEDRINE: 761
EPIDEMIOLOGIC METHODS: 1727, 3262, 3374, 3407
EPIDERMAL GROWTH FACTORS: 150, 165, 1323, 2807, 3530, 3833
EPIDERMIS: 980, 1323, 2423
EPIDIDYMIS: 31, 171, 377, 580, 795, 802, 913, 1092, 1359, 1388, 1527, 1541, 1633, 1723, 1753, 2275, 2441, 2580, 2654, 2717, 3375, 3522
EPIDIDYMITIS: 171
EPIDURAL SPACE: 2093
EPIGLOTTIS: 3933
EPILEPSY: 384, 1014, 1482, 2483, 2540, 2956, 2992, 3260, 3736, 3914, 3929, 4360
EPILEPSY, GRAND MAL: 2485
EPILEPSY, TEMPORAL LOBE: 205, 2442, 2750
EPIMESTROL: 1215
EPINEPHRINE: 92, 305, 316, 364, 412, 424, 468, 484, 487, 624, 645, 695, 729, 770, 959, 1011, 1020, 1116, 1148, 1196, 1224, 1351, 1406, 1525, 1542, 1629, 1664, 1709, 1719, 1732, 1810, 1812–1813, 1815, 1852, 1880, 1910, 1917, 2071, 2217, 2228, 2275, 2294, 2325–2326, 2340, 2409, 2552, 2641, 2717, 2734, 2851, 2890, 2961, 3001, 3059, 3325, 3394, 3397, 3413, 3519, 3544, 3577, 3582, 3672, 3679, 3734, 3856, 3911, 4060, 4102, 4219, 4257–4258
EPIPHYSES: 982, 2873
EPIPHYSES, SLIPPED: 126, 611
EPITESTOSTERONE: 3901
EPITHELIUM: 31, 378, 649, 723, 791, 832, 1064, 1118, 1149, 1339, 1349, 1749, 1826, 1846, 2051, 2309, 2313, 2359, 2606, 2676, 2752, 2778, 2849–2850, 2883, 3076, 3140, 3216, 3290, 3344, 3381, 3447, 3514, 3553, 3980, 4103, 4111, 4203, 4226, 4345, 4412
EPOXIDE HYDRATASES: 2199
EPOXY COMPOUNDS: 2199
EPOXYTRICHOTHECENES: 1750
EPSTEIN-BARR VIRUS: 2212, 3415
EQUILIBRIUM: 1467
EQUIPMENT AND SUPPLIES: 798, 982, 2874, 2876
ERGOCRYPTINE: 1268
ERGOLINES: 1094
ERGONOVINE: 3674
ERGOSTEROL: 408, 1337, 2917, 3493, 3605
ERGOT ALKALOIDS: 1878
ERGOTOXINE: 1268
ERUCIC ACIDS: 4377
ERYTHEMA: 3765
ERYTHEMA MULTIFORME: 2229, 2979
ERYTHROBLASTOSIS, FETAL: 4399
ERYTHROCYTE MEMBRANE: 602, 896, 1031, 2190, 2302, 2520, 2867, 2933, 3006, 3675, 4227
ERYTHROCYTES: 607, 831, 896, 1031, 1087, 1136, 1154, 1230, 1812, 2190, 2252, 2302, 2444, 2520, 2538, 2547, 2867, 3006, 3290, 3644, 3675, 3979, 4227, 4323
ERYTHRODERMA: 1416
ERYTHROLEUKEMIA: 3368
ERYTHROMYCIN: 3677
ERYTHROPOIESIS: 258, 1136, 1261, 2590, 3006, 4357
ERYTHROPOIETIN: 1136, 1310, 2069, 2685, 3120
ESCAPE REACTION: 1688, 3768, 4019
ESCHERICHIA COLI: 870, 975, 1031, 1064, 1120, 1253, 1310, 1391, 1680, 1996, 1998–1999, 2588, 2694, 2739, 3457, 4106–4107
ESCHERICHIA COLI INFECTIONS: 178, 3305, 4192
ESCIN: 2765
ESOPHAGEAL STENOSIS: 2108–2109
ESOPHAGEAL VARICES: 640, 1767, 4430

ESOPHAGITIS: 2109
ESOPHAGOGASTRIC JUNCTION: 760, 2649, 2801
ESOPHAGUS: 1443, 2108–2109
ESTERASES: 263, 1875
ESTERIFICATION: 284, 2917, 3540
ESTERS: 1875, 2607
ESTETROL: 254
ESTRADIOL: 30, 33, 84, 89, 157, 160, 170, 193, 254, 395, 490, 544, 569, 594, 603, 616, 672, 715, 720, 725, 727, 731, 742, 746, 774, 784, 816, 842, 859, 946, 954, 986, 1024, 1034, 1045, 1108, 1129, 1146, 1148, 1198, 1204, 1215, 1241–1242, 1254, 1280, 1292, 1302, 1308, 1317, 1578, 1666, 1678, 1680, 1686, 1691, 1751, 1780, 1790, 1798, 1845, 1857, 1874, 1912, 1962, 1973, 1985, 2006, 2032, 2065, 2142, 2158, 2165, 2223, 2279, 2312–2313, 2330, 2365, 2513–2514, 2529, 2589, 2599, 2697, 2776, 2790, 2812, 2898, 2960, 2974, 2976–2977, 3010, 3066, 3103, 3105, 3160, 3193, 3222, 3229, 3305, 3367, 3378, 3387–3388, 3451, 3457, 3470, 3490, 3511, 3517, 3528–3529, 3538, 3568–3569, 3635, 3678, 3758, 3867, 3875, 3891, 3906, 3923, 3973, 3990–3991, 4026, 4030, 4034, 4056–4058, 4064, 4126, 4150, 4159, 4233, 4238, 4262, 4264, 4286, 4298, 4324, 4332, 4340–4341, 4402
ESTRADIOL ANTAGONISTS: 1848, 3367
ESTRADIOL DEHYDROGENASES: 1931
ESTRAMUSTINPHOSPHATE: 950, 2661, 4022
ESTRANES: 1691, 3451
ESTRENES: 83, 1215, 3064, 4056
ESTRIOL: 160, 193, 841, 957, 1093, 1170, 1254, 1403, 1492, 1742, 1868, 1971, 1995, 2178, 2589, 2790, 2797, 3129, 3251, 3374, 3387, 3481, 3577, 3583, 3754, 3828, 3860, 3941, 4026, 4070, 4282, 4384
ESTROGEN ANTAGONISTS: 23, 746, 1367, 1691, 1780, 1967
ESTROGENIC SUBSTANCES, CONJUGATED: 986, 1307–1308, 1931, 1965, 2065, 2799, 3510
ESTROGENS: 49, 80, 91, 142, 146–147, 157, 160, 221, 285, 287, 437, 450, 473, 515, 520, 534, 565–566, 572, 634, 723, 725, 769, 834, 846, 930, 934, 946, 1024, 1027, 1129, 1139, 1184, 1200, 1204, 1223, 1237, 1256, 1277, 1303, 1307, 1341, 1361, 1475, 1479–1480, 1500, 1504, 1575, 1597, 1612, 1616, 1650, 1749, 1751, 1755, 1758, 1790, 1800, 1834, 1857, 1869, 1943, 1971, 2006, 2036, 2065, 2094, 2116, 2129, 2193, 2220, 2223, 2227, 2273, 2297, 2348, 2369–2370, 2431, 2529, 2602, 2661, 2681, 2695, 2709, 2792, 2828, 3011, 3053, 3097, 3133, 3171, 3185, 3220, 3261, 3266, 3305, 3319, 3355, 3365, 3387–3388, 3402, 3405, 3447, 3649, 3655, 3754, 3882, 3917, 3941, 3994, 4033, 4056, 4129, 4216–4217, 4237, 4267, 4281, 4298, 4335, 4340–4341, 4359, 4384, 4439
ESTROGENS, NON-STEROIDAL: 354, 950
ESTROGENS, SYNTHETIC: 520, 742, 1671, 1749, 1845, 2098, 2297, 2583, 2735, 2799, 3261
ESTRONE: 30, 157, 160, 193, 305, 670, 672, 946, 986, 1280, 1292, 1308, 1344, 1691, 1751, 1962, 2065, 2128, 2365, 2674, 3165, 3226, 3229, 3305, 3367, 3758, 3923
ESTRUS: 508, 544, 725, 881, 939, 978, 1090, 1288, 1303, 1367, 1558, 1671, 1898, 1923, 1937, 2085, 2387, 2427, 2434, 2535, 2567, 2636, 2667, 2671, 2736, 2753, 3182, 3290, 3511, 3550, 3724, 4159, 4264, 4352
ESTRUS DETECTION: 881
ETHACRYNIC ACID: 1398, 3310
ETHAMBUTOL: 2356, 3282
ETHANOLAMINES: 347, 1012, 1978, 2344, 3501, 3868
ETHER, ETHYL: 693, 1054, 1365, 2073, 2643
ETHICS: 4440
ETHICS, MEDICAL: 4440
ETHINYL ESTRADIOL: 438, 1129, 1139, 1500, 1545, 1633, 1966, 2178, 2449, 2583, 2647, 2909, 3039, 3053, 3108, 3387, 3898
ETHNIC GROUPS: 2992, 3374, 4129
ETHOLOGY: 686, 4180
ETHYLAMINES: 188
ETHYLENETHIOUREA: 2740
ETHYLMALEIMIDE: 1137, 1577, 1998, 4243
ETHYLMORPHINE-N-DEMETHYLASE: 339
ETHYNODIOL DIACETATE: 1633, 3600
ETIDOCAINE: 2128
ETIOCHOLANOLONE: 1350, 3129, 4016
EUKARYOTIC CELLS: 2817
EUNUCHISM: 3690
EVALUATION STUDIES: 74, 200, 315, 516, 658, 957, 1673, 2105, 2348, 2545, 2689, 2893, 3398, 3452, 3604, 3708, 3899, 4135
EVANS BLUE: 3034
EVOKED POTENTIALS: 14, 544, 631, 792, 942, 1482, 2097, 2484, 2633, 2827, 3084, 3155, 3634, 4176
EVOLUTION: 686, 1000, 1644, 2769, 2809, 3465, 3641, 3658
EXCHANGE TRANSFUSION: 3161, 3687
EXERCISE TEST: 2304
EXERTION: 283, 327, 487, 624, 1012, 1123, 1302, 1643, 2010, 2168, 2228, 2311, 2490, 3306, 3321, 3476, 3730, 3771, 4015
EXOCRINE GLANDS: 3175, 3399
EXOCYTOSIS: 167, 1976, 3007, 3679
EXOPHTHALMOS: 406, 753, 835, 1135, 1551, 1835, 2053, 2057, 2397, 2530, 2596, 2975, 3701, 4130, 4275
EXOSTOSES: 2295
EXPECTORANTS: 1069, 2016, 3201
EXPLORATORY BEHAVIOR: 1674, 1781, 1860, 2461
EXTINCTION (PSYCHOLOGY): 556, 2002, 2943, 4019
EXTRACELLULAR SPACE: 435, 805, 952, 2130, 2415, 3280, 3721
EXTRAPYRAMIDAL TRACTS: 3003
EXTRASYSTOLE: 2304
EXTREMITIES: 1152, 1328, 1524
EXUDATES AND TRANSUDATES: 1099, 2339, 3283, 3390, 4264
EYE: 316, 1647, 1849, 2639, 2975, 3789, 4161, 4299
EYE BURNS: 2635, 2931
EYE COLOR: 3390
EYE DISEASES: 1053, 1809, 2001, 2057, 2329, 2922, 3214, 4130, 4247
EYE FOREIGN BODIES: 1422
EYE INJURIES: 3446
EYE NEOPLASMS: 2397, 3608, 3700
EYE PROTEINS: 2931
EYELID DISEASES: 2057
EYELID NEOPLASMS: 4246

F

FACE: 370, 1210, 2781, 2975, 3352, 3559
FACIAL BONES: 1903, 4246
FACIAL MUSCLES: 2126
FACIAL NEOPLASMS: 1551, 4246
FACIAL NERVE: 1974
FACIAL PARALYSIS: 964, 2804
FACTOR VII: 1254
FACTOR VIII: 3179
FACTOR IX: 302, 450
FACTOR X: 4349
FACTOR XII: 3476
FACTOR XIII: 1977
FALLOPIAN TUBES: 453, 648, 687, 1157, 1166, 1620, 2075, 2309, 2392, 2782, 2849
FALSE NEGATIVE REACTIONS: 71, 1177, 2853, 3968, 4440
FALSE POSITIVE REACTIONS: 1978, 2557, 3271, 3512, 4440
FAMILY: 686, 2555, 2992, 3080, 3959
FAMILY PLANNING: 175, 697, 1327, 1411, 3146, 3224, 4179, 4447
FAMILY PRACTICE: 1873
FANCONI SYNDROME: 20, 26, 3051, 4225
FANTASY: 1968
FARNESOL: 3939
FASCIA: 2314
FAST NEUTRONS: 359
FASTING: 113, 1192, 1302, 1734, 2135, 2257, 2737, 2935, 2985, 3245, 3947, 4060
FAT NECROSIS: 2773
FATHER-CHILD RELATIONS: 690
FATIGUE: 1643
FATS, UNSATURATED: 1395, 1895, 2084
FATTY ACID SYNTHETASE COMPLEX: 313, 1432, 2496
FATTY ACIDS: 144, 1395, 2231, 2496, 2516, 3338, 3889, 4007
FATTY ACIDS, ESSENTIAL: 2798, 3851
FATTY ACIDS, NONESTERIFIED: 133, 417, 484, 782, 971, 1049, 1567, 1734, 1854, 2010, 2717, 2808, 2834, 3059, 3397, 3502, 4226
FATTY ACIDS, UNSATURATED: 350, 2382, 2516, 2870, 4377
FATTY LIVER, ALCOHOLIC: 4021
FATTY STREAK, ARTERIAL: 284
FEAR: 2461
FECES: 53, 315, 2542, 3871, 4434
FEEDBACK: 278, 1238, 1256, 2165, 2484, 2753, 3096, 3136, 3482, 3528, 4059
FEEDING BEHAVIOR: 201, 309, 759, 901, 1090, 1989, 2174, 2518, 2840, 3202, 3211, 3292, 3401, 3486, 3511, 3567, 3784, 4000, 4074, 4085, 4340–4341, 4351
FEMINIZATION: 1027, 2193
FEMORAL ARTERY: 3341
FEMORAL FRACTURES: 386, 2474, 2904, 3677
FEMORAL NECK FRACTURES: 587
FEMORAL NEOPLASMS: 3068
FEMORAL VEIN: 3341
FEMUR: 315, 386, 579, 798, 982, 1382, 1500, 2183, 2250, 2873, 3068, 4005
FEMUR HEAD: 126
FEMUR HEAD NECROSIS: 1414
FENFLURAMINE: 2391, 3112
FENTANYL: 907, 1007, 2008
FERREDOXIN-NADP REDUCTASE: 1546, 2577
FERREDOXINS: 1546
FERRICYANIDES: 376, 1211, 1523, 1548, 2049
FERRITIN: 1091, 3753, 3970, 4108
FERTILITY: 972, 1498, 1633, 1997, 2624, 2830, 2948, 3128, 3453
FERTILIZATION: 164, 1997, 2736, 2940, 3311, 4285
FETAL ALCOHOL SYNDROME: 2781
FETAL ANOXIA: 2045, 2906
FETAL BLOOD: 511, 566, 745, 971, 1854, 1864, 2332, 2543, 2576, 2578, 2750, 2779, 3285, 3330, 3698, 3835, 3843, 4282, 4323, 4345
FETAL DEATH: 497, 642, 731, 1002, 1168, 1170, 1177, 1901, 1964, 2556, 2675, 2797, 2853, 3185, 3380, 3414, 4399
FETAL DISEASES: 957, 1002, 1518, 1727, 3234, 3414, 4282
FETAL DISTRESS: 296
FETAL GROWTH RETARDATION: 220, 957, 1170, 2675, 2797, 3184, 4113
FETAL HEART: 249, 383, 1002, 2853, 2906, 4372
FETAL HEMOGLOBIN: 4440
FETAL MEMBRANES: 2332, 3226
FETAL MONITORING: 841, 957, 2470, 2556, 3185, 3414, 3828, 4282
FETAL RESORPTION: 2282, 2330
FETAL VIABILITY: 914
FETOSCOPY: 4440
FETUS: 212, 220, 240, 354, 383, 404, 439, 473, 511, 546, 566, 620, 634, 731, 790, 810, 830, 846, 931, 966, 1141, 1154, 1170, 1176, 1281, 1308, 1538, 1576, 1594, 1635, 1699, 1783, 1834, 1857, 1901, 1905, 1957, 1964, 2253, 2332, 2425, 2470, 2548, 2581, 2700, 2709, 2750, 2838, 2853, 2952, 3046, 3067, 3125, 3175, 3330, 3361, 3526, 3591, 3678, 3828–3829, 3843–3844, 3882, 4096, 4174, 4282
FEVER: 349, 714, 1247, 1350, 1589, 1623, 3730
FIBER OPTICS: 1159
FIBRIN: 770, 2139, 2896, 3689
FIBRIN FIBRINOGEN DEGRADATION PRODUCTS: 2251, 2559, 2896
FIBRINOGEN: 1167, 1533, 2251, 2559, 2896, 3312
FIBRINOLYSIN: 770, 3519
FIBRINOLYSIS: 770, 1254, 1882, 1977, 2045, 2896, 3519, 4029
FIBRINOLYTIC AGENTS: 770, 2003
FIBROBLASTS: 26, 505, 614, 908, 993, 1300, 1323, 1351, 1678, 2990, 3301, 3530, 4208, 4315
FIBROMA: 3267
FIBROSARCOMA: 3267
FIBULA: 2874–2876
FILARIASIS: 1005
FILIPIN: 2752, 3493
FILTRATION: 583, 3398
FINGER INJURIES: 4168
FINGERS: 50, 362, 3267
FINGERSUCKING: 3329
FISHES: 1, 267, 502, 606, 1000, 1194, 2077, 2367, 2898–2899, 3363, 3747, 4195
FISTULA: 2327
FIXATIVES: 1157
FLA 63: 1986, 2085, 3093
FLAGELLA: 2965

FLAVONES: 2909
FLAVOPROTEINS: 2953
FLOCCULATION TESTS: 2927
FLUDROCORTISONE: 771, 1370, 4073
FLUFENAMIC ACID: 1802
FLUID THERAPY: 658, 4133, 4163
FLUMETHASONE: 2895
FLUOCINOLONE ACETONIDE: 196, 1935, 2503, 3134, 4161, 4344
FLUOCINONIDE: 2503
FLUOCORTOLONE: 1428, 2670
FLUORESCEIN ANGIOGRAPHY: 50, 1872, 4247
FLUORESCEINS: 225, 2190, 2281, 3433, 3712
FLUORESCENCE: 848, 2281, 3284, 3712
FLUORESCENT ANTIBODY TECHNIC: 248, 806, 1400, 1462, 1706, 2076, 2135, 2229, 2315, 2562, 2654, 3098, 3456, 3916, 3927, 4121, 4242, 4255
FLUORESCENT DYES: 1694, 1886, 2358
FLUORIDE POISONING: 3901
FLUORIDES: 243, 584, 613, 761, 981, 1031, 1153, 1332, 1420, 2625, 3126, 3993, 4112, 4219
FLUORINE: 584
FLUOROCARBONS: 777
FLUOROMETRY: 274, 516, 1307
FLUOROSCOPY: 3554
FLUOROURACIL: 385, 400, 1142, 1428, 2414
FLUOXETIN: 2181, 2573, 3112
FLUPHENAZINE: 28, 3798
FLUPREDNISOLONE: 196, 3134
FLUTAMIDE: 4024
FOLIC ACID: 465, 1488, 2464
FOLIC ACID DEFICIENCY: 407, 1136
FOLLICULITIS: 791
FOLLOW-UP STUDIES: 48, 102, 118, 222, 290, 432, 530, 595, 697, 741, 805, 941, 963–964, 973, 985, 1095, 1255, 1331, 1342, 1485, 1669, 1673, 1922, 2145, 2204, 2245, 2271, 2347, 2436, 2596, 2733, 2959, 3087, 3144, 3169, 3316, 3389–3391, 3440, 3703, 3709, 3817, 3864, 3958, 4027, 4424
FONAZINE MESYLATE: 1247
FOOD: 266, 2202, 2943, 4085
FOOD ADDITIVES: 2950
FOOD CONTAMINATION, RADIOACTIVE: 1, 2185
FOOD DEPRIVATION: 42, 317, 1823–1824
FOOD, FORTIFIED: 932
FOOD HABITS: 35
FOOD HANDLING: 1693
FOOD INSPECTION: 1692
FOOD MICROBIOLOGY: 1692
FOOD PREFERENCES: 1067, 3567
FOOD TECHNOLOGY: 3990
FOOT: 1961, 4080
FOOT DISEASES: 303
FORCED EXPIRATORY VOLUME: 2068
FOREARM: 949, 1130
FOREIGN BODIES: 560
FOREIGN BODY REACTION: 1489
FORENSIC MEDICINE: 77, 2067, 2676, 3297, 3875
FORMALDEHYDE: 1733
FORMAZANS: 1608
FOSFOMYCIN: 299
FOXES: 508
FRACTIONATION: 579, 583
FRACTURE FIXATION: 2873, 2875–2876, 3781
FRACTURE FIXATION, INTERNAL: 2523, 3677
FRACTURE FIXATION, INTRAMEDULLARY: 1891
FRACTURES: 386, 611, 1368, 1708, 1891, 1920, 2249, 2474, 2874–2875, 2914, 3781, 4118
FRACTURES, CLOSED: 1708
FRACTURES, SPONTANEOUS: 587, 2523, 2904
FRACTURES, UNUNITED: 1368, 2283
FREE RADICALS: 1681
FREEZE ETCHING: 2056
FREEZE FRACTURING: 390, 892, 2531, 3493, 4111, 4381
FREUDIAN THEORY: 1968
FREUND'S ADJUVANT: 1543, 3903
FROGS: 52, 783, 878, 920, 1137, 1349, 1473, 1973, 2151, 2484, 2688, 2747, 2749, 2752, 2769, 2850, 2984, 2993, 3225, 3279, 3980, 4102–4103, 4294
FRONTAL LOBE: 28, 4177
FROZEN SECTIONS: 2009, 2871
FRUCTOSE: 525, 1580, 2141, 2441, 3740
FRUCTOSEDIPHOSPHATE ALDOLASE: 414, 572, 1347, 4373
FRUCTOSEDIPHOSPHATES: 702, 3013
FRUCTOSEPHOSPHATES: 3013
FRUIT: 1
FSH: 97, 151, 162, 211, 287, 304, 308, 403, 428, 488, 547, 577, 583, 597, 754, 766, 816, 865–866, 911, 923, 986, 1048, 1144, 1146, 1206, 1215, 1241, 1341, 1393, 1407, 1426–1427, 1476, 1511, 1612, 1798, 1834, 1840, 1898, 1923, 2006, 2035, 2165, 2219, 2230, 2248, 2262, 2273, 2365, 2399, 2488, 2543, 2621, 2733, 2737, 2757, 2830, 2856, 2936, 2981, 3053, 3097, 3147, 3154, 3276, 3306–3307, 3377, 3402, 3405, 3510, 3517, 3528–3529, 3650, 3682, 3699, 3753, 3758, 3780, 3832, 3902, 3943, 3991, 4065, 4069, 4149, 4262, 4298, 4324, 4385
FUCOSE: 2218, 4007, 4218
FUEL OILS: 2337
FUMARATES: 2157
FUNDUS OCULI: 3797
FUNGAL PROTEINS: 1657, 2475
FUNGI: 1442, 2021
FURANS: 4271
FUROSEMIDE: 7, 15, 630, 735, 828, 1055, 1335, 1398, 1656, 1914, 2072, 2134, 2196, 2413, 2863, 3141, 3309, 3467
FUSARIC ACID: 1792, 2416
FUSARIUM: 1657
FUTUROLOGY: 576, 3003, 4154, 4267

G

GABA: 301, 772, 977, 1643, 2079, 2629–2630, 2827, 3155, 3705, 3746, 3953, 4069, 4110
GAIT: 15
GALACTOKINASE: 4218
GALACTORRHEA: 97, 156, 396, 858, 1285, 1644, 1856, 2230, 2384, 2424, 2761, 3171, 3181, 3480, 3792, 4100
GALACTOSE: 4040
GALLBLADDER DISEASES: 1058
GALLIC ACID: 1299
GALLIUM RADIOISOTOPES: 406, 3910, 3986
GAMMA GLOBULINS: 1344, 1773
GAMMA RAYS: 1828, 2265, 2949
GANGLIA: 553, 1218, 2492, 2622, 2957, 3767, 3953
GANGLIA, AUTONOMIC: 187, 301, 1424, 1520, 3005, 3432, 4120
GANGLIA, BASAL: 2133
GANGLIA, SPINAL: 817, 1774, 3110, 3704
GANGLIONEUROMA: 740, 2327
GANGLIOSIDES: 4007
GASES: 761
GASTRIC EMPTYING: 1763, 4252
GASTRIC INHIBITORY POLYPEPTIDE: 1063, 3877
GASTRIC JUICE: 95, 739, 869, 1188, 1217, 1545, 2801, 2982, 3877, 3988, 4171
GASTRIC MUCOSA: 615, 1545, 2083, 2135, 2478, 2564, 3589, 3877, 3988, 4222, 4364
GASTRINS: 95, 292, 691, 739, 987, 1063, 1545, 1987, 2135, 3877
GASTRITIS: 869, 4387
GASTROENTERITIS: 4179
GASTROINTESTINAL DISEASES: 102, 869, 985, 2014, 2858, 3585, 3871
GASTROINTESTINAL HORMONES: 72, 399, 437, 691, 1063, 1715, 1851, 1853, 1932, 3221
GASTROINTESTINAL MOTILITY: 1607, 3162, 3931, 4252
GASTROINTESTINAL NEOPLASMS: 639, 3615
GASTROINTESTINAL SYSTEM: 136, 665, 674, 691, 913, 1363–1364, 2256, 2562, 2801, 2911
GAUCHER'S DISEASE: 456, 598
GEL DIFFUSION TESTS: 133, 214, 623, 2199, 3026, 3992, 4188, 4409
GELS: 2361, 3438, 4256
GENDER IDENTITY: 1172, 3080
GENE FREQUENCY: 401, 651, 680, 2444, 3852, 4189, 4323
GENERALIZATION (PSYCHOLOGY): 1775
GENES: 2822, 2964, 3222, 3319, 3342, 3435, 3454, 4109, 4189, 4218
GENES, DOMINANT: 2124, 2295, 3596, 3714
GENES, IMMUNE RESPONSE: 1032, 2653
GENES, LETHAL: 1110, 1297
GENES, RECESSIVE: 799, 2124, 3375, 3596
GENES, REGULATOR: 2822, 2880, 3714, 3791, 3800, 4153
GENES, STRUCTURAL: 607, 1929, 2694, 2880, 3800, 4153
GENES, VIRAL: 910
GENETIC CODE: 3319
GENETIC COUNSELING: 1132, 3224, 4425
GENETIC INTERVENTION: 2160
GENETICS, BEHAVIORAL: 123
GENETICS, BIOCHEMICAL: 2124
GENETICS, HUMAN: 3224
GENETICS, MICROBIAL: 2160
GENICULATE BODIES: 705, 3912
GENITAL DISEASES, FEMALE: 296, 830, 1018, 4134–4135
GENITAL DISEASES, MALE: 1963, 4281
GENITAL NEOPLASMS, FEMALE: 222, 476, 687, 1375, 2158, 3646, 4135
GENITALIA: 747, 1690, 1942
GENITALIA, FEMALE: 265, 544, 1068, 1776, 2324, 4096, 4159, 4244
GENITALIA, MALE: 377, 599, 1098, 1633, 1753, 1776, 1883, 2324, 3015, 3282, 3639, 4024, 4096
GENOTYPE: 436, 1524, 2124, 3454, 4309
GENTAMICINS: 178, 225, 368, 1422, 3457, 4192
GEOGRAPHY: 2431
GEOLOGY: 35
GERBILS: 2110, 3005, 3523, 3762
GERIATRIC DENTISTRY: 2466
GERIATRICS: 3081
GERM CELLS: 1281, 1373
GERM-FREE LIFE: 2891
GERM LAYERS: 3352
GESTATIONAL AGE: 59, 61, 248, 383, 511, 650, 732, 790, 971, 1168, 1170, 1261, 1270, 1524, 1587, 1605, 1761, 1864, 2253, 2470, 2496, 2838, 2858, 2981, 3226, 3322, 3350, 3828, 3869, 4011, 4372, 4385
GESTONORONE CAPROATE: 1309, 1375
GIANT CELL TUMORS: 635, 3068
GIGANTISM: 41, 4319
GILLS: 1481
GINGIVA: 1351–1352
GINGIVITIS: 1352
GLASS: 1125
GLAUCOMA: 394, 1238, 1551, 1571, 2774, 4047, 4247
GLIBENCLAMIDE: 1334
GLIOBLASTOMA MULTIFORME: 359, 1992, 3204
GLIOMA: 65, 359, 575, 2442, 3404, 3569
GLOBIN: 1154, 2861
GLOBULINS: 2090
GLOBUS PALLIDUS: 2629–2630
GLOMERULAR FILTRATION RATE: 82, 158, 186, 319, 458, 805, 837, 839, 851, 877, 992, 1109, 1474, 1550, 1630, 2205, 2640, 2980, 3113, 4223, 4225, 4294, 4321, 4443
GLOMERULONEPHRITIS: 459, 530, 934, 1167, 1400, 1405, 1449, 1685, 2030, 3238, 3592
GLOMERULOSCLEROSIS, FOCAL: 530, 1167, 3592, 4121
GLUCAGON: 154, 218, 246, 331, 412, 437, 645, 694, 703, 782, 917, 953, 959, 1196, 1334, 1353, 1361, 1364, 1539, 1667, 1701, 1703, 1714, 1734, 1852, 2095, 2157, 2217, 2319, 2882, 3158, 3299, 3331, 3397, 3630, 3663, 3877, 3916, 3978, 3993, 3998, 4147, 4293, 4443
GLUCOCORTICOIDS: 62, 178, 203, 221, 228, 566, 572, 858, 1138, 1266, 1287, 1361, 1504, 1539, 1604, 1612, 1715, 1791, 1969, 2366, 2419, 2476, 2581, 2643, 2800, 3097, 3161, 3182, 3201, 3212, 3301, 3345–3346, 3368, 3413, 3602–3603, 3786, 3896, 3919, 4095, 4161
GLUCOCORTICOIDS, SYNTHETIC: 238, 1721, 3124, 3424, 3786, 4028, 4453
GLUCOCORTICOIDS, TOPICAL: 3134
GLUCOKINASE: 1068
GLUCONEOGENESIS: 1196, 3013
GLUCOSE: 163, 218, 312, 405, 458, 645, 729, 812, 953, 971, 975, 1049, 1128, 1334, 1397, 1495, 1539, 1852, 1882, 2157, 2287, 2493, 2527, 2537, 3013, 3130, 3158, 3301, 3437, 3567, 3630, 3663, 4040, 4249, 4266, 4340–4341, 4365
GLUCOSE SOLUTION, HYPERTONIC: 1128
GLUCOSE TOLERANCE TEST: 1407, 2113, 2569, 3078, 3149, 3251, 3630, 3954
GLUCOSEPHOSPHATASE DEFICIENCY: 3630
GLUCOSEPHOSPHATE

DEHYDROGENASE: 568, 573, 608, 2075, 2695, 3370, 4012, 4320
GLUCOSEPHOSPHATES: 1209, 3013
GLUCOSIDASES: 456, 580, 1877, 3852
GLUCOSIDES: 209
GLUCOSINOLATES: 2648
GLUCOSYLCERAMIDASE: 456
GLUCURONATES: 670, 672, 677, 1282, 2221, 2790
GLUCURONIDASE: 1313, 1600, 2880, 3790–3791, 4153
GLUTAMATE DECARBOXYLASE: 772
GLUTAMATES: 301, 685, 977, 2157, 2749, 2767, 3058, 3746, 3822, 3953
GLUTAMINE: 1260
GLUTAMINE SYNTHETASE: 572, 3209, 3424
GLUTAMYL TRANSPEPTIDASE: 1698, 1741, 3026, 3209
GLUTATHIONE: 149, 316
GLUTATHIONE TRANSFERASES: 4010
GLUTEN: 1510, 2159
GLYCERIDES: 312, 3605
GLYCERIN: 322, 3059
GLYCEROLPHOSPHATE ACYLTRANSFERASE: 2764
GLYCEROLPHOSPHATE DEHYDROGENASE: 3350
GLYCEROPHOSPHATES: 2861
GLYCERYL TRINITRATE: 663, 2049, 2913, 4175, 4367
GLYCINE: 301, 977, 1733, 2575, 3675, 3953
GLYCOGEN: 484, 523, 664, 703, 1302, 1367, 1530, 1539, 1643, 3258, 3731, 4020
GLYCOGEN PHOSPHORYLASE: 3073, 3998
GLYCOGEN SYNTHETASE: 664, 2146, 3998
GLYCOGEN SYNTHETASE PHOSPHATASE: 4020
GLYCOGENOSIS: 745, 2124
GLYCOLATES: 494
GLYCOLIPIDS: 3256
GLYCOLYSIS: 414, 607, 1953, 2493, 2834, 3521, 3731
GLYCOPEPTIDES: 1133, 2936
GLYCOPROTEINS: 99, 159, 634, 680, 726, 1118, 1125, 1587, 1613, 1747, 2044, 2216, 2218, 2284, 2407, 2449, 2908, 3255–3256, 3281, 3776, 3820, 3835, 3913, 3928, 3987, 4189, 4409
GLYCOSAMINOGLYCANS: 2532
GLYCOSIDES: 209
GLYCOSURIA: 2614
GLYCYRRHIZA: 324
GLYOXAL: 3147
GOATS: 608, 1005, 1578, 1756, 1976, 3310, 3882, 4079, 4126
GOITER: 256, 638, 1059–1060, 1593, 1876, 2327, 2740, 2763, 2990, 3033, 3046, 3136, 3515, 3597, 3936, 4027, 4031, 4039, 4081, 4202, 4429
GOITER, ENDEMIC: 35, 125, 1659, 2545, 2950, 3023
GOITER, EXOPHTHALMIC: 13, 48, 71, 351, 393, 406, 474, 506, 638, 722, 757, 1032, 1059, 1336, 1483, 1592, 1673, 1809, 1876, 1952, 2498, 2546, 2653, 2754, 2896, 3244, 3408, 3623, 3660, 3759, 3817, 4013, 4081, 4173, 4181, 4241, 4300
GOITER, NODULAR: 600, 718, 722, 1336, 1483, 1513, 1592, 2498, 2763, 3174, 3196, 3597, 3759, 4081
GOITER, SUBSTERNAL: 4145, 4382, 4390
GOLD: 494, 756, 1008, 1560, 2947, 2979
GOLD COLLOID, RADIOACTIVE: 2595, 2994
GOLD RADIOISOTOPES: 2594–2595
GOLD THIOGLUCOSE: 2947
GOLD THIOMALATE: 2584
GOLDFISH: 273
GOLGI APPARATUS: 31, 1106, 1320, 1976, 2579, 3820
GONADOTROPINS: 354, 515, 730, 737, 911, 1834, 2047, 3037, 3261, 3470, 3775–3776, 4215
GONADOTROPINS, CHORIONIC: 75, 79, 117, 159, 337, 356, 429, 471, 518, 525, 547, 561, 586, 623, 636, 668, 726, 737, 886, 911, 1223, 1237, 1256, 1264, 1354, 1402, 1516, 1639, 1735, 1737–1738, 1761, 1764, 1834, 1840–1841, 1869, 1943, 1972, 1997, 2044, 2543, 2558, 2579, 2655, 2695, 2703, 2802, 2805–2806, 2828, 2916, 2936, 2948, 3097–3098, 3131, 3154, 3334, 3449, 3490, 3496, 3499, 3512, 3690, 3769, 3788, 3861, 4024, 4108, 4298, 4385, 4442
GONADOTROPINS, EQUINE: 946, 1764, 1841, 1997, 2187, 2736
GONADOTROPINS, PITUITARY: 428, 502, 710, 749, 923, 1068, 1215, 1303, 1752, 1834, 1905, 2031, 2094, 2193, 2402, 2701, 2737, 2756, 2949, 3307, 3774, 3780, 4150, 4262
GONADS: 255, 426, 502, 682, 830, 1752, 1942, 2418, 2949, 3121, 3253, 3469, 4008, 4244, 4274
GONORRHEA: 3305
GOODPASTURE'S SYNDROME: 3592
GORILLAS: 508
GOUT: 1555, 3219, 3476
GRAAFIAN FOLLICLE: 112, 453, 463, 547, 583, 1204, 1373, 1694, 1975, 2365, 2667, 2695, 2981, 3154, 3276, 4313
GRAFT REJECTION: 618, 894, 2339, 3706
GRAFT SURVIVAL: 1725
GRAFT VS HOST REACTION: 234, 531, 1336, 4309
GRANULATION TISSUE: 4249
GRANULOCYTES: 1521, 3175, 3328, 3500, 3737, 4111, 4357
GRANULOMA: 1023, 1700, 1862, 1955, 3518
GRANULOMA, GIANT CELL: 2904
GRANULOMATOUS DISEASE, CHRONIC: 2444
GRANULOSA CELL TUMOR: 111, 1360, 1376, 2900, 3824, 4287
GRANULOSA CELLS: 75, 577, 1373, 1612, 2365
GRASSES: 1
GRASSHOPPERS: 1343
GROOMING: 395, 922, 1674
GROSS VIRUS: 234, 928
GROWTH: 209, 220, 228, 517, 607, 1077, 1319, 1783, 2622, 3021, 3253, 3299, 3822, 3919, 4184
GROWTH DISORDERS: 12, 139, 496, 512, 528, 985, 1004, 1138, 1772, 1814, 2211, 2774, 2959, 3259, 3919, 4055, 4130
GROWTH INHIBITORS: 228, 3301
GROWTH SUBSTANCES: 150, 2807, 3122, 3301–3302, 3443, 4208
GTP PHOSPHOHYDROLASE: 1064
GUAIACOL: 3853
GUANETHIDINE: 1072
GUANIDINES: 503, 808, 1746, 1866, 3536
GUANINE: 3750
GUANINE DEAMINASE: 1538
GUANINE NUCLEOTIDES: 466, 783, 1958
GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE: 19, 52, 65, 99, 263–264, 291, 299, 445, 510, 712, 783, 792, 906, 993, 1180, 1305, 1310, 1438–1439, 1451, 1536, 1550, 1581, 1663, 1754, 1799, 1805, 1810, 1812, 1880, 1953–1954, 2014, 2049, 2068, 2207, 2239, 2326, 2351, 2388, 2423, 2446, 2475, 2511, 2686, 2701, 2709, 2734, 2739, 2747, 2808, 2902, 2937, 3041, 3195, 3337, 3416, 3553, 3620, 3666, 3733, 3750, 3761, 3805, 3809, 3856, 4023, 4082, 4089, 4091, 4229
GUANOSINE DIPHOSPHATE: 783
GUANOSINE DIPHOSPHATE MANNOSE: 2306
GUANOSINE MONOPHOSPHATE: 301
GUANOSINE TETRAPHOSPHATE: 870
GUANOSINE TRIPHOSPHATE: 145, 466, 783, 981, 1209, 1701, 2201, 2217, 3286, 3466
GUANYL CYCLASE: 1064, 2102, 2161, 2201, 2388, 3242, 3416, 3514, 3809, 3938
GUANYLYL IMIDODIPHOSPHATE: 466, 613, 1183, 1557, 1701, 1768, 3006, 3770, 3938, 4277
GUILT: 1624
GUINEA PIGS: 88, 244, 282, 293, 330, 435, 499, 562, 568, 610, 698, 906, 918, 1100, 1105, 1141, 1308, 1437, 1468, 1578, 1644, 1652, 1684, 1745, 1754, 1815, 1832, 1866, 1886, 1939, 1958, 2075, 2182, 2199, 2215, 2256, 2311, 2319, 2446–2447, 2519, 2539, 2604, 2801, 2815, 2827, 2884, 2909, 3187–3188, 3305, 3386, 3399, 3412–3413, 3456, 3475, 3541, 3617, 3770–3771, 3809, 3838, 3871, 3881, 3903, 3988, 4009–4010, 4019, 4115, 4171, 4185
GYNECOLOGY: 4408
GYNECOMASTIA: 590, 769, 1079, 1279, 1869, 1962, 2230, 4021
GYRUS CINGULI: 42

H

H-2 ANTIGENS: 3764, 4174
H-Y ANTIGEN: 799, 1233, 2654–2655, 2777, 3142, 3197, 4109, 4274, 4368–4369
HABITUATION (PSYCHOPHYSIOLOGY): 1819
HAEMOPHILUS INFLUENZAE: 3856
HAIR: 401, 470, 781, 2383, 2676, 2895, 3284
HALF-LIFE: 153, 219, 713, 2258, 2670, 3263, 3485
HALLUCINATIONS: 465, 2011, 4054
HALOGENS: 4350
HALOPERIDOL: 28, 199, 206, 701, 1478, 1642, 1728, 2391, 3103, 3112, 3683
HALOTHANE: 661, 1183, 1431, 2073, 2633, 2643, 3103, 3825, 4289
HAMARTOMA: 639, 796, 2238, 3351, 3560
HAMSTERS: 435, 532, 684, 695, 734, 969, 1073, 1090, 1141, 1283, 1320, 1372, 1644, 1774, 1836, 1991, 2132, 2199, 2215–2216, 2256, 2406, 2604, 2865, 3395, 3485, 3724, 4171, 4218
HAND: 74, 1586, 2189, 2781, 3849
HANDLING (PSYCHOLOGY): 1506
HAPLOIDY: 2964
HAPTENS: 2607, 3861, 3903
HAPTOGLOBINS: 3892
HARDERIAN GLAND: 3550
HARMALINE: 1161, 1349
HAY FEVER: 1174, 1535
HEAD: 1830, 3213, 4311
HEAD AND NECK NEOPLASMS: 960, 1102, 1830, 1988, 3267, 3477
HEADACHE: 816, 991, 2202, 2540, 3787, 3905, 4097
HEALTH: 2021
HEALTH EDUCATION: 3959
HEALTH RESORTS: 2372
HEALTH SURVEYS: 2202
HEARING: 1389
HEARING DISORDERS: 3169
HEARING LOSS, CONDUCTIVE: 1717
HEARING LOSS, NOISE-INDUCED: 293, 4308
HEARING LOSS, PARTIAL: 1717
HEARING LOSS, SENSORINEURAL: 656, 1717
HEART: 10, 47, 94, 402, 425, 762, 767, 906, 1036, 1042, 1148, 1183, 1283, 1358, 1528, 1640, 1725, 1778, 1880, 2021, 2151, 2254, 2286, 2305, 2326, 2528, 2678, 2730, 2788, 2919, 3106, 3187–3188, 3497, 3770, 3777, 3838, 3851, 4023, 4102, 4367
HEART ARREST: 1348, 2304
HEART ATRIUM: 2206, 2243, 2760, 3796, 4023
HEART CONDUCTION SYSTEM: 2304
HEART DEFECTS, CONGENITAL: 2610, 2677, 2781, 3184
HEART DISEASES: 1832
HEART ENLARGEMENT: 41, 435, 963, 1082, 3631
HEART FAILURE, CONGESTIVE: 435, 797, 1231, 1398, 1832, 1855, 2205
HEART NEOPLASMS: 3267, 4177
HEART RATE: 10, 249, 319, 364, 462, 477, 479, 487, 564, 841, 867, 918, 997, 1002, 1011, 1046, 1105, 1229, 1283, 1556, 1688, 1699, 1855, 1881, 1950, 2002, 2118, 2168, 2188, 2237, 2254, 2286, 2305, 2325, 2647, 2808, 2853, 2961, 3188, 3237, 3275, 3593, 3838, 3846, 3946, 3965, 3977, 4102, 4282
HEART SEPTAL DEFECTS: 2677
HEART SURGERY: 1712, 4339
HEART VALVE DISEASES: 1042
HEART VALVE PROSTHESIS: 1435
HEART VALVES: 2677
HEART VENTRICLE: 350, 3106, 3666, 3751, 3803, 4107
HEAT: 424–425, 870, 1064, 1503, 1573, 1928, 1996, 2276, 2766, 2880, 3058, 3955, 4128, 4296, 4317, 4434
HELA CELLS: 172, 539, 555, 1836, 3301
HELIANTHUS: 4377
HELIX (SNAILS): 706
HEMAGGLUTINATION: 3594
HEMAGGLUTINATION TESTS: 1290, 2927
HEMANGIOENDOTHELIOMA: 796, 874
HEMANGIOMA: 1551, 3214, 3477, 4246
HEMANGIOMA, CAVERNOUS: 796
HEMANGIOPERICYTOMA: 1835, 4148
HEMATOCOLPOS: 2268
HEMATOCRIT: 851, 900, 1838, 2285, 2430, 2547, 2597, 2844, 2947, 3034, 3120, 3239, 3398, 3741, 3930
HEMATOLOGIC DISEASES: 3500

HEMATOMA: 1257, 3560
HEMATOPOIESIS: 819, 3166, 4283, 4357
HEMATOPOIETIC STEM CELLS: 513, 2631, 3764, 3941
HEME: 2519
HEMEPROTEINS: 2601
HEMIANOPSIA: 1574, 1669, 3084, 3278
HEMICHOLINIUM 3: 871
HEMOCHROMATOSIS: 2491, 2653, 3753
HEMODIALYSIS: 95, 143, 342, 530, 571, 658, 744, 794, 809, 821, 894, 1065, 1109, 1136, 1150, 1793, 1820–1821, 1870, 1916, 2210, 2245, 2685, 2751, 2914–2915, 2925, 2998, 3161, 3354, 3398, 3427–3428, 3458, 3886, 3916, 4061, 4150, 4154, 4182, 4186, 4284
HEMODYNAMICS: 318, 364, 435, 624, 805, 867, 902, 975, 997, 1012, 1085, 1148, 1186, 1211, 1220, 1556, 1699, 1832, 2004, 2008, 2479, 2742, 2769, 2784, 2798, 2813, 3200, 3721, 3869, 4092, 4388
HEMOGLOBINOPATHIES: 3184
HEMOGLOBINS: 607, 609, 900, 1091, 1154, 2430, 2947, 3368, 3645, 3741, 4194
HEMOGLOBINURIA: 322
HEMOLYMPH: 574, 803
HEMOLYSIS: 1796, 2102
HEMOLYTIC PLAQUE TECHNIC: 2334
HEMOPERFUSION: 576, 1987, 3161, 3926
HEMOPERITONEUM: 3039
HEMOPHILIA: 1977
HEMORRHAGE: 1083, 1136, 1405, 2592, 3095, 3178–3179, 3525, 3680
HEMORRHAGE, GASTROINTESTINAL: 640, 674, 869, 1767, 2070, 3931, 4430
HEMORRHAGE, ORAL: 3464
HEMORRHAGE, POSTRARTUM: 763, 3674, 4399
HEMORRHOIDS: 2765
HEMOSTASIS: 203–204, 329, 3179
HEMOSTATIC TECHNICS: 640
HEMOSTATICS: 3734
HEPARIN: 203, 302, 996, 1167, 1348, 1596, 2651, 2765, 3397, 4284
HEPATECTOMY: 1877, 2409
HEPATIC ARTERY: 305–306, 1211, 3200, 4147
HEPATIC COMA: 576, 3207, 3864
HEPATIC VEIN THROMBOSIS: 4049
HEPATIC VEINS: 1739
HEPATITIS: 116, 432, 1655, 2653, 3864
HEPATITIS A: 3419
HEPATITIS, ANIMAL: 619
HEPATITIS B: 2642
HEPATITIS B ANTIGENS: 3864
HEPATITIS B SURFACE ANTIGEN: 894
HEPATITIS, TOXIC: 1484, 2642, 3419
HEPATITIS, VIRAL, HUMAN: 1773, 3864
HEPATOMA: 174, 457, 796, 2281, 2445, 2748, 3608, 3855, 3942
HEPATOMA, EXPERIMENTAL: 1125, 1287, 2817, 3190, 3491
HEPATOMEGALY: 903, 1623, 3271, 3864
HEPTANOATES: 1092
HEREDITARY DISEASES: 1110, 1270, 1518, 2124
HERMAPHRODITISM: 1079, 1107, 1671, 1776, 2847, 3119, 3311, 3596
HERNIA: 1059
HEROIN ADDICTION: 309, 428, 1801, 4113, 4194
HERPES GESTATIONIS: 2229
HERPES SIMPLEX: 2642
HETEROCHROMATIN: 899, 1818, 2970
HETEROZYGOTE: 161, 2101, 3085
HETEROZYGOTE DETECTION: 450, 2650, 4156
HEXACHLOROBENZENE: 2656
HEXACHLOROPHENE: 2924, 3300
HEXAMETHONIUM COMPOUNDS: 10, 564, 2649
HEXESTROL: 400, 1226
HEXOBARBITAL: 2008, 2433
HEXOKINASE: 2861
HEXOSAMINES: 727
HEXOSEDIPHOSPHATES: 702
HEXOSYLTRANSFERASES: 3255, 4108
HIGHER NERVOUS ACTIVITY: 123
HINDLIMB: 327, 798, 2391, 2559
HIP FRACTURES: 2523
HIP JOINT: 126
HIPPOCAMPUS: 259–260, 787, 792, 1482, 1702, 1829, 2038–2040, 2442, 2461, 2682, 2848, 2884, 3028, 3056, 3291, 3423, 3482, 3598, 3746, 3793, 3830, 3900, 3997, 4232, 4290, 4378, 4404
HIPPURATES: 1494
HIRSUTISM: 834, 944, 1638
HIRUDIN: 3519
HISTAMINE: 62, 188, 282, 421, 516, 585, 951, 977, 1006, 1100, 1147, 1543, 1805, 1908, 1910, 2030, 2100, 2139, 2345, 2469, 2499, 2539, 2884, 2982, 3200, 3541, 3705, 3746, 3856, 3903, 3953, 3977, 4091, 4187
HISTAMINE H1 RECEPTOR BLOCKADERS : 1504, 1805, 2884, 3765, 3786
HISTAMINE H2 RECEPTOR BLOCKADERS : 1805, 2884
HISTAMINE LIBERATION: 299, 1805, 3433
HISTIDINE: 1437, 1546, 4063, 4151
HISTIDINE DECARBOXYLASE: 323, 3988
HISTIOCYTOMA: 1955
HISTIOCYTOSIS X: 528, 3887
HISTOCOMPATIBILITY ANTIGENS: 2617, 2795, 2823, 4119
HISTOCYTOCHEMISTRY: 69, 453, 522, 551, 573, 619, 755, 821, 849, 965, 1194, 1320, 1520, 1595, 1608, 1690, 1844, 2038–2039, 2050, 2054, 2075–2076, 2187, 2282, 2428, 2529, 2544, 2695, 2706, 2885, 2921, 2929, 2977, 2995, 3038, 3175, 3322, 3370–3371, 3399, 3532, 3555, 3578, 3649, 3656, 3820, 3881, 3938, 3987, 4012, 4297, 4364
HISTOLOGICAL TECHNICS: 2189, 2316, 2557, 2628, 3963, 4131, 4203
HISTONE KINASE: 422, 559, 616, 1887, 2944, 3423, 3619, 3998
HISTONES: 422, 2120, 2203, 3012, 3075, 3726
HISTORY OF MEDICINE, ANCIENT: 1960, 3329, 3972
HISTORY OF MEDICINE, 18TH CENT.: 2095, 2926
HISTORY OF MEDICINE, 19TH CENT.: 1327, 2526, 2926, 2980
HISTORY OF MEDICINE, 20TH CENT.: 270, 846, 1001, 1228, 1327, 1346, 1569, 1661, 2005, 2222, 2526, 2545, 2842, 2905, 2926, 2980, 3014, 3329, 4421, 4446
HL-A ANTIGENS: 247, 436, 546, 1032, 1762, 2131, 2394, 2653, 2964, 4314
HODGKIN'S DISEASE: 440, 1414, 1675, 2064, 2091, 2200, 2653, 2721, 2771, 3854, 4260, 4376
HOE 33258: 1235
HOMEOSTASIS: 218, 700, 733, 1363, 2008, 2755, 2935, 3223, 3225, 4059
HOMICIDE: 77
HOMOCYSTEINE: 629, 3333, 4380
HOMOCYSTINURIA: 2195
HOMOSEXUALITY: 1393
HOMOVANILLIC ACID: 181, 655, 772, 871, 1562, 2393, 2775, 3236
HOMOZYGOTE: 161, 2101, 3085
HORMONE ANTAGONISTS: 1790
HORMONES: 12, 78, 101, 150, 218, 221, 351, 426, 437, 515, 538, 566, 572, 583, 607, 762, 785, 990, 998, 1148, 1237, 1327, 1389, 1433, 1689, 1850, 1853, 1873, 1877, 1882, 1929, 1987, 2006, 2043, 2160, 2202, 2225, 2466, 2496, 2543, 2549, 2587, 2656, 2743, 2817, 2928, 2935–2936, 3013, 3020, 3079, 3097, 3124, 3133, 3173, 3213, 3261, 3266, 3302, 3615, 3650, 3739, 3877, 3882, 3939–3940, 3954, 4029, 4037, 4053, 4059, 4074, 4226, 4249, 4428
HORMONES, ECTOPIC: 64, 298, 1585, 1869, 1932, 2665, 4248
HORMONES, SYNTHETIC: 217, 428, 1242, 1426, 1687, 3388, 4028
HORNS: 470
HORSE DISEASES: 86, 459
HORSERADISH PEROXIDASE: 56, 177, 1468, 1711, 2038, 2133, 2601, 3482, 3970, 4011
HORSES: 86, 459, 978, 1212, 2776, 3698, 4114, 4189, 4222, 4292
HORSESHOE CRABS: 1310
HOSPITAL BED CAPACITY, 500 AND OVER: 2912
HOSPITAL DEPARTMENTS: 2023
HOSPITALIZATION: 3282
HOSPITALS, GENERAL: 2714
HOSPITALS, SPECIAL: 2714
HOUSING, ANIMAL: 426, 4083
HUMERUS: 1500, 4093, 4239
HUNGER: 2082
HYALINE MEMBRANE DISEASE: 2045
HYALURONIC ACID: 4006, 4315
HYALURONIDASE: 204
HYBRID CELLS: 172, 2281, 3714
HYBRIDIZATION: 150, 1877, 4153, 4309
HYDANTOINS: 3736
HYDATIDIFORM MOLE: 518, 603, 623, 660, 914, 3294, 3414, 3496, 3624, 3689, 3769, 3835
HYDRALAZINE: 536, 1072, 2118, 3839
HYDRAMNIOS: 3414
HYDRAZINES: 2235, 3924, 4044
HYDROCARBONS, CHLORINATED: 491
HYDROCARBONS, FLUORINATED: 761
HYDROCEPHALUS: 991, 1413, 1743, 3414
HYDROCHLORIC ACID: 2063, 2931
HYDROCHLOROTHIAZIDE: 70, 1645, 2072, 2117, 2149, 2355, 3364, 3965
HYDROCORTISONE: 55, 105, 107, 136, 148, 200, 208, 346, 471, 511, 513, 566, 622, 625, 645, 650, 733, 738–739, 761, 800, 810, 862, 875, 887, 902, 959, 980, 987, 990, 1024, 1037, 1047, 1085, 1087, 1114, 1123, 1126, 1128, 1174, 1278, 1280, 1287, 1317, 1340, 1344, 1391, 1476, 1516, 1600, 1603–1604, 1612, 1680, 1730, 1763, 1771, 1803, 1822, 1831, 1845, 1864, 1874, 1941, 2044, 2051, 2063, 2083, 2143, 2191, 2212, 2218, 2318, 2323, 2332, 2354, 2385, 2508, 2513, 2576, 2614, 2618, 2746, 2765, 2774, 2779, 2864, 2895, 2934, 2944, 3017, 3032, 3077, 3090, 3157, 3164, 3212, 3237, 3258, 3312, 3331, 3345, 3368, 3388, 3396–3397, 3413, 3450, 3455, 3494, 3502, 3548, 3562, 3602, 3629, 3698, 3713, 3720, 3764, 3779, 3825, 3833, 3844, 3869, 3897, 3930, 3945, 4016, 4020, 4042, 4061, 4095, 4099, 4101, 4106–4107, 4132, 4159, 4192, 4194, 4264, 4291, 4308, 4315, 4345
HYDROCORTISONE, TOPICAL: 303, 346, 464, 1534, 2368, 3134, 3210
HYDROGEN: 2308, 3757, 4234
HYDROGEN BONDING: 1296
HYDROGEN-ION CONCENTRATION: 130, 168, 231, 235, 249, 408, 539, 607, 724, 820, 825, 897, 1573, 1577, 1658, 1660, 1695, 1699, 1906, 1975, 2142, 2156, 2221, 2264, 2302, 2308, 2331, 2345, 2448, 2561, 2744, 2760, 2855, 2931, 3040, 3219, 3475–3476, 3495, 3516, 3712, 3853, 3990, 4071, 4112, 4142–4143, 4234, 4243, 4282, 4317, 4339, 4347
HYDROGEN PEROXIDE: 3071, 3578
HYDROLASES: 391, 575, 3201, 3333
HYDROLYSIS: 1307, 1875, 2063, 2284, 3129, 3333
HYDRONEPHROSIS: 2180, 2612, 3606, 3986
HYDROPHTHALMOS: 3214
HYDROQUINONES: 1428
HYDROSTATIC PRESSURE: 1149
HYDROXIDES: 3572
HYDROXYAPATITES: 1113, 2575
HYDROXYBENZOIC ACIDS: 1288
HYDROXYBUTYRATES: 417, 3230, 3738
25-HYDROXYCHOLECALCIFEROL-1-HY: 170
HYDROXYCHOLECALCIFEROLS: 210, 571, 626, 647, 736, 943, 948, 1016, 1109, 1212, 1510, 1591, 1987, 2017, 2246, 2249, 2371, 2373–2375, 2419, 2491, 2663, 2829, 3019, 3091, 3099, 3109, 3162, 3460, 3540, 3581, 3686, 3808, 3842, 3876, 3983, 4182, 4355, 4438, 4450
HYDROXYCHOLESTEROLS: 927, 2460
11-HYDROXYCORTICOSTEROIDS: 1134, 1277, 2265, 3032, 3107, 3145, 3886
17-HYDROXYCORTICOSTEROIDS: 764, 833, 862, 1317, 1475, 2273, 2318, 2513, 2992, 3157, 3172, 4060, 4092, 4311
18-HYDROXYCORTICOSTERONE: 677, 1383
18-HYDROXYDESOXYCORTICOSTERON: 677, 1383, 3565
HYDROXYDIONE: 3738
HYDROXYDOPAMINE: 46, 567, 613, 1221, 1478, 1568, 2233, 2461, 3400, 4085, 4110
HYDROXYINDOLEACETIC ACID: 176, 181, 199, 374, 407, 414, 482, 667, 772, 871, 1161, 1202, 1824–1825, 2775, 3207, 3236, 3291, 3549, 3697, 3710
HYDROXYLASES: 1762, 3219, 4314
HYDROXYLATION: 106, 135, 509, 574, 2073, 2182, 2195, 2234, 2371, 3353, 3842
HYDROXYLYSINE: 905, 3729
HYDROXYMETHYLGLUTARYL COA REDUCTASES: 555, 1770, 3074
HYDROXYPREGNENOLONE: 1280, 1317, 2354, 2513
HYDROXYPROGESTERONES: 859, 1280,

1317, 1445–1446, 2354, 2983, 3353, 3451, 4127
HYDROXYPROLINE: 300, 579, 720, 727, 822, 1155, 1785, 2175, 2532, 2793, 2873, 2875, 3205, 3240, 4108
HYDROXYPROSTAGLANDIN DEHYDROGENASES: 2821, 2978
HYDROXYSTEROID DEHYDROGENASES: 2265, 3974, 4276
3-HYDROXYSTEROID DEHYDROGENASES: 341, 1705, 2106, 2695, 3370–3371, 3649, 4024
17-HYDROXYSTEROID DEHYDROGENASES: 2142, 3371, 3649, 4077
20-HYDROXYSTEROID DEHYDROGENASES: 2282, 3649
HYDROXYTRYPTOPHAN: 166, 176, 540, 1419, 1714, 1823, 2236–2237, 3143, 3688, 3819, 3953
HYDROXYTRYPTOPHOL: 176
HYMENOLEPIASIS: 684, 1682
HYMENOLEPIS: 684, 1682
HYPERALDOSTERONISM: 100, 365, 677, 856, 1017, 1515, 1537, 1552, 1632, 1757, 1832, 2012, 2071, 2615, 3000, 3043, 3610, 3870
HYPERBARIC OXYGENATION: 3032
HYPERBILIRUBINEMIA: 1741, 3083
HYPERCALCEMIA: 8, 342, 459, 548, 689, 961, 1115, 1418, 1561, 2259, 2551, 2609, 2665, 2673, 2751, 2962, 3057, 3247, 3268, 3399, 3440, 3713, 3815, 4193, 4248, 4394
HYPERCAPNIA: 2045, 3326
HYPERCHOLESTEREMIA: 2456, 2542
HYPEREMIA: 1036
HYPERGLYCEMIA: 959, 2095, 2230, 3158, 4002, 4295
HYPERKALEMIA: 427, 4445
HYPERKINESIS: 785, 1614
HYPERLIPEMIA: 283, 696, 745, 2072, 3897–3898, 4037
HYPERNATREMIA: 1926, 2205
HYPERPARATHYROIDISM: 8, 184, 186, 292, 342, 548, 659, 794, 863, 949, 1115, 1418, 2175, 2489, 2551, 2665, 2673, 2686, 2789, 2904, 3043, 3057, 3087, 3183, 3219, 3247, 3320, 3440, 3534, 3536, 3725, 3756, 3935, 4247, 4393
HYPERPARATHYROIDISM, SECONDARY: 95, 186, 659, 1130, 1250, 1418, 1916, 2560, 2673, 2904, 3428, 3440, 3756, 3908
HYPERPLASIA: 348, 796, 862–863, 1110, 1318, 1338, 1515, 1672, 1863, 2947, 2977, 3076, 3216, 3409, 3440, 3473, 3610, 3666, 3725, 3845, 3956, 4144, 4393
HYPERSENSITIVITY: 2170, 2653, 3464, 3827, 3955
HYPERSENSITIVITY, DELAYED: 373, 393, 1650, 2471, 2815, 2886, 4344
HYPERSENSITIVITY, IMMEDIATE: 373, 3903
HYPERSOMNIA: 2854
HYPERTELORISM: 1371, 2596
HYPERTENSION: 7, 36, 40, 47, 70, 109, 130, 291, 318–319, 332, 338, 347, 389, 481, 486–487, 545, 567, 589, 617, 677, 734–735, 782, 804–805, 817, 825, 831, 836, 839, 955, 1011–1013, 1022, 1055, 1057, 1072, 1084–1085, 1097, 1116, 1122, 1205, 1229, 1231, 1267, 1461, 1549, 1560, 1610, 1629, 1646, 1677, 1679, 1757, 1765, 1837, 1871, 2021, 2071–2072, 2118, 2130, 2139, 2188, 2202, 2255, 2292, 2310, 2325, 2335, 2344, 2355, 2435, 2438, 2451, 2495, 2572, 2597–2598, 2615, 2620, 2626, 2641, 2664, 2675, 2678, 2697, 2742, 2810, 2813, 2816, 2863, 2879, 2894, 2935, 2966, 2999, 3059–3060, 3115, 3152, 3180, 3184, 3227, 3238, 3275, 3355, 3364, 3398, 3473, 3501, 3509, 3542, 3631, 3642, 3681, 3683, 3845–3846, 3850, 3870, 3890, 4014, 4037, 4089, 4148, 4165, 4178, 4211, 4223, 4269, 4286, 4296, 4325, 4358, 4414, 4416
HYPERTENSION, MALIGNANT: 2597, 3065, 4196
HYPERTENSION, PORTAL: 1017
HYPERTENSION, PULMONARY: 1910, 3475
HYPERTENSION, RENAL: 108, 536, 567, 776, 824–825, 851, 963, 1011, 1258, 1494, 1632, 1732, 1769, 2285, 2331, 2495, 2598, 3027, 3059, 3095, 3505, 3721, 3885, 4280
HYPERTENSION, RENOVASCULAR: 108–109, 481, 536, 776, 824–825, 963, 1003, 1732, 1837, 2331, 2495, 3095, 3885, 4165, 4211, 4358
HYPERTHYROIDISM: 3, 12, 71, 131–132, 256, 293, 357, 431, 474, 506, 620, 638, 647, 704, 811, 840, 909, 958, 1040, 1255, 1290, 1404, 1430, 1434, 1458, 1483, 1485, 1540, 1592, 1622, 1703, 1809, 1842, 1855, 2016, 2074, 2121, 2231, 2239, 2241, 2272, 2405, 2500, 2534, 2551, 2754, 2763, 2832, 2839, 2882, 2926, 2955, 2971, 3043, 3052, 3090, 3130, 3159, 3174, 3234, 3296, 3298, 3430, 3441, 3651–3652, 3661–3662, 3722, 3759–3760, 3796, 3884, 4027, 4051, 4175, 4181, 4202, 4236, 4300–4301, 4307, 4396, 4424, 4434
HYPERTONIC SOLUTIONS: 416
HYPERTROPHY: 64, 186, 327–328, 423, 992, 1221, 1418, 2980, 3294, 3416, 3666, 3732, 3790, 3798
HYPNOTICS AND SEDATIVES: 1069, 3148, 4428
HYPOBETALIPOPROTEINEMIA: 283
HYPOCALCEMIA: 242, 342, 392, 1130, 1443, 1591, 1598, 1982, 2491, 2560, 2587, 2673, 2755, 3756, 3908, 4270, 4419
HYPODERMYIASIS: 86
HYPOGLOSSAL NERVE: 177, 2192
HYPOGLYCEMIA: 41, 178, 444, 624, 645, 903, 1213, 1677, 1865, 2230, 2576, 2581, 2591, 2614, 3149, 3494
HYPOGLYCEMIC AGENTS: 770
HYPOGONADISM: 2046–2047, 2746, 3276, 3483, 3650, 3907, 4065, 4100, 4281, 4442
HYPOKALEMIA: 365, 1549, 2615, 3268
HYPONATREMIA: 581, 1102, 2197, 2205, 3199, 3484, 4265, 4445
HYPOPARATHYROIDISM: 116, 392, 1038, 1443, 1913, 2374, 2379, 2491, 2686, 2843, 3983, 4270
HYPOPHARYNX: 1443
HYPOPHOSPHATASIA: 20
HYPOPHOSPHATEMIA, FAMILIAL: 2755
HYPOPHYSECTOMY: 25, 43, 537, 566, 591, 624, 629, 711, 922, 1070, 1542, 1612, 1630, 1764, 1885, 1994, 2032, 2088, 2090, 2279, 2330, 2388, 2559, 2585–2586, 2897, 2899, 2913, 2958, 3086, 3097, 3317, 3437, 3449, 3685, 3734, 3775, 3790, 3832, 3843, 3971, 4018, 4032, 4116, 4151, 4184, 4311
HYPOPITUITARISM: 12, 195, 272, 370, 591, 903, 985, 1574, 1865, 2196, 3084, 3157, 3976
HYPOPROTEINEMIA: 2386
HYPOSPADIAS: 743, 1079, 1107, 1279, 1777, 1942, 1972
HYPOTENSION: 376, 557, 1355, 2796
HYPOTENSION, ORTHOSTATIC: 771, 2620, 3141
HYPOTHALAMIC HORMONES: 2098
HYPOTHALAMO-HYPOPHYSEAL SYSTEM: 56, 274, 279, 286, 370, 438, 636, 693, 710, 762, 800, 852, 962, 1029, 1176, 1238, 1364, 1476, 1522, 1690, 1743, 1752, 1893, 2031, 2058, 2107, 2143, 2230, 2280, 2399, 2725, 2735, 2907, 3007, 3287, 3299, 3307, 3318, 3474, 3528, 3681, 3724, 3971
HYPOTHALAMUS: 6, 14, 38–39, 42, 54, 56, 59–61, 67–68, 114, 123, 177, 192, 237, 245, 251, 266, 280, 317, 323, 344, 367, 535, 556, 569, 585, 592, 606, 631, 637, 673, 705, 748–749, 759, 768, 784, 817, 824, 939–940, 942, 954, 968, 990, 1033, 1068, 1077, 1081, 1127, 1185–1186, 1202, 1268, 1303, 1345, 1363–1364, 1393, 1396, 1434, 1452, 1554, 1578–1579, 1634, 1688, 1711, 1792, 1817, 1823–1825, 1829, 1834, 1886, 1921, 1959, 1989, 2002, 2029, 2038–2040, 2052, 2054–2055, 2082, 2101, 2133, 2140, 2174, 2187, 2238, 2280, 2333, 2364, 2376–2377, 2395, 2406, 2455, 2461, 2477, 2508, 2544, 2568, 2613, 2636, 2730, 2783, 2833, 2848, 2943, 3003, 3048, 3070, 3160, 3202, 3211, 3235, 3286, 3291–3292, 3351, 3372–3373, 3400–3401, 3482, 3498, 3533, 3552, 3555, 3567, 3622, 3634, 3642, 3650, 3656, 3683, 3695, 3730, 3768, 3784, 3787, 3793, 3822, 3840, 3847, 3887, 3996–3997, 4000, 4032, 4043, 4072, 4213–4214, 4232, 4240, 4352, 4354, 4363, 4378, 4404
HYPOTHALAMUS, ANTERIOR: 280, 714, 939, 2544, 2848, 3372
HYPOTHALAMUS, MEDIAL: 38, 42, 67, 237, 759, 939, 1077, 1579, 1688, 1886, 2002, 2052, 2333, 2376, 2395, 2406, 3211, 3292, 3372, 3552, 3567, 3784, 4000
HYPOTHALAMUS, POSTERIOR: 631, 942, 2544, 3235
HYPOTHERMIA: 2276, 3069, 3245
HYPOTHERMIA, INDUCED: 359
HYPOTHYROIDISM: 12, 48, 126, 132, 189, 293, 345, 420, 423, 582, 620, 641, 718, 745, 773, 777, 958, 1029, 1035, 1042, 1051, 1102, 1255, 1284, 1290, 1485, 1606, 1628, 1703, 1717, 1842, 1865, 1949, 2016, 2028, 2031, 2074, 2173, 2327, 2405, 2521, 2553, 2623, 2721, 2882, 3072, 3150, 3159, 3206, 3430, 3487, 3531, 3640, 3717, 3722, 3735, 3759, 4002, 4039, 4181, 4396, 4435
HYPOTONIC SOLUTIONS: 1818
HYPOXANTHINES: 2807
HYSTERECTOMY: 281, 518, 1620–1621, 1798, 2178, 2400, 2529, 2713, 2900, 3510, 3624, 3646, 3758
HYSTERECTOMY, VAGINAL: 1712
HYSTERIA: 3929
HYSTEROSALPINGOGRAPHY: 830, 2125, 2421, 3960

I

IATROGENIC DISEASE: 1332, 2708, 3236
IBUPROFEN: 494, 1802
IDENTIFICATION (PSYCHOLOGY): 1172, 3080
IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS: 379, 1807
IGA: 2116, 2814, 2997, 3592, 3594, 4264
IGA, SECRETORY: 2116
IGE: 1534, 1831
IGG: 24, 262, 456, 671, 757, 1086, 1244, 2018, 2315, 2360, 2463, 2538, 2814, 3361, 3594, 3712, 3821, 3927, 3992, 4013, 4264
IGM: 24, 289, 456, 467, 1748, 2814, 3415, 3508, 3594
ILEUM: 610, 698, 925–926, 984, 1100, 1113, 1188, 1815, 2719, 2891, 3411–3412, 3686, 3863, 4285
ILIUM: 579, 1318, 3459, 4005, 4093
IMIDAZOLES: 316, 323, 1298, 1615, 1747, 1849, 2085, 2368, 2740, 2931, 3417, 3871
IMIDES: 2805
IMINES: 3588
IMIPRAMINE: 355, 1740, 1765, 1825
IMMERSION: 3237, 4388
IMMOBILIZATION: 201, 317, 661, 1280, 1348, 1368, 1455, 3103, 3683, 4168
IMMUNE ADHERENCE REACTION: 1087
IMMUNE COMPLEX DISEASE: 3592
IMMUNE SERUMS: 187, 326, 1206, 1397, 1408, 2219, 2282, 2315, 2473, 2598, 2790, 4075
IMMUNE TOLERANCE: 1857, 2916, 3764
IMMUNITY: 2021, 2043, 3168, 3644, 4159, 4410
IMMUNITY, CELLULAR: 116, 393, 826, 1336, 1831, 1940, 4025, 4380
IMMUNITY, PASSIVE: 2282
IMMUNIZATION: 112, 1005, 1206, 2815, 3695, 4075
IMMUNOASSAY: 337, 2607, 3448
IMMUNOBLASTIC LYMPHADENOPATHY: 1086, 1623, 2062, 2710, 3865
IMMUNOCHEMISTRY: 344, 2055–2056
IMMUNOELECTROPHORESIS: 132, 262, 623, 2577, 3826
IMMUNOELECTROPHORESIS, TWO-DIMENSIONAL: 302
IMMUNOENZYME TECHNICS: 264, 637, 1344, 1353, 1554, 1639, 2256, 2315, 2577, 2856, 3175, 3656, 4011, 4164, 4395
IMMUNOGENETICS: 2795, 2823
IMMUNOGLOBULINS: 1169, 2270, 2543, 2795, 2814, 2955, 3280, 3408, 4105, 4121, 4242
IMMUNOGLOBULINS, FAB: 671, 3361
IMMUNOGLOBULINS, FC: 2, 671, 1244, 3595
IMMUNOGLOBULINS, KAPPA CHAIN: 2997
IMMUNOGLOBULINS, SURFACE: 2, 1244, 1472, 3594–3595, 3644
IMMUNOLOGIC DEFICIENCY SYNDROMES: 116, 124, 826, 2162, 2270, 2446, 2780, 3559
IMMUNOLOGIC DISEASES: 4167
IMMUNOLOGIC TECHNICS: 264, 430, 671, 2054, 2921, 3203, 3415, 3835, 4283
IMMUNOSORBENTS: 576
IMMUNOSUPPRESSION: 368, 618, 1208, 2136, 2334, 3217, 3644, 4211, 4245
IMMUNOSUPPRESSIVE AGENTS: 102, 658, 1008, 1117, 1232, 1449, 1961, 2341, 2386, 2509, 2751, 2836, 3706, 3786
IMMUNOTHERAPY: 359, 1069, 1142, 1967, 3133
IMPOTENCE: 737, 766, 996, 1034, 1883, 3018, 4400, 4442
INAPPROPRIATE ADH SYNDROME: 581, 1452, 2197, 2426, 3199, 3484, 3823, 3865, 4265

INBREEDING: 3641
INCISOR: 2154, 4207, 4329–4330
INCLUSION BODIES, VIRAL: 2723
INDANS: 1936
INDENES: 1936
INDIANS, NORTH AMERICAN: 2959
INDIANS, SOUTH AMERICAN: 3728, 4065–4066
INDICATORS AND REAGENTS: 777, 860, 930, 1162
INDIVIDUALITY: 3667
INDIVIDUATION: 690, 2555, 4180
INDOLEACETIC ACIDS: 3697
INDOLES: 176, 977, 1161, 1824, 2174, 2652, 3555
INDOMETHACIN: 7, 62, 350, 391, 494, 511, 557, 562, 760, 823, 828, 877, 933, 1099, 1141, 1214, 1220, 1402, 1527, 1559–1560, 1832, 1843, 1849, 1908, 2260, 2292, 2319, 2355, 2582, 2604, 2666, 2796, 2803, 2825, 2931, 3309, 3361, 3371, 3489, 3592, 3617, 3672, 3833, 3988, 4115, 4120, 4222, 4315, 4322, 4325
INDOPROFEN: 3766
INDUSTRY: 1929
INFANT: 12, 20, 50, 124, 129, 132, 182, 242, 262, 265, 272, 335, 346, 352, 359, 392, 420, 474, 560, 581, 644, 667, 686, 728, 741, 745, 781, 796, 936, 958, 985, 991, 1004, 1026, 1098, 1138, 1141, 1213, 1227, 1234, 1339, 1376, 1453, 1522, 1534, 1563, 1565, 1588, 1602, 1626, 1644, 1777, 1822, 1831–1832, 1942, 1955, 2000, 2020, 2022, 2057, 2145, 2159, 2162, 2164, 2176, 2269, 2327, 2368, 2386, 2436, 2459, 2516, 2526, 2563, 2596, 2641, 2672, 2702, 2781, 2804, 2843, 2900, 2924, 2956, 2959, 2981, 2983, 3085, 3161, 3166, 3194, 3204, 3213–3214, 3243, 3267, 3289, 3297, 3307, 3359, 3407, 3535, 3560, 3585, 3608, 3645, 3667, 3756, 3772, 3845, 3919, 3933, 3954–3955, 3961, 4127, 4130, 4166, 4205, 4228, 4246, 4262, 4356, 4371, 4383, 4428
INFANT CARE: 686
INFANT FOOD: 2550
INFANT, LOW BIRTH WEIGHT: 335
INFANT MORTALITY: 296, 1002, 1170, 2556, 2675, 3585
INFANT, NEWBORN: 12, 22, 41, 50, 74, 83, 124, 132, 160, 182, 214, 242, 249, 265, 272, 283, 335, 348, 383, 404, 420, 473, 478, 483, 497, 519, 546, 591, 653, 686, 728, 745, 773, 781, 876, 894, 903, 985, 1035, 1044, 1083, 1098, 1141, 1151–1152, 1170, 1297, 1398, 1551, 1602, 1605, 1626, 1644, 1710, 1712, 1727, 1741, 1777, 1832, 1864–1865, 1942, 1955, 1983, 2000, 2020, 2022, 2045, 2099, 2148, 2327, 2341, 2350, 2380, 2386, 2459, 2516, 2527, 2554, 2556, 2576, 2581, 2596, 2675, 2781, 2797, 2804, 2814, 2900, 2924, 2959, 2981, 3046, 3077, 3085, 3148, 3161, 3213, 3234, 3251, 3259, 3267, 3289, 3307, 3330, 3414, 3499, 3535, 3585, 3674, 3687, 3698, 3732, 3756, 3828, 3844–3845, 3961, 3979, 4050, 4113, 4130, 4197–4198, 4246, 4262, 4285, 4323, 4371, 4399, 4440, 4445
INFANT, NEWBORN, DISEASES: 335, 903, 1712, 1741, 2576, 2797, 3756, 4050, 4113, 4228, 4399, 4445
INFANT NUTRITION: 3289
INFANT NUTRITION DISORDERS: 4383
INFANT, POSTMATURE: 3259
INFANT, PREMATURE: 265, 383, 1710, 2527, 3289, 3330, 3499
INFANT, PREMATURE, DISEASES: 1710
INFANT, SMALL FOR GESTATIONAL AGE : 1605, 2797, 3259
INFARCTION: 220, 2675
INFECTION: 644, 737, 1257, 3955
INFECTIOUS MONONUCLEOSIS: 2668, 3415, 3657
INFLAMMATION: 348, 1089, 1099, 1472, 2100, 2195, 2314, 3035, 3175, 3281, 3417, 3476, 3701, 3915
INFLUENZA: 1712, 3044, 3145
INFORMED CONSENT: 3309, 4429
INFUSIONS, INTRA-ARTERIAL: 674, 1062, 1715, 2070, 2381
INFUSIONS, PARENTERAL: 674, 953, 960, 971, 997, 1128, 1426, 2253, 2285, 2344, 2415, 2556, 2946, 3339, 3544, 4106, 4321
INGUINAL HERNIA: 1098, 3277, 4042
INJECTIONS: 259–260, 1203, 1455, 1478, 2174, 2390, 2471, 3048, 3154, 3191, 3330, 3734, 3906
INJECTIONS, INTRA-ARTERIAL: 1470, 2479, 3200, 4258
INJECTIONS, INTRA-ARTICULAR: 1802, 2670, 3164, 4199
INJECTIONS, INTRADERMAL: 200, 1076, 2471
INJECTIONS, INTRAMUSCULAR: 622, 739, 1108, 1254, 1471, 1912, 1972, 1985, 2096, 3249, 3331, 3740, 3917
INJECTIONS, INTRAPERITONEAL: 1496, 1562, 2595, 3034, 3485, 3562
INJECTIONS, INTRATHECAL: 1216, 2463
INJECTIONS, INTRAVENOUS: 200, 219, 501, 503, 674, 739, 891, 960, 1285, 1426, 1455, 1470, 1619, 1674, 2003, 2277, 2479, 2552, 3200, 3331, 3593, 3708, 3815, 3869, 3899, 4147
INJECTIONS, INTRAVENTRICULAR: 6, 701, 1508, 1562, 1775, 2097, 2388, 2598, 2996, 3186, 3273, 3310, 3400, 3593, 3653, 4069, 4082, 4362
INJECTIONS, SUBCUTANEOUS: 110, 200, 1427, 2559, 3383, 3734
INOSINE: 3341
INOSINE CYCLIC-3',5'-MONOPHOSPHATE: 1953
INOSINE MONOPHOSPHATE: 3341
INOSINE NUCLEOTIDES: 3341
INSECT CONTROL: 86
INSECT HORMONES: 2443
INSECTICIDES: 1218, 4322
INSECTICIDES, CARBAMATE: 713
INSECTICIDES, ORGANOCHLORINE: 372, 642, 1253, 3189
INSECTICIDES, ORGANOTHIOPHOSPHATE: 86, 713
INSECTS: 803, 2021
INSEMINATION, ARTIFICIAL: 508, 3128, 4346
INSEMINATION, ARTIFICIAL, HETEROLOGOUS: 3128
INSULIN: 107, 136, 143, 150, 218, 229, 235, 241, 246, 331, 351, 405, 412, 437, 444, 458, 591, 624–625, 645, 782, 812, 862, 917, 953, 962, 971, 987, 1031, 1049, 1148, 1334, 1361, 1364, 1407, 1453, 1495, 1525, 1539, 1603, 1667, 1677, 1687, 1714, 1734, 1783, 1852, 1905, 1987, 2090, 2131, 2143, 2146, 2191, 2287, 2294, 2571, 2576, 2614, 2672, 2717, 2801, 2807, 2948, 2986, 3024, 3077, 3124, 3149, 3158, 3215, 3247, 3292, 3301, 3331, 3394, 3397, 3429, 3437, 3465, 3494, 3502, 3630, 3692, 3825, 3978, 4037, 4053, 4092, 4102, 4133, 4295, 4345, 4351, 4365, 4387
INSULIN RESISTANCE: 3158, 4053
INTELLIGENCE: 533, 728, 2822, 3676, 4268, 4371
INTERCELLULAR JUNCTIONS: 203, 1281, 2281, 2531, 3254
INTERFERON: 2212, 2224, 2824, 3455, 3667, 3779, 4315
INTERFERON INDUCERS: 2212
INTERMITTENT CLAUDICATION: 2204
INTERMITTENT POSITIVE PRESSURE VENTILATION: 148
INTERNAL-EXTERNAL CONTROL: 1514
INTERNATIONAL COOPERATION: 4414, 4422
INTERNEURONS: 1482
INTERPHASE: 1747
INTERTRIGO: 1963
INTERVERTEBRAL DISK: 129
INTERVIEW, PSYCHOLOGICAL: 1132, 3676
INTESTINAL ABSORPTION: 144, 242, 925, 1149, 1188, 1553, 1722, 1763, 1793, 1982, 2037, 2404, 2592, 2716, 2801, 2891, 2987, 4203, 4224, 4252, 4370
INTESTINAL DISEASES: 140
INTESTINAL MUCOSA: 72, 173, 806, 925, 948, 1064, 2425, 2814, 2978, 3175, 3399, 3553, 3587–3588, 3590, 3609, 3686, 4203, 4252
INTESTINAL NEOPLASMS: 740, 3726
INTESTINAL SECRETIONS: 3588
INTESTINE, LARGE: 2432
INTESTINE, SMALL: 173, 698, 1064, 1188, 1698, 2784, 2891, 2994, 3553, 3726, 4285
INTESTINES: 472, 685, 1038, 1467, 1875, 2425, 2564, 2739, 2954, 3514, 3669, 3876, 4252
INTRACELLULAR FLUID: 3060
INTRACELLULAR MEMBRANES: 724, 1385, 1397, 1532, 1613, 2184, 3040, 3495, 3770, 4232
INTRACRANIAL PRESSURE: 224, 991, 1234, 1721, 2774, 3288, 3738, 3926
INTRADERMAL TESTS: 2471
INTRALIPID: 1128
INTRAOCULAR PRESSURE: 394, 1237, 2001, 2336, 2734, 2931, 3277, 4120
INTRAUTERINE DEVICE EXPULSION: 3580
INTRAUTERINE DEVICES: 697, 1193, 1531, 2671, 3391, 3580
INTRAUTERINE DEVICES, COPPER: 49, 290, 1169, 3391
INTRAUTERINE DEVICES, MEDICATED: 1169, 2309, 2402
INTUBATION, INTRATRACHEAL: 1348, 1955
INULIN: 633
INVERSION (GENETICS): 2759
IODIDES: 932, 1192, 2550, 3046, 3147, 3201, 3571, 3853
IODINE: 35, 74, 125, 209, 657, 718, 728, 974, 1000, 1181, 1272, 1544, 1565, 1659, 1866, 2016, 2545, 2635, 2929, 2950, 3023, 3071, 3153, 3174, 3332, 3366, 3599, 3795, 3801, 3884, 3899, 4026, 4090, 4241, 4350
IODINE RADIOISOTOPES: 1, 13, 29, 48, 98, 180, 231, 671, 813, 1131, 1175, 1255, 1404, 1485, 1494, 1952, 2080, 2099, 2121, 2191, 2272, 2357, 2452, 2500, 2534, 2811, 2818, 2839, 2869, 2929, 3029, 3150, 3430, 3573, 3628, 3662, 3737, 3968, 4026, 4039, 4047, 4075, 4386
IODIZED OILS: 3707
IODOACETAMIDE: 943
IODOACETATES: 3147
IODOCHLORHYDROXYQUIN: 2385
19-IODOCHOLESTEROL: 3628
IODOPHORS: 3801
IODOPROTEINS: 2500, 3597, 3737
IODOPYRACET: 458
IODOTYROSINE: 700, 777
ION CHANNELS: 94, 226, 938, 1917, 2151, 2206, 2281, 2358, 2871, 3761
ION EXCHANGE RESINS: 576
IONS: 422, 897, 1064, 2378, 3123
IONTOPHORESIS: 1779, 3156, 3386
IOPANOIC ACID: 1412
IPECAC: 3201
IPRONIAZID: 1191
IPROVERATRIL: 405, 605, 1523, 1583, 2157, 2649, 2662, 2760, 3187–3188, 3247, 3545, 3733, 4367
IRIDOCYCLITIS: 1571, 2471, 2653
IRIS: 316, 1849
IRITIS: 1571
IRON: 53, 119, 441, 940, 1056, 1091, 1188, 1442, 1531, 1548, 2069, 2559, 2592, 3324, 3741, 3753, 4123
IRON-SULFUR PROTEINS: 1681
IRRIGATION: 1912, 3270, 3290, 3599
ISCHEMIA: 1890, 2784, 3027
ISLANDS OF LANGERHANS: 38, 405, 812, 917, 1334, 1353, 1495, 1667, 1687, 1713, 1852, 2131, 2157, 2294, 2319, 2672, 3253, 3938, 4037, 4365
ISLET CELL TUMOR: 3268, 3836
ISOANTIBODIES: 546
ISOANTIGENS: 1748, 2472
ISOCITRATE DEHYDROGENASE: 1190
ISOCITRATES: 375, 1209
ISOELECTRIC FOCUSING: 651, 680, 2018, 4290
ISOELECTRIC POINT: 1996
ISOENZYMES: 372, 454, 539, 559, 647, 810, 2015, 2242, 2401, 3067, 3348, 3526, 3826, 3852, 4092, 4273, 4347
ISOMERASES: 2812
ISOMERISM: 311, 1792, 1959, 2698, 3162, 4380
ISONIAZID: 2356
ISONICOTINIC ACIDS: 1509, 3282
ISOPROTERENOL: 113, 291, 334, 487, 613, 695, 760, 1062, 1129, 1323, 1438, 1525, 1550, 1745, 2068, 2167–2168, 2511, 2634, 2700, 2734, 2787, 2852, 2913, 3100, 3110, 3411, 3593, 3727, 3770, 3922
ISOQUINOLINES: 2961
ISOSORBIDE DINITRATE: 605
ISOTONIC SOLUTIONS: 1839
ISOTOPE LABELING: 98, 1131, 1836, 2936, 3116, 3737, 4026, 4047
ISOXAZOLES: 731
ISOXSUPRINE: 1020

J

JAUNDICE: 174, 2642, 3534, 3864
JAUNDICE, NEONATAL: 383, 903, 1864, 3687
JAW: 2878
JAW DISEASES: 2295
JAW NEOPLASMS: 1920
JAW RELATION RECORD: 3452
JEJUNUM: 806, 1188, 1789, 4055, 4147, 4285
JEWS: 3407
JOINT DISEASES: 884, 1124, 2339, 4168
JOINTS: 798
JUGULAR VEINS: 1470, 3402
JURISPRUDENCE: 4429
JUXTAGLOMERULAR APPARATUS: 15, 1387, 1914, 1995, 2809, 3504, 3658, 3680, 4037

K

KAINIC ACID: 259–260
KALLIKREIN: 7, 148, 545, 1254, 1769, 3479, 3547, 4073
KALLIKREIN–TRYPSIN INACTIVATOR: 148
KANAMYCIN: 2860
KARYOKINESIS: 57
KARYOMETRY: 38, 483
KARYOTYPING: 505, 595, 707, 1151, 1233, 1814, 1927, 1942, 2208, 2262, 2278, 2399, 2570, 2759, 2845, 2888, 2932, 3140, 3142, 3197, 3343, 3520, 3558, 3596, 3773
KELL BLOOD-GROUP SYSTEM: 2444
KELOID: 558
KEPONE: 3189
KERATAN SULFATE: 1595
KERATITIS, DENDRITIC: 3778–3779
KETAMINE: 661, 861, 1101, 2633, 3103, 3598
KETO ACIDS: 3590
KETOGLUTARIC ACIDS: 1209
KETONE BODIES: 3331, 3397, 3663
KETOPROFEN: 494
KETOSIS: 1930, 3397
KETOSIS, DIABETIC: 3215, 3331, 4133
17-KETOSTEROIDS: 442, 764, 862, 1511, 1840, 2273, 2529, 2983, 3645, 3749, 3868, 4320, 4356
KIDNEY: 18, 40–41, 73, 81–82, 102, 158, 170, 188, 210, 235, 247, 318–319, 333–334, 338, 365, 378, 404, 432, 445, 458, 514, 530, 545, 568, 618, 626, 755, 804, 821, 825, 828, 837, 839, 869, 877, 894, 913, 924, 967, 992, 1009, 1038, 1109, 1136, 1141, 1150, 1167, 1187, 1219–1220, 1329, 1366, 1387, 1418, 1474, 1481, 1494, 1502, 1550, 1559, 1600, 1610, 1630, 1685, 1698, 1783, 1837, 1875, 1881, 1894, 1896, 1914, 1944, 2001, 2080, 2134, 2205, 2240, 2243, 2253, 2269, 2290, 2315, 2339, 2341–2342, 2381, 2386, 2415, 2432, 2438, 2479, 2642, 2654, 2664, 2678, 2690, 2751, 2772, 2796, 2798, 2802, 2809, 2811, 2825, 2835, 2850, 2880, 2892, 2904, 2910–2911, 2933, 2954, 2980, 3027, 3051, 3063, 3113, 3118, 3122, 3167, 3175, 3183, 3326, 3376, 3416, 3457–3458, 3471, 3479, 3485, 3487, 3504–3505, 3546, 3626, 3666, 3669, 3672, 3719, 3766, 3790–3791, 3808, 3815, 3842, 3857, 3919, 3928, 3960, 3985, 4146–4148, 4150, 4153, 4182, 4211, 4223, 4235, 4238, 4294, 4299, 4316, 4321, 4333, 4379, 4388, 4394, 4433
KIDNEY, ARTIFICIAL: 3398
KIDNEY CALCULI: 552, 2274
KIDNEY CONCENTRATING ABILITY: 198, 1362, 1656, 3219
KIDNEY CORTEX: 322, 992, 1474, 2134, 2217, 2252, 2322, 2493, 2605, 3416, 3504, 3857
KIDNEY, CYSTIC: 73
KIDNEY DISEASES: 73, 140, 198, 365, 545, 650, 658, 660, 741, 745, 839, 1053, 1058, 1138, 1318, 1362, 1467, 1649, 1951, 2150, 2172, 2205, 2404, 2685, 2741, 3062, 3504, 3919, 4225
KIDNEY FAILURE, ACUTE: 322, 342, 1057, 1796, 1956, 2551, 2598, 3027
KIDNEY FAILURE, CHRONIC: 459, 571, 576, 626, 700, 736, 744, 809, 821, 1056, 1136, 1138, 1150, 1250–1251, 1418, 1567, 1793, 1916, 2047, 2175, 2211, 2230, 2257, 2375, 2560, 2741, 2892, 2904, 3087, 3178, 3219, 3354, 3356, 3398, 3427, 3460, 4186
KIDNEY FUNCTION TESTS: 319, 633, 963, 2285, 2430
KIDNEY GLOMERULUS: 423, 837, 2030, 2315, 3592, 4121
KIDNEY MEDULLA: 992, 1474, 1560, 1656, 2134, 2342, 3487, 3504, 3839, 3857
KIDNEY NEOPLASMS: 73, 779, 818, 1140, 1276, 1318, 1967, 2155, 2244, 2363, 2665, 3484, 3608, 4148, 4193, 4394
KIDNEY, SPONGE: 552
KIDNEY TUBULAR NECROSIS, ACUTE: 1956
KIDNEY TUBULES: 633, 1526, 2205, 2342, 3099, 3113, 3219, 3467
KIDNEY TUBULES, COLLECTING: 837
KIDNEY TUBULES, DISTAL: 633, 1914, 4294
KIDNEY TUBULES, PROXIMAL: 186, 378, 423, 755, 837, 2149, 2197, 2217, 3399, 4294
KILLER CELLS: 733, 1812, 1896
KILLIFISH: 2898–2899
KINETICS: 33, 39, 72, 101, 103, 130, 145, 149, 153, 165, 168, 208, 219, 263, 310, 323, 358, 360, 375, 387, 390, 403, 408, 412, 466, 468, 475, 491, 499, 507, 514, 575, 584, 607, 645, 672, 699, 734, 766, 870, 872, 882, 889, 896, 925, 981, 993, 1031, 1045, 1108, 1120, 1131, 1137, 1146, 1196, 1258, 1300–1301, 1334, 1374, 1378, 1385, 1397, 1439, 1454, 1477, 1479, 1497, 1529, 1557, 1572–1573, 1584, 1601, 1617, 1641–1642, 1651, 1668, 1681, 1701, 1716, 1719, 1740, 1754, 1760, 1768, 1808, 1848, 1852, 1884, 1887, 1907, 1921, 1959, 1971, 1980, 2142, 2182, 2184, 2198, 2201, 2213, 2217, 2223, 2240, 2258, 2290, 2302, 2310, 2317, 2401, 2403, 2433, 2448, 2493, 2561, 2611, 2625, 2634, 2692, 2722, 2726, 2744, 2760, 2767, 2772, 2806, 2812, 2817, 2855, 2882, 3006–3007, 3017, 3024, 3026, 3060, 3064, 3074, 3138, 3218, 3228–3229, 3255, 3263, 3280, 3287, 3301, 3303, 3306, 3336, 3342, 3347–3348, 3368, 3412–3413, 3443–3444, 3466, 3481, 3530, 3570, 3603, 3605, 3611, 3619, 3691–3692, 3704, 3716, 3757, 3803, 3808, 3819, 3826, 3832, 3893, 3923, 3928, 3939, 3943, 3980, 4009, 4056, 4071, 4078, 4086–4087, 4112, 4122, 4128, 4146, 4151, 4212, 4243, 4277, 4293, 4312, 4333, 4339, 4347, 4353, 4375, 4378
KININASE I: 1059, 2264
KININASE II: 481, 2264, 2413, 3794
KININOGENS: 1059
KININS: 62, 545, 1254, 1629, 3479, 3547, 4073
KLEBSIELLA PNEUMONIAE: 4327
KLINEFELTER'S SYNDROME: 384, 469, 1993, 2025–2027, 2399, 2459, 2677, 2777, 2792, 2888, 3315, 3639, 3650, 3676, 4281
KNEE: 303, 1919, 2959
KNEE INJURIES: 1919, 3164
KNEE JOINT: 884, 2183, 2339, 2670, 3164
KORSAKOFF'S SYNDROME: 3056
KRAUROSIS VULVAE: 1800, 1863
KREBS CYCLE: 4095
KUPFFER CELLS: 1877
KWASHIORKOR: 2593
KYPHOSIS: 1124

L

L CELLS: 2806, 2824, 3075
LABETALOL: 347, 1012, 1978, 2344, 3501
LABOR: 480, 566, 679, 686, 763, 998, 1857, 2332, 2578, 2709, 3463, 3674, 3881–3882, 4197
LABOR COMPLICATIONS: 296, 841, 1170, 1964, 2858, 4282, 4399
LABOR, INDUCED: 240, 249, 679, 702, 2227, 2361, 2556, 2858, 2906, 3009, 3025
LABOR ONSET: 998, 1857, 2332
LABOR, PREMATURE: 893, 1355, 1727, 2439–2440, 2578, 3614, 4408
LABOR PRESENTATION: 296
LABOR STAGE, THIRD: 3674
LABORATORIES: 2912
LABYRINTH DISEASES: 656
LACQUER: 1693
LACRIMAL APPARATUS: 3550
LACTALBUMIN: 3102
LACTATE DEHYDROGENASE: 453, 1249, 1325, 1430, 2075, 2642, 3958, 4092, 4373
LACTATE DEHYDROGENASE ISOENZYMES: 1309, 3067, 4092
LACTATES: 163, 444, 484, 943, 1530, 1839, 2382, 2441, 4092
LACTATION: 76, 86, 163, 229, 241, 312–313, 331, 354, 417–418, 475, 478, 592, 608, 654, 686, 831, 895, 910, 1054, 1090, 1094, 1145, 1226, 1295, 1311–1312, 1395, 1432, 1456, 1538, 1578, 1603–1604, 1756, 1930, 1938, 1976, 1990, 2116, 2185–2186, 2209, 2287, 2431, 2434, 2437, 2496, 2516, 2581, 2592, 2624, 2750, 2814, 2985, 3055, 3102, 3146, 3175, 3182, 3230, 3290–3291, 3293, 3300, 3344–3345, 3381, 3752, 3829, 3878, 3979, 4079, 4126, 4224, 4389, 4410, 4436
LACTATION DISORDERS: 97, 858, 1285, 1381, 1990, 2384, 3181, 3480
LACTOPEROXIDASE: 3853, 4026
LACTOSE: 3381, 4040
LACTOSE INTOLERANCE: 4040, 4419
LACTOSE SYNTHETASE: 588, 3381
LAMINECTOMY: 3781
LAMPREYS: 2883
LANGUAGE DEVELOPMENT: 728
LANGUAGE DISORDERS: 728
LANTHANUM: 227, 422, 1165, 1265, 1495, 2294, 3541, 3545, 4229
LAPAROTOMY: 164, 369, 1342, 1662, 3154, 3599
LARVA: 166, 2738
LARYNGEAL DISEASES: 1638
LARYNGEAL EDEMA: 1638
LARYNGEAL NEOPLASMS: 443, 850, 1638
LARYNGECTOMY: 1443
LARYNGISMUS: 20
LARYNGITIS: 601, 2176, 3044, 3933
LARYNX: 2127
LASALOCID: 2662, 3471
LASERS: 848, 1142, 3555, 4187
LATENCY PERIOD (PSYCHOLOGY): 1968
LATERALITY: 286, 3235
LATEX PARTICLES: 3737
LATHYRISM: 2195
LE CELLS: 1400
LEAD: 366, 2640, 3324, 3469, 3815, 3972
LEAD POISONING: 2962
LEARNING: 1781, 1819, 3847
LECTINS: 388, 1374, 1524, 2492, 3328
LEG: 715
LEG DERMATOSES: 757
LEGIONNAIRES' DISEASE: 3199
LEGISLATION: 3023
LEGISLATION, DRUG: 3735
LEGISLATION, MEDICAL: 4440
LEIOMYOMA: 550, 687, 801, 1826, 2541, 3824
LEIOMYOSARCOMA: 4049
LEISHMANIA: 4138
LEISHMANIASIS, MUCOCUTANEOUS: 826
LEISHMANIASIS, VISCERAL: 262, 826
LEMURS: 3193, 3908
LEPROMIN: 2127
LEPROSY: 2127
LETHAL DOSE 50: 630, 2089, 3283
LEUCINE: 499, 594, 1260, 1343, 1573, 1640, 3978, 4232
LEUCINE AMINOPEPTIDASE: 2178, 2929
LEUCYL-BETA-NAPHTHYLAMIDASE: 2929
LEUKAPHERESIS: 1350
LEUKEMIA: 326, 554, 1423, 1675, 2563, 2653, 2771, 2785, 2981, 2997, 3645
LEUKEMIA, EXPERIMENTAL: 234, 289, 326, 928, 2224, 3455
LEUKEMIA, HAIRY CELL: 413
LEUKEMIA L1210: 1301
LEUKEMIA, LYMPHOBLASTIC: 257, 289, 554, 941, 1216, 1897, 1940, 2785, 3272, 3359, 4260, 4337–4338
LEUKEMIA, LYMPHOCYTIC: 4, 440, 554, 1811, 2705, 2728, 2964, 3594–3595
LEUKEMIA, MONOBLASTIC: 2785, 4336
LEUKEMIA, MYELOBLASTIC: 289, 554, 1160, 2194, 2224, 2785, 2964, 4336, 4338, 4398
LEUKEMIA, MYELOCYTIC: 152, 554, 1224, 1782, 3328, 3986, 4283
LEUKEMIA, RADIATION-INDUCED: 2145
LEUKOCYTE COUNT: 2, 831, 1087, 1099, 1336, 1831, 2009, 2339, 2430, 2668, 3203, 3213, 3290, 3500, 3827, 3930, 4176
LEUKOCYTE CULTURE TEST, MIXED: 1896
LEUKOCYTES: 203, 714, 823, 1147, 1180, 1235, 1253, 1809, 1812, 2588, 2910, 3071, 3312, 3500, 3644, 3667, 3985, 4125
LEUKOPENIA: 3357
LEUKOPLAKIA: 1863
LEUKOPLAKIA, ORAL: 1638
LEUKOVIRUSES: 3615
LEUPEPTINS: 1935

LEVALLORPHAN: 2107
LEVAMISOLE: 494, 1810, 3711, 3727
LEVODOPA: 18, 710, 1568, 1743, 2416, 3141, 3474, 3539, 3683, 3953
LEYDIG CELL TUMOR: 1376, 3824, 3855
LEYDIG CELLS: 93, 304, 529, 1092, 1264, 1281, 1804, 2111–2112, 2566, 2621, 2806, 2823, 2877, 2949, 3097–3098, 3131, 3334, 3461, 3699, 4012, 4369, 4384–4385
LH: 30, 97, 103, 162, 169, 192–193, 195, 208, 211, 252, 278, 287, 304, 308, 403, 428, 430, 442, 488, 524, 577–578, 583, 597, 636, 670, 754, 766, 800, 816, 865, 911–912, 923, 946, 986, 1048, 1204, 1206, 1215, 1252, 1264, 1303, 1341, 1345, 1354, 1393, 1407, 1426–1427, 1433, 1471, 1476, 1511, 1583, 1660, 1720, 1798, 1834, 1840, 1858, 1898, 1923, 2006, 2035, 2058, 2111–2112, 2165, 2219, 2230, 2248, 2262, 2273, 2282, 2330, 2365, 2399, 2488, 2543, 2621, 2733, 2737, 2776, 2830, 2856, 2936–2937, 2981, 3018, 3053, 3097–3098, 3147, 3154, 3160, 3182, 3276, 3306–3307, 3377, 3402, 3405, 3470, 3490, 3510, 3517, 3528–3529, 3537, 3625, 3650, 3681–3682, 3699, 3740, 3753, 3758, 3780, 3861–3862, 3902, 3991, 3996, 4065, 4069, 4122, 4136, 4149, 4251, 4262, 4298, 4324, 4346, 4442
LH-FSH RELEASING HORMONE: 192, 279, 287, 308, 442, 515, 524, 578, 636, 668, 748, 766, 911, 1215, 1237, 1415, 1426–1427, 1554, 1583, 1631, 1743, 1834, 1841, 1898, 2035, 2056, 2058, 2098, 2187, 2262, 2399, 2450, 2696, 2701, 2737, 2745, 2830, 2972, 3147, 3160, 3362, 3377, 3402, 3429, 3492, 3528–3529, 3681–3682, 3991, 4065, 4122, 4149, 4324
LIBIDO: 1633, 3740, 4442
LICHEN PLANUS: 756, 1730, 3895
LIDOCAINE: 1271, 1351, 2128, 3103, 3734, 4257–4258
LIFE STYLE: 35, 1074, 3614
LIGANDS: 1385, 1878, 1958, 3412, 4057
LIGASES: 1432
LIGATION: 31, 93, 536, 2095, 2305, 2830, 2877
LIGHT: 208, 532, 759, 783, 1286, 1558, 1651, 1690, 1950, 2077, 2190, 2512, 2747, 2826, 2867, 2942–2943, 3005, 3132, 3193, 3202, 3257, 3550, 3789, 3943, 4215, 4340, 4362
LIGHTING: 416, 1950, 3550
LIMBIC SYSTEM: 28, 123, 245, 1508, 1702, 2133, 2442, 2783, 3003, 3802, 4354
LINKAGE (GENETICS): 401, 436, 1773, 2124, 2862, 2880, 4153, 4314
LINOLEIC ACIDS: 1395, 1559, 2765, 3672, 3850
LINOLENIC ACIDS: 1395, 2603, 2765
LIONS: 508
LIPASE: 144, 1875, 1947
LIPID A: 204
LIPID MOBILIZATION: 113, 2275
LIPIDS: 21, 133, 391, 417–418, 537, 767, 795, 1104, 1133, 1373, 1395, 1877, 1947, 1976, 2102, 2231, 2267, 2316, 2370, 2387, 2398, 2464, 2496, 2717, 2825, 2851, 2879, 3059, 3150, 3230, 3413, 3418, 3521, 3532, 3605, 3731, 3897, 3990, 4050, 4074, 4206, 4226, 4252, 4285, 4377
LIPIODOL: 1876, 3707
LIPODYSTROPHY, INTESTINAL: 173
LIPOMA: 976, 1171
LIPOPOLYSACCHARIDES: 1244, 2916
LIPOPROTEIN LIPASE: 608, 2717, 3692
LIPOPROTEINS: 634, 711, 1045, 1616, 1973, 3042, 3063, 3319, 3897, 3940, 4237
LIPOPROTEINS, HDL: 283–284, 1119
LIPOPROTEINS, LDL: 283–284, 696, 2084, 2542, 3898
LIPOPROTEINS, VLDL: 284, 2542, 2834, 3898
LIPOSARCOMA: 73
LIPOSOMES: 2775, 3123, 3675, 4036
LIPOTROPIN: 54, 248, 297–298, 721, 1363–1364, 2258, 2284, 2687, 2694, 2993, 3030, 3647, 4019
LISTERIA INFECTIONS: 2136, 3709
LISTERIA MONOCYTOGENES: 2136
LITHIUM: 409, 785, 1019, 1208, 1246, 1697, 2426, 4453
LITTER SIZE: 979, 1498, 3591
LIVER: 21, 41, 78, 90, 96, 110, 154, 163, 174, 178, 205, 284, 315, 326, 339, 413, 509, 517, 541, 559, 576, 594, 598, 625, 629, 665, 703, 713, 755, 796, 810, 872, 889, 905, 913, 967, 1045, 1060, 1068, 1154, 1261, 1292, 1308, 1437, 1461, 1501, 1503, 1600, 1616, 1643, 1676, 1695, 1698, 1701, 1791, 1803, 1875, 1885, 1894, 1907, 1924–1925, 1944, 1973, 1994, 2032, 2075, 2089–2090, 2142, 2182, 2198, 2247–2248, 2265, 2281, 2287, 2337, 2357, 2371, 2437, 2642, 2654, 2727, 2802, 2829, 2898, 2911, 2944, 3010, 3013, 3066–3067, 3073, 3122, 3166, 3195, 3206, 3221, 3312, 3319, 3333, 3350, 3444, 3485, 3514, 3526, 3540, 3578, 3602–3603, 3632, 3635, 3663, 3666, 3706, 3747, 3753, 3764, 3829, 3897, 3904, 3923, 3928, 3985–3986, 3993, 3998, 4020, 4032, 4068, 4087, 4144, 4185, 4233, 4248, 4252, 4285, 4290–4291, 4293, 4299, 4320, 4361, 4375, 4377
LIVER CIRCULATION: 175, 1211, 1502, 2801, 3200
LIVER CIRRHOSIS: 650, 997, 1017, 1325, 1655, 1670, 1962, 2205, 2257, 2791, 3207, 3280, 3339, 3376, 3396, 3864
LIVER CIRRHOSIS, ALCOHOLIC: 2889, 4021
LIVER CIRRHOSIS, BILIARY: 1038, 3083
LIVER CIRRHOSIS, EXPERIMENTAL: 2291
LIVER DISEASES: 140, 398, 461, 508, 745, 1053, 1058, 1655, 1982, 2043, 2642, 2872, 2889, 3500, 3664, 3706, 3753, 3926
LIVER DISEASES, ALCOHOLIC: 1034, 4021
LIVER EXTRACTS: 2889
LIVER FUNCTION TESTS: 1060, 1596, 1655
LIVER GLYCOGEN: 21, 178, 417, 1734, 3073
LIVER NEOPLASMS: 73, 174, 457, 796, 1243, 1325, 1491, 2357, 2363, 2445, 2689, 2748, 3039, 3189, 3413, 3608, 3615, 3855, 3942
LIVER REGENERATION: 1184, 1877, 2409, 3526, 3666, 3829
LIZARDS: 115, 913, 2949, 3768
LOBSTERS: 216, 1954
LOCUS COERULEUS: 637, 787, 2461–2462, 2810, 3325, 3373, 4001, 4378
LOMUSTINE: 2198
LONG-ACTING THYROID STIMULATOR: 4173
LONG TERM CARE: 904, 1593, 3527
LONGEVITY: 1899
LONGITUDINAL STUDIES: 1614, 2375
LOOP OF HENLE: 837, 4294
LUMBAGO: 3403
LUMBAR VERTEBRAE: 2250
LUMBOSACRAL REGION: 797, 2204
LUMINESCENCE: 3448
LUNG: 88, 168, 321, 355, 511, 562, 614, 905, 913, 933, 967, 1095, 1356, 1468, 1496, 1640, 1805, 1912, 1944, 1958, 2068, 2182, 2324, 2438, 2610, 2622, 2669, 2788, 2821, 2954, 3041, 3195, 3212, 3258, 3475, 3617, 3869, 3913, 4091, 4162
LUNG ABSCESS: 2669, 3044
LUNG DISEASES: 362, 857, 1023, 1066, 1708, 1862, 2338, 2363, 3091
LUNG DISEASES, OBSTRUCTIVE: 857
LUNG NEOPLASMS: 298, 535, 648, 689, 797, 868, 999, 1074, 1156, 1463, 1585, 1867, 2050, 2099, 2665, 2689, 2770, 2964, 3030, 3092, 3190, 3335, 3357, 3606, 3615, 3854, 3936, 3999, 4042, 4046, 4177, 4437
LUPUS ERYTHEMATOSUS, SYSTEMIC: 24, 370, 855, 1075, 1257, 1400, 1405, 1449, 1700, 1922, 2459, 2514, 2653, 2781, 3016, 3699, 3981, 4453
LUTEIN CELLS: 2208, 3294
LUTEOLYTIC AGENTS: 978
LYASES: 326, 1369
LYMPH: 440, 3280, 4050
LYMPH NODE EXCISION: 879, 1738, 2081
LYMPH NODES: 173, 373, 388, 413, 1086, 1315, 1747, 2116, 2132, 2265, 3562, 3764, 4260, 4309
LYMPHANGIECTASIS, INTESTINAL: 1089
LYMPHANGIOMA: 2327, 4246
LYMPHATIC DISEASES: 1862, 2363, 2773, 3500
LYMPHATIC METASTASIS: 73, 400, 716, 850, 868, 1443, 1900, 2163, 2703, 2713, 2900, 3216, 3711, 3934, 4137
LYMPHATIC SYSTEM: 1502, 1914, 2311, 4252
LYMPHOCYTE TRANSFORMATION: 234, 263, 357, 388, 788, 827, 1180, 1747, 1813, 2044, 2680, 2758, 2786, 2814–2815, 2916, 3127, 3285, 3657, 3872, 4242, 4283, 4344
LYMPHOCYTES: 2, 31, 212, 247, 263, 357, 373, 388, 505, 513, 733, 788, 1151, 1208, 1472, 1747, 1811, 1813, 1896, 2091, 2167, 2212, 2270, 2311, 2360, 2394, 2446, 2587, 2696, 2705, 2828, 3203, 3415, 3596, 3664, 4160, 4309
B-LYMPHOCYTES: 2, 4, 357, 393, 440, 467, 554, 1773, 2009, 2200, 2916, 3594, 4160, 4242
T-LYMPHOCYTES: 2, 4, 116, 124, 212, 234, 357, 393, 440, 554, 595, 827, 1336, 1400, 1773, 1810–1811, 1831, 2009, 2200, 2270, 2334, 2446, 2472, 2786, 2814, 2916, 3424, 3594, 3764, 4160, 4242, 4380
LYMPHOGRAPHY: 1876, 3707, 4080
LYMPHOID TISSUE: 3644
LYMPHOKINES: 263–264, 931, 937, 1576, 1594, 1877
LYMPHOMA: 73, 368, 440, 525, 570, 733, 796, 1729, 2062, 2091, 2200, 2820, 2964, 3518, 3714, 3742, 4172, 4452
LYMPHOPROLIFERATIVE DISORDERS: 3518
LYMPHOSARCOMA: 368, 2062, 2506, 2857, 3190, 3561, 4193, 4248
LYNESTRENOL: 1306, 2674
LYPRESSIN: 997, 2123, 2143
LYSERGIC ACID DIETHYLAMIDE: 28, 2391, 4212
LYSINE: 3012, 4151
LYSOLECITHIN ACYLTRANSFERASE: 3258
LYSOSOMES: 391, 541, 845, 1087, 1359, 1448, 2124, 2480, 3791
LYSYL OXIDASE: 1155, 2574

M

MACACA: 295, 395, 661, 1294, 2477, 3154
MACROGLOBULINEMIA: 467, 931, 2037, 3807
MACROGLOSSIA: 41
MACROMOLECULAR SYSTEMS: 216, 499, 896, 1064, 1252, 1432, 1660, 2213, 2867, 3147, 3635, 3737, 3788, 4142
MACROPHAGES: 391, 448, 733, 937, 1099, 1214, 1287, 1359, 1448, 1472, 1877, 2328, 2334, 2420, 3168, 3264, 3328, 3338, 3455, 4029, 4115, 4309
MACULA LUTEA: 2582, 2938
MACULAR DEGENERATION: 2336
MAGNESIUM: 33, 53, 72, 81, 95, 119, 216, 242, 405, 659, 672, 872, 911, 919, 981, 1212, 1214, 1385, 1495, 1499, 1577, 1684, 1695, 1719, 1768, 1907, 1924, 1938, 2201, 2302, 2317, 2323, 2448, 2560–2561, 2608, 2625, 2744, 2902, 2942, 3067, 3091, 3286, 3354, 3428, 3546, 3586, 3767, 3803, 3950, 3993, 4235, 4301, 4318
MAGNESIUM SULFATE: 1442
MAGNETICS: 3634
MAJOR HISTOCOMPATIBILITY COMPLEX: 2653
MALABSORPTION SYNDROMES: 20, 781, 1038, 2037, 2560
MALACOPLAKIA: 1359
MALASSEZIA: 3153
MALATE DEHYDROGENASE: 608
MALATES: 3051
MALEIMIDES: 860, 2607
MALIGNANT HYPERTHERMIA: 455
MALOCCLUSION: 1371
MALOCCLUSION, ANGLE CLASS II: 1319
MALPIGHIAN TUBULES: 1469
MAMMAE: 229, 241, 313, 608, 910, 965, 1295, 1311, 1338, 1432, 1538, 1603–1604, 1686, 1976, 2116, 2437, 2496, 3102, 3230, 3344–3345, 3381, 3465, 3538, 3557, 4126, 4226
MAMMALS: 2171
MAMMARY ARTERIES: 241
MAMMARY CANCER VIRUS: 910
MAMMARY NEOPLASMS, EXPERIMENTAL: 616, 910, 1392, 1666, 1670, 1895, 2504, 2661, 2745, 3189, 4226, 4332, 4345
MAMMILLARY BODIES: 59, 61, 3056, 3373, 3482
MAMMOGRAPHY: 396, 1330, 1379, 2145
MANDIBLE: 419, 3004, 3137
MANDIBULAR CONDYLE: 3576
MANDIBULAR FRACTURES: 2283
MANDIBULAR NEOPLASMS: 4246
MANGANESE: 381, 911, 1768, 1924–1925, 1938, 2201, 2206, 2625, 2760, 2957, 4277, 4316
MANNITOL: 1234, 1496, 1914
MANNOSE: 2216, 2306
MANOMETRY: 2183
MANUALS: 433
MARINE BIOLOGY: 1
MARRIAGE: 2992, 3114, 3407, 3989
MARSUPIALIA: 1338
MASS CHEST X-RAY: 255

MASS FRAGMENTOGRAPHY: 1450, 2225, 4355
MASS SCREENING: 773, 1284
MASSAGE: 1112, 1580
MAST CELLS: 299, 615, 1910, 2275, 3433
MASTECTOMY: 2554, 2901
MASTICATION: 2126
MASTOID: 3267
MASTURBATION: 1968
MATERNAL AGE: 1270, 1727, 3374, 3614
MATERNAL BEHAVIOR: 449, 895, 2186, 2434, 3568, 4371
MATERNAL-FETAL EXCHANGE: 90, 220, 249, 354, 511, 641–642, 718, 743, 790, 831, 971, 1168, 1261, 1355, 1834, 1854, 1901, 1912, 2576, 2581, 2838, 3077, 3234, 3300, 3330, 3577, 3607, 3678, 3869, 3888, 4009, 4012, 4113, 4219, 4286, 4372, 4384, 4410
MATERNAL MORTALITY: 398, 497
MATHEMATICS: 859, 1113, 1120, 1625, 1836, 2453, 2719, 2752, 2760, 3108, 3570, 3757, 4170, 4254
MAXILLA: 90, 1436, 4207
MAXILLARY NEOPLASMS: 4326
MAXILLOFACIAL DEVELOPMENT: 1319
MAXILLOFACIAL INJURIES: 3896
MAXIMUM PERMISSIBLE EXPOSURE LEVEL: 2954
MAZINDOL: 2174
MEAT: 1, 86, 1493, 2234, 3990
MEAT-PACKING INDUSTRY: 1692
MEAT PRODUCTS: 1692
MECHLORETHAMINE: 413, 1157, 2771, 2924, 4376
MECLOFENAMIC ACID: 2588
MECONIUM: 1170
MEDIAN EMINENCE: 274, 344, 939, 1240, 1345, 1886, 3474, 3971
MEDIAN FOREBRAIN BUNDLE: 817, 3373, 4110
MEDIASTINAL CYST: 4172
MEDIASTINAL DISEASES: 4172
MEDIASTINAL NEOPLASMS: 676, 1171, 2920, 3092, 4172, 4390
MEDIASTINUM: 4390
MEDICAL HISTORY TAKING: 91, 3614, 4413
MEDICAL ONCOLOGY: 2244
MEDICATION ERRORS: 3875
MEDIGOXIN: 1987
MEDROXYPROGESTERONE: 85, 175, 380, 397, 1071, 1367, 1633, 1985, 2096, 2240, 2390, 2400, 2901, 3191
MEDULLA OBLONGATA: 14, 695, 1186, 1706, 1959, 2633, 2783, 3642, 4232, 4358
MEDULLOBLASTOMA: 359, 915, 3204, 3608, 4310
MEGACOLON: 3243
MEGESTROL: 2647, 3621, 3898
MEGLUMINE: 262, 826
MEGLUMINE DIATRIZOATE: 2552
MEIGS' SYNDROME: 2468
MEIOSIS: 223, 422, 498, 577, 899, 2536, 3443
MELANOCYTES: 1259
MELANOMA: 11, 510, 1140, 1331, 1585, 1988
MELATONIN: 104, 166, 1651, 1726, 2187, 2578, 2652, 2930, 3005, 3115, 4209
MELENA: 4003
MELENGESTROL: 2756
MELPHALAN: 2507, 2997
MEMBRANE FLUIDITY: 2817, 3493
MEMBRANE LIPIDS: 788, 1397, 2184, 2326, 2817, 3493, 4252
MEMBRANE POTENTIALS: 65, 80, 330, 543, 706, 1064, 1149, 1289, 1474, 1577, 1886, 2049, 2320, 2358, 2747, 2752, 2957, 3303, 3761, 4170
MEMBRANE PROTEINS: 99, 275, 602, 956, 1421, 1613, 1878, 2184, 2190, 2908, 3553, 3921, 3928
MEMBRANES: 347, 468, 514, 602, 1133, 1448, 1664, 1698, 1958, 2124, 2184, 2935, 2953, 3418, 3615, 3920, 4234
MEMBRANES, ARTIFICIAL: 2184, 3398
MEMORY: 121, 161, 224, 426, 449, 838, 1614, 1702, 1819, 2192, 2340, 2351, 3847, 3900, 4124, 4214, 4420
MEMORY DISORDERS: 4268, 4420
MEMORY, SHORT-TERM: 1819, 4420
MENARCHE: 2725, 4262
MENINGEAL NEOPLASMS: 1216, 2728, 3944, 4283
MENINGIOMA: 2712, 3944, 4097
MENINGITIS: 271, 4230
MENINGITIS, ASEPTIC: 271
MENINGITIS, LISTERIA: 2136
MENINGOCELE: 1574
MENINGOCOCCAL INFECTIONS: 1712
MENINGOENCEPHALITIS: 3213
MENOPAUSE: 117, 142, 157, 400, 490, 534, 720, 816, 986, 1200, 1254, 1427, 1461, 1475, 1479–1480, 1531, 1570, 1598, 1785, 1931, 2006, 2065, 2126, 2220, 2250, 2348–2349, 2369–2370, 2529, 2639, 2849, 2928, 3108, 3367, 3388, 3510, 3758, 3867, 3925, 4040, 4129, 4216–4217, 4267, 4419, 4434
MENOPAUSE, PREMATURE: 117
MENORRHAGIA: 85, 609, 1531, 3191
MENOTROPINS: 442, 737, 947, 1943, 2424, 2695, 2846, 3449, 3690, 4298
MENSTRUATION: 85, 371, 395, 490, 586, 670, 723, 1139, 1197, 1204, 1389, 1519, 1749, 1766, 1858, 1943, 2006, 2094, 2365, 2387, 2711, 2849, 2976, 2992, 3053, 3146, 3266, 3276, 3290, 3387, 3489–3490, 3512, 3517, 3528, 3600, 3741, 3967, 4171, 4298
MENSTRUATION DISORDERS: 224, 371, 1215, 1531, 2230, 2384, 2402, 2592, 4150
MENSTRUATION, FOLLICULAR PHASE: 3276
MENSTRUATION INDUCING AGENTS: 2695
MENSTRUATION, LUTEAL PHASE: 183, 586, 2384, 3276
MENTAL DISORDERS: 433, 465, 2555, 3081, 3130
MENTAL HEALTH: 686
MENTAL HEALTH SERVICES: 4197
MENTAL RETARDATION: 384, 653, 781, 1707, 2596, 2650, 2888, 3213, 3717, 3783, 4124
MENTAL RETARDATION, PSYCHOSOCIAL: 4371
MEPERIDINE: 1007, 2433, 2768
MEPIVACAINE: 1271
MERBROMINE: 1565
MERCAPTOETHANOL: 4114
MERCAPTOPURINE: 413, 1160, 1423, 1729, 1940, 4260, 4326, 4398
MERCURY: 1168, 3516, 3904
MERCURY POISONING: 712, 2924
MERSALYL: 2660
MESCALINE: 28
MESENCEPHALON: 245, 544, 705, 784, 1033, 1186, 1202, 1706, 2052, 2323, 3768, 3793, 3847, 3997, 4232, 4354
MESENCHYMOMA: 796
MESENTERIC ARTERIES: 291, 1265, 2070, 2897
MESENTERIC CYST: 2989
MESENTERIC VASCULAR OCCLUSION: 715, 2784
MESENTERIC VEINS: 3670
MESENTERY: 47, 421, 1340, 2116
MESOCRICETUS: 435, 532, 684, 969, 1073, 1090, 1320, 1774, 2406, 3395
MESODERM: 1118
MESONEPHROMA: 717, 1621, 2155, 2166, 2778, 3961
MESOTHELIOMA: 3797
MESTEROLONE: 2757
MESTRANOL: 197, 1243, 2250, 2583, 2756, 3600
METABOLIC CLEARANCE RATE: 1231, 1494, 2258, 3113, 3396, 4191, 4286
METABOLIC DISEASES: 821, 2023–2024, 2195, 2780, 4167
METABOLISM: 410, 902, 2021, 2225, 3237, 4074
METABOLISM, INBORN ERRORS: 51, 1043, 1270, 1614, 2124, 2148, 3706, 4156
METACARPUS: 579, 632, 809, 2474
METALLOPROTEINS: 441
METALLOTHIONEIN: 441
METALLURGY: 1944
METALS: 1719, 4391
METAMORPHOSIS, BIOLOGICAL: 574, 1616, 2883
METAPHASE: 498, 1818, 2026
METAPLASIA: 4287
METESTRUS: 881, 4352
METHADONE: 207, 2043, 4397
METHADYL ACETATE: 4397
METHAMPHETAMINE: 28, 2296
METHANDROSTENOLONE: 1596
METHENAMINE: 3820
METHERGOLINE: 3112
METHICILLIN: 1422, 3677
METHIMAZOLE: 1628, 1946, 3150, 3817
METHIONINE: 1343, 2050, 2608, 2634, 2993, 3147, 4151
METHIOTHEPIN: 1247
METHODS: 44, 125, 132, 167, 269, 311, 315, 463, 497, 516, 560, 628, 650, 683, 850, 929, 932, 949, 970, 982, 1016, 1030, 1227, 1307, 1420, 1443, 1450, 1536, 1637, 1739, 1777, 1842, 1883, 1954, 1958, 2019, 2024, 2226, 2244, 2298, 2301, 2377, 2454, 2473, 2521, 2546, 2575, 2594, 2616, 2694, 2782, 2862, 2869, 2874, 2876, 2900, 3196, 3269, 3553, 3560, 3734, 3750, 3859, 3868, 3889, 3973, 4011, 4089, 4104, 4355, 4390
METHOHEXITAL: 661, 2633
METHOTREXATE: 385, 400, 518, 842, 915, 1160, 1216, 1232, 1375, 1423, 1694, 1729, 1884, 1940, 2093, 2946, 4260, 4337–4338, 4398
METHOXAMINE: 1283, 2146, 2852
METHOXSALEN: 3426, 4299
METHOXYCHLOR: 491
METHOXYFLURANE: 661
METHOXYHYDROXYPHENYLGLYCOL: 2364
METHOXYTRYPTAMINE: 4110
METHYCLOTHIAZIDE: 828
METHYL ETHERS: 523, 3720
1-METHYL-3-ISOBUTYLXANTHINE: 202, 699, 1103, 1323, 1550, 1747, 2657, 3337, 3692
METHYLAMINES: 1577
METHYLATION: 176, 1173, 4142, 4151
METHYLCELLULOSE: 4147
METHYLCHOLANTHRENE: 339, 3615
METHYLDOPA: 536, 1072, 1127, 2435, 3065, 3839
METHYLDOPAHYDRAZINE: 3141
METHYLENE BLUE: 3101
METHYLENE CHLORIDE: 2575
METHYLGLUCOSIDES: 3437, 4365
METHYLGLYCOSIDES: 888
METHYLHISTAMINES: 1805, 2499
METHYLMANNOSIDES: 888, 1698, 2140
METHYLMETHACRYLATE: 2523
METHYLPHENAZONIUM METHOSULFATE: 2075
METHYLPREDNISOLONE: 4, 155, 178, 975, 991, 1680, 1685, 1708, 1721, 1725, 1896, 2095, 2198, 2339, 2471, 2552, 2559, 2784, 3016, 3892, 3926, 4091, 4163, 4257–4258, 4260
METHYLTESTOSTERONE: 197, 311
METHYLTHIOURACIL: 522, 3150
METHYLTRANSFERASES: 641, 4380
METHYLTYROSINES: 425, 1094, 1114, 1578, 1634, 1986, 2416, 3638, 4001, 4044
METHYSERGIDE: 738, 774, 1066, 1247, 1714, 2996, 3341
METIAMIDE: 615, 1805, 3093
METOCLOPRAMIDE: 219, 380, 710, 1100, 1381, 4253
METOPROLOL: 2228, 4014
METRIZAMIDE: 3944
METRONIDAZOLE: 2144
METYRAPONE: 862, 875, 2143, 2199, 3157, 4016
MEVALONIC ACID: 3074, 4238
MICE: 11, 16, 23, 46, 65, 90, 114, 124, 150, 172, 187, 234, 247, 289, 315, 326, 333–334, 361, 366, 374, 378, 391, 453, 489, 495, 498, 513, 556, 570, 591, 664, 713, 733, 761, 789, 795, 880, 910, 928, 934, 937, 969, 981, 1043, 1071, 1154, 1157, 1168, 1180, 1230, 1236, 1261, 1273, 1287, 1301, 1305, 1311, 1334, 1345, 1363, 1456, 1495, 1506, 1524, 1542, 1554, 1600, 1617–1618, 1627, 1635, 1642, 1671, 1682, 1686, 1744, 1756, 1803, 1811, 1818, 1843, 1851, 1860, 1867, 1877, 1974, 1986, 2062, 2079, 2083, 2089, 2116, 2140, 2152, 2199, 2214–2215, 2240, 2263, 2303, 2323, 2334, 2340, 2401, 2427, 2472, 2480, 2504, 2514, 2520, 2548, 2587, 2599, 2601, 2631, 2656, 2658, 2688, 2717, 2735, 2739, 2787, 2794, 2815, 2823, 2828, 2837–2838, 2844, 2865, 2880, 2895, 2916, 2930, 3021, 3047, 3055, 3063, 3120, 3131, 3163, 3168, 3189, 3270, 3273, 3300, 3328, 3333, 3344–3345, 3352, 3395, 3399, 3453–3455, 3526, 3538, 3557, 3562, 3579, 3586, 3591, 3627, 3649, 3668–3669, 3688, 3695, 3764, 3766, 3790–3791, 3794, 3799–3800, 3802, 3820, 3822, 3833, 3871, 3906, 3924, 3941, 3947, 3974, 3988, 3998, 4002, 4013, 4019, 4029, 4035, 4082, 4096, 4153, 4159–4160,

4174, 4245, 4279, 4291, 4295, 4320, 4327, 4344–4345, 4351, 4357, 4375
MICE, INBRED A: 90, 3352, 4320
MICE, INBRED AKR: 234, 2214
MICE, INBRED BALB C: 150, 513, 556, 1230, 1811, 2334, 2823, 3344–3345, 4159, 4174
MICE, INBRED CBA: 150, 1877, 3764, 4174, 4245
MICE, INBRED C3H: 928, 1043, 1154, 2823, 3906, 4174, 4327
MICE, INBRED C57BL: 114, 150, 374, 795, 1043, 1168, 1180, 1506, 1877, 2199, 2427, 2815, 2837, 3163, 3352, 3802, 3947, 4160, 4174, 4327
MICE, INBRED DBA: 114, 2199
MICE, INBRED ICR: 1600, 1627, 1686, 2083, 3021, 3270, 3273
MICE, INBRED NZB: 934
MICE, INBRED STRAINS: 556, 570, 733, 937, 1803, 2062, 2504, 2548, 2837, 2916, 3300, 3454, 3800, 4153
MICE, NEUROLOGIC MUTANTS: 46
MICE, NUDE: 489, 1867, 1974, 3395, 3764
MICE, OBESE: 795, 2717, 3947, 4002, 4351
MICONAZOLE: 2368, 3871
MICROBODIES: 3206
MICROCEPHALY: 519, 2959
MICROCHEMISTRY: 553, 2061, 3047
MICROCIRCULATION: 62, 178, 261, 615, 2045, 4222
MICROCOCCAL NUCLEASE: 2203, 4114, 4152
MICROCOCCUS: 3952
MICROELECTRODES: 683, 2749
MICROFILAMENTS: 688, 1304, 1981, 2266, 2990, 3731, 3866
MICROINJECTIONS: 1248
MICRORADIOGRAPHY: 1489
MICROSCOPY: 2137, 4131
MICROSCOPY, ELECTRON: 171, 173–174, 719, 779, 863, 1111, 1194, 1613, 1844, 1976, 2051, 2054, 3159, 3167, 3206, 3245, 3399, 3474, 3493, 3498, 3524, 3680, 3810, 3814, 3824, 3971, 4103, 4111, 4121, 4242, 4364, 4381
MICROSCOPY, ELECTRON, SCANNING: 203–204, 419, 798, 2849
MICROSCOPY, FLUORESCENCE: 2977, 3433
MICROSOMES: 194, 589, 882, 1020–1021, 1189, 1290, 1764, 1849, 2102, 2242, 2360, 2433, 2519, 2764, 2933, 3074, 3255–3256, 3546, 3617, 3770, 3803, 4010, 4272, 4302, 4322
MICROSOMES, LIVER: 87, 106, 339, 387, 672, 880, 1946, 2142, 2199, 2433, 2909, 2933, 2960, 3385, 3425, 3451
MICROSPHERES: 2784
MICROSURGERY: 1465, 2958, 3241, 3250, 3574, 4045
MICROTOMY: 2871, 4131
MICROTUBULES: 688, 890, 1304, 1387, 1394, 1976, 3727, 3866, 4348
MICROVILLI: 375, 429, 2719, 3553, 4219
MICROWAVES: 2628, 4089
MIDDLE AGE: 4–5, 7, 9, 24, 32, 48, 55, 70, 91, 95, 102, 108–109, 127, 132, 142, 152–153, 157, 162, 173, 181, 184, 189, 194–196, 198, 207, 253, 257, 271, 283, 290, 292, 320, 342, 346, 357, 365, 368–370, 376–377, 382, 384–385, 393, 396–397, 406, 413–414, 431, 441, 443, 456, 465, 476, 481, 487–488, 490, 501, 520, 535, 552, 560, 563, 582, 600, 604–605, 609, 622, 628, 638–640, 648, 650, 656, 659, 675, 692, 694, 696, 704, 710, 712, 722–723, 734–735, 739, 742, 757, 762, 764, 766, 772, 779, 782, 794, 797, 801, 805, 807, 809, 811, 813–814, 816, 818–819, 821–822, 829, 835, 840, 853, 855–857, 861, 884, 887, 902, 904, 950, 958, 962–963, 973, 976, 986, 997, 999, 1007, 1012, 1018, 1022, 1029, 1046–1047, 1051, 1056, 1059–1060, 1065–1066, 1068, 1085–1086, 1095, 1102, 1108, 1116, 1126, 1130–1131, 1134, 1150, 1156, 1171, 1178, 1200, 1205, 1222, 1229, 1231, 1250, 1279, 1284, 1318, 1336, 1339, 1347–1348, 1375, 1379, 1382, 1390, 1401, 1405, 1408, 1411–1412, 1415, 1443, 1449, 1461, 1463, 1475, 1479–1480, 1484, 1490, 1494, 1510, 1513, 1540, 1544, 1551–1553, 1555, 1586, 1598–1599, 1623, 1629, 1638, 1677–1679, 1696, 1717, 1727, 1732, 1736, 1748, 1757–1758, 1782, 1785, 1793, 1798, 1804, 1816, 1820–1821, 1826, 1846, 1855, 1862, 1867, 1876, 1893, 1915–1916, 1918–1919, 1932, 1945, 1952, 1961, 1963, 1977, 1992, 2001, 2006, 2009, 2011, 2013, 2016, 2037, 2042, 2060, 2065–2066, 2072, 2074, 2078, 2086, 2091–2092, 2094, 2096, 2106, 2113, 2125–2126, 2129–2131, 2136, 2138, 2143, 2164, 2169, 2178, 2180, 2183, 2188–2189, 2220, 2226, 2239, 2241, 2247, 2259, 2273–2274, 2283, 2289, 2292–2293, 2298, 2304, 2314, 2318, 2321, 2329, 2336, 2338–2339, 2344, 2347–2349, 2355, 2357, 2365, 2368, 2370, 2372, 2375, 2379, 2397, 2400, 2404, 2410, 2426, 2430–2432, 2435, 2451–2452, 2459, 2500, 2503, 2505–2507, 2513, 2523, 2525, 2529, 2534, 2538, 2541, 2545, 2552, 2557, 2560, 2569, 2582, 2586, 2594, 2600, 2612, 2616, 2620, 2637–2639, 2641–2642, 2644, 2666, 2669, 2672, 2674, 2676, 2683, 2685, 2689, 2693, 2699, 2707–2708, 2712, 2714, 2718, 2720–2721, 2730–2732, 2741–2742, 2746, 2751, 2765, 2768, 2771, 2775, 2779, 2786, 2789, 2791–2793, 2795, 2799, 2804, 2811, 2813, 2818–2820, 2831, 2836, 2839, 2849, 2854, 2856, 2877, 2882, 2896, 2900–2901, 2924, 2966, 2979, 2988, 2994, 2997, 3016, 3018, 3031, 3049, 3057, 3068, 3089, 3106, 3108, 3115, 3120, 3141, 3144–3146, 3151, 3179, 3196, 3198, 3210, 3216, 3236, 3240, 3247, 3249, 3263, 3266, 3277–3278, 3297–3298, 3314, 3316, 3320, 3323, 3335, 3339, 3343, 3354, 3357, 3364, 3367, 3374, 3376, 3388–3390, 3396, 3398, 3407–3408, 3415, 3417, 3420, 3424, 3426, 3435, 3440–3441, 3447, 3460, 3462, 3484, 3501, 3507, 3510, 3518, 3525, 3527, 3531, 3534, 3536, 3547, 3556, 3560–3561, 3571, 3594, 3597, 3604, 3606, 3610, 3613, 3622–3623, 3629, 3631, 3633, 3637–3638, 3643, 3652, 3660–3662, 3667, 3676–3677, 3696, 3699, 3720, 3738, 3758, 3760, 3772, 3781, 3796–3797, 3805, 3807, 3821, 3830, 3836, 3842, 3845–3846, 3848, 3854, 3859, 3864, 3867, 3875, 3884, 3886, 3889–3890, 3901, 3905, 3909, 3922, 3932, 3935, 3944, 3956–3958, 3976, 3999, 4003, 4005, 4014, 4021, 4025, 4027, 4037, 4040, 4042, 4045–4046, 4048–4049, 4054, 4070, 4073, 4081, 4093, 4097–4098, 4104, 4124, 4129, 4133, 4145, 4149–4150, 4161, 4168, 4175, 4186, 4199, 4205, 4216, 4230, 4236, 4247, 4257, 4265, 4268, 4273, 4280, 4304–4307, 4325–4326, 4336–4338, 4376, 4382, 4386, 4393–4394, 4398–4399, 4419–4420, 4431, 4448
MIGRAINE: 2202, 2540, 2645, 2711, 3130, 4187
MILITARY MEDICINE: 2362
MILK: 1, 312, 331, 418, 972, 1133, 1698, 1930, 2185, 2609, 3841, 4079, 4224, 4410
MILK-ALKALI SYNDROME: 2609
MILK EJECTION: 1295
MILK, HUMAN: 1133, 1395, 1938, 2516, 2750, 2814, 3289, 4428
MILK PROTEINS: 1395, 2550, 3381
MIMOSINE: 2895
MINERALOCORTICOIDS: 545, 4038
MINERALOCORTICOIDS, SYNTHETIC: 324, 3326
MINERALS: 579, 1004, 1442, 1499, 1828, 1938, 2033, 2154, 2250, 2464, 2532, 2751, 2793, 2873, 3231, 3848, 4123, 4252, 4329, 4436
MINK: 1690
MINOXIDIL: 1072
MITHRAMYCIN: 3316
MITOCHONDRIA: 31, 34, 107, 135, 168–169, 229, 375, 495, 780, 863, 1027, 1106, 1397, 1441, 1546, 1572, 1841, 2073, 2114, 2316, 2367, 2577, 2691, 2917, 3032, 3245, 3392, 3654, 3680, 3722, 3757, 4036, 4103, 4234, 4266, 4272, 4289
MITOCHONDRIA, HEART: 724, 767, 2963, 3524, 4243
MITOCHONDRIA, LIVER: 135, 542, 780, 1196, 2142, 2317, 2744, 2953, 3013, 3206, 3350, 3495, 3722, 3897, 4243, 4289
MITOCHONDRIA, MUSCLE: 381, 455, 3670
MITOGENS: 234, 2786, 3764, 4208
MITOMYCIN: 4326
MITOSIS: 230, 899, 1071, 1392, 1424, 2299, 2945, 3038, 3636, 3731
MITOTANE: 1027, 2357, 3629
MITOTIC INDEX: 230
MITRAL VALVE INSUFFICIENCY: 364
MIXED CONNECTIVE TISSUE DISEASE: 271, 1075
MIXED FUNCTION OXIDASES: 1946, 2032
MOBILE HEALTH UNITS: 175
MODELS, BIOLOGICAL: 80, 118, 204, 358, 373, 422, 498, 584, 719, 832, 1042, 1057, 1113, 1238, 1299, 1327, 1647, 1786, 2185, 2281, 2316, 2453, 2473, 2867, 2953, 3056, 3076, 3124, 3280, 3301, 3554, 3570, 3615, 3651, 3816, 3919, 3963, 4009, 4059, 4162, 4203, 4234, 4254, 4370
MODELS, CHEMICAL: 1260, 2698
MODELS, NEUROLOGICAL: 213, 1702, 1819, 2340, 2351
MODELS, STRUCTURAL: 967, 1903
MOLAR: 419, 3137
MOLECULAR CONFORMATION: 522, 657, 2184, 2216, 2562, 3040, 3170, 3465, 4019
MOLECULAR MODELS: 246, 3040
MOLECULAR WEIGHT: 19, 99, 275, 297–298, 415, 499, 539, 583, 634, 788, 872, 896, 956, 1173, 1343, 1396, 1432, 1454, 1463, 1481, 1529, 1613, 1836, 1839, 1887, 1979, 2015, 2140, 2203, 2213, 2264, 2303, 2411, 2613, 2626, 2634, 2762, 2902, 2908, 3063, 3066, 3138, 3168, 3231, 3269, 3348, 3409, 3557, 3603, 3626, 3635, 3691, 3737, 3803, 3913, 3992, 4128, 4143, 4152, 4237, 4317–4318, 4333, 4349
MOLLUSCA: 553, 3953
MOLONEY VIRUS: 326
MONENSIN: 4231
MONGOLOID RACE: 3860
MONILIASIS: 1005, 1180, 2780, 2860, 3153, 3871
MONILIASIS, CUTANEOUS: 116, 2780
MONILIASIS, VULVOVAGINAL: 2505
MONITORING, PHYSIOLOGIC: 1940, 2524, 2556, 4298
MONKEY DISEASES: 3078
MONKEYS: 27–28, 123, 183, 239, 249, 252, 295, 395, 419, 566, 577, 661, 1015, 1037, 1044, 1248, 1280, 1282, 1294, 1351–1352, 1391, 1505, 1648, 1711, 1834, 1845, 1874, 2133, 2518, 2656, 2734, 2840, 2865, 2961, 2981, 3078, 3103, 3154, 3185, 3222, 3290, 3372, 3576, 3779, 3861–3862, 3866, 3872, 3951, 4262
MONOAMINE OXIDASE: 166, 168, 317, 800, 1161, 1921, 1924–1925, 1959, 2544, 3697, 4068
MONOCYTES: 1087, 1472, 2420, 3175
MONOTREMATA: 3502
MONTE CARLO METHOD: 4162
MORALS: 4440
MORNING AFTER PILL: 1624
MORPHINANS: 778
MORPHINE: 288, 310, 610, 612, 630, 778, 988, 1176, 1236, 1508, 1566, 1628, 1667, 1801, 1806, 1815, 2097, 2277, 2518, 2629–2630, 3549, 3648, 3799, 3840, 4018, 4035, 4157
MORPHINE ADDICTION: 310, 4035
MORPHINE DERIVATIVES: 1236
MORPHOGENESIS: 2051, 4138
MORPHOLINES: 343, 1779
MORTALITY: 433
MOSAICISM: 505, 1270, 1814, 1927, 2278, 2444, 2570, 2845, 3119, 3198, 3558, 3596, 3773
MOTHER-CHILD RELATIONS: 686, 985
MOTILIN: 1063
MOTIVATION: 123, 2082
MOTOR ACTIVITY: 46, 701, 1478, 1508, 1568, 1674, 1740, 1850, 1986, 2002, 2088, 2296, 2461, 2636, 2840, 2969, 3048, 3202, 3253, 3710, 3784, 3883, 4054, 4085, 4110, 4366
MOTOR ENDPLATE: 52
MOTOR NEURONS: 2749, 3745
MOTOR SKILLS: 4268
MOUSE LEUKEMIA VIRUSES: 570
MOUSE SARCOMA VIRUS: 57
MOUTH DISEASES: 2126, 2466, 3896
MOUTH MUCOSA: 483, 653, 723, 740, 2466, 4077–4078, 4227
MOUTH NEOPLASMS: 639, 740
MOVEMENT: 798, 883, 957, 1541, 3688, 4168
MSH: 64, 297, 479, 1114, 1706, 1783, 2450, 2856, 3030, 4032
MSH RELEASE INHIBITING HORMONE: 612
MUCOPOLYSACCHARIDES: 1595, 2171, 4006
MUCOUS MEMBRANE: 1531, 2127, 2849, 3734, 4070
MUCUS: 1846, 2449, 3201
MULLERIAN DUCTS: 707, 2422, 3375, 3739, 4244
MULTIPLE MYELOMA: 931, 1555, 2507, 2665, 2997, 4242, 4306
MULTIPLE SCLEROSIS: 1014, 1019, 2463
MURAMIDASE: 2224, 2306, 3175, 3952, 4304
MUSCIMOL: 301, 2629
MUSCLE CONTRACTION: 280, 381, 589, 596, 610, 663–664, 698, 760, 969, 1100, 1182, 1190–1191, 1274, 1328, 1357, 1523, 1527, 1541, 1628, 1745, 1778, 1815, 1844, 1851, 1908, 2391,

2660, 2782, 2870, 3346, 3411, 3541, 3688, 3804, 4171, 4200
MUSCLE DENERVATION: 52, 280, 820, 2087, 3651
MUSCLE HYPOTONIA: 3043, 4453
MUSCLE PROTEINS: 43, 1190, 1274, 1954, 1979, 2326, 3809, 4151, 4318, 4372
MUSCLE RELAXANTS, CENTRAL: 3403
MUSCLE RELAXATION: 291, 2660, 2984, 3411, 3804
MUSCLE, SMOOTH: 381, 589, 596, 610, 663, 698, 760, 1100, 1182, 1191, 1265, 1339, 1357, 1523, 1541, 1628, 1731, 1815, 1851, 1908, 1910, 2049, 2266, 2870, 2984, 3411, 3541, 3670, 3809, 3863, 3950, 4015, 4052, 4272
MUSCLE TONUS: 1112, 1891, 2730, 4268
MUSCLES: 43, 92, 216, 280, 327, 390, 455, 472, 484, 517, 523, 591, 602, 607, 664, 685, 820, 920, 949, 1274, 1328, 1347, 1473, 1608, 1643, 1731, 1745, 1844, 1890, 1909, 2010, 2014, 2087, 2201, 2234, 2358, 2437, 2515, 2548, 2599, 2898, 2911, 2985, 3067, 3218, 3399, 3669, 3747, 3806, 3815, 3927, 4318, 4361, 4453
MUSCULAR ATROPHY: 1190
MUSCULAR DISEASES: 66, 433, 523, 919, 1890, 2150, 2515, 3052, 3267, 3346, 3436, 4130, 4273
MUSCULAR DYSTROPHY: 919, 1844, 1909, 2774, 3806
MUSSELS: 2660
MUTAGENS: 4410
MUTATION: 401, 1120, 1337, 1372, 1377, 2537, 2908, 2917, 3264, 3714, 3791, 4288
MYASTHENIA GRAVIS: 2, 32, 351, 595, 681, 1400, 1430, 1654, 2074, 2126, 2200, 3859, 4453
MYCOBACTERIUM: 2132, 4288
MYCOBACTERIUM LEPRAE: 2127
MYCOBACTERIUM TUBERCULOSIS: 3801
MYCOSES: 3981
MYCOSIS FUNGOIDES: 2600
MYDRIATICS: 225, 4120
MYELIN PROTEINS: 4232
MYELIN SHEATH: 3552
MYELOBLASTOSIS VIRUS, AVIAN: 1529
MYELOPEROXIDASE: 3071
MYELOPROLIFERATIVE DISORDERS: 3175, 3942
MYENTERIC PLEXUS: 3243
MYOCARDIAL CONTRACTION: 94, 360–361, 402, 435, 462, 767, 906, 918, 1105, 1304–1305, 1778, 1880, 2206, 2254, 2326, 3187–3188, 3524, 3751, 3838, 3946, 4023, 4107, 4201, 4231
MYOCARDIAL DISEASES: 1794, 3751, 4273
MYOCARDIAL INFARCTION: 63, 70, 364, 454, 696, 762, 827, 1126, 1461, 2014, 2191, 2304, 2372, 2455, 3524, 3604, 3616, 3879, 4431
MYOCARDITIS: 1652–1653, 3106
MYOCARDIUM: 88, 350, 360–361, 364, 425, 435, 462, 468, 517, 605, 613, 762, 767, 821, 918, 1036, 1082, 1105, 1183, 1304–1305, 1530, 1880, 1979, 2004, 2075, 2084, 2102, 2151, 2206, 2231, 2296, 2305, 2401, 2409, 2455, 2476, 2834, 2919, 3444, 3514, 3524, 3546, 3616, 3669, 3671, 3751, 3770–3771, 3777, 3803, 3805, 3851, 4102, 4151, 4200–4201, 4231, 4367, 4377
MYOCLONUS: 807, 3143
MYOGLOBINURIA: 322, 523
MYOMETRIUM: 33, 80, 648, 836, 1020, 2158, 2589, 3891, 4373
MYOPIA: 4130
MYOSIN: 19, 455, 2266, 3927, 4318
MYOSITIS: 1271, 1430
MYXEDEMA: 131, 638, 757, 1102, 2283, 2832, 2971, 3081, 3280
MYXOMA: 2392
MYXOMYCETES: 2475

N

NAD: 105, 375, 2433, 2821, 4095
NADH, NADPH OXIDOREDUCTASES: 1546, 2577, 4095
NADP: 105, 375, 1546, 1946, 2142, 2433, 2953, 3074, 3920
NADPH CYTOCHROME C REDUCTASE: 339
NAFOXIDINE: 934
NALOXONE: 213, 288, 309, 349, 610, 778, 988, 1054, 1236, 1275, 1508, 1607, 1627, 1667, 1788, 1801, 1851, 1860, 2097, 2107, 2181, 3799, 4141, 4154, 4442
NALTREXONE: 1788, 2629–2630, 4154
NANDROLONE: 1570, 2685, 2812, 3346, 3446, 3632, 4056
NAPHTHALENES: 2933
NAPROXEN: 494
NARCOTIC ANTAGONISTS: 575, 3549, 4397
NARCOTICS: 575, 610, 1477, 2630, 4141, 4157, 4428
NASAL MUCOSA: 2127, 2800
NASAL POLYPS: 2800
NASOPHARYNGEAL NEOPLASMS: 826, 2644, 3267, 3556
NASOPHARYNX: 2800
NATAL TEETH: 4228
NATIONAL HEALTH PROGRAMS: 1411
NATRIURESIS: 7, 18, 322, 458, 776, 2291, 2479, 2611, 2640, 2664, 3113, 3118, 4223, 4388
NAUSEA: 3787
NECK: 868, 1830, 2721, 3430, 4260
NECROSIS: 178, 260, 328, 523, 622, 1586, 1844, 2328, 2554, 2844, 3164, 3274, 3654, 3864, 4391
NEEDLES: 2183, 2363
NEGROID RACE: 1335, 2637, 3509
NEISSERIA GONORRHOEAE: 2561
NELSON SYNDROME: 297, 1563, 2687
NEMATODA: 3311
NEOMYCIN: 2122, 2542, 3153
NEOPLASM CIRCULATING CELLS: 874
NEOPLASM INVASIVENESS: 518, 604, 2346, 2352, 2728, 3742
NEOPLASM METASTASIS: 73, 138, 400, 469, 476, 518, 535, 538, 604, 648, 689, 716, 779, 796–797, 801, 813, 818, 850, 853, 868, 879, 973, 1039, 1074, 1102, 1156, 1163, 1222, 1331, 1342, 1390, 1575, 1585, 1650, 1816, 1867, 1920, 1967, 1984, 1988, 2059, 2093, 2099, 2155, 2357, 2412, 2420, 2452, 2558, 2606, 2638–2639, 2703, 2713, 2732, 2778, 2923, 3092, 3108, 3151, 3317, 3367, 3389, 3404, 3496, 3556, 3560, 3700, 3785, 3814, 3854, 3910, 3932, 3934, 3936, 3999, 4022, 4046, 4093, 4137, 4172, 4177, 4248, 4326
NEOPLASM PROTEINS: 127, 634, 726, 956, 1587, 3569
NEOPLASM RECURRENCE, LOCAL: 813–814, 1222, 1575, 1669, 2273, 2400, 3389
NEOPLASM REGRESSION, SPONTANEOUS: 616
NEOPLASM STAGING: 518, 538, 886, 1738, 2163, 2362, 2713–2714, 3314, 3742, 3772, 3934
NEOPLASM TRANSPLANTATION: 1867, 2504, 3395, 3513, 4245
NEOPLASMS: 118, 200, 510, 643, 745, 960, 1074, 1140, 1175, 1232, 1338, 1392, 1555, 1675, 1988, 2006, 2059, 2069, 2124, 2244, 2257, 2281, 2446, 2496, 2523, 2563, 2585–2586, 2592, 2665, 2689, 2964, 3011, 3030, 3033, 3175, 3280–3281, 3435, 3608, 3615, 3835, 4059, 4447, 4451
NEOPLASMS, EMBRYONAL AND MIXED: 692, 717, 1620, 2163
NEOPLASMS, EXPERIMENTAL: 11, 65, 493, 570, 671, 733, 917, 956, 1140, 1324, 1377, 1538, 1867, 2062, 2198, 2420, 2460, 2787, 3168, 3190, 3395, 3513, 3526, 3649, 3711, 3714, 3726, 3812, 4158, 4245
NEOPLASMS, HORMONE-DEPENDENT: 917, 2753, 3076, 3611
NEOPLASMS, MULTIPLE PRIMARY: 64, 639, 692, 740, 1047, 1338, 1490, 1738, 1765, 2771, 2994, 3119, 3216, 3814, 3836, 3964, 4260
NEOPLASMS, NERVOUS TISSUE: 3435
NEOPLASMS, RADIATION-INDUCED: 570, 2145, 2431, 3477, 3649, 3726, 3732, 3812
NEOPLASTIC ENDOCRINE-LIKE SYNDROMES: 1552, 2115, 3836
NEOSTIGMINE: 1248
NEPHRECTOMY: 333–334, 423, 824, 992, 1474, 1648, 1967, 2155, 2643, 2802, 2969, 2980, 3065, 3120, 3282, 3416, 3606, 3666, 3721, 3842, 3876, 3885, 4148, 4358
NEPHRITIS: 1922
NEPHRITIS, INTERSTITIAL: 1009
NEPHROBLASTOMA: 796, 2244, 3608
NEPHRONS: 447, 545, 3504
NEPHROTIC SYNDROME: 530, 660, 877, 1611, 1855, 2205, 2386, 2938, 3919, 4121, 4422
NERVE BLOCK: 1800
NERVE COMPRESSION SYNDROMES: 2975
NERVE DEGENERATION: 414, 1974, 3951
NERVE ENDINGS: 1194, 2816, 3456, 3921
NERVE FIBERS: 245, 527, 2243, 2367, 2622
NERVE GROWTH FACTOR: 150, 187, 273, 507, 669, 1010, 1324, 2492, 2969, 3246, 3636
NERVE REGENERATION: 273, 507, 1444, 1974
NERVE TISSUE: 1063
NERVE TISSUE PROTEINS: 39, 199, 706, 993, 1103, 1424, 1774, 1979, 2634, 2794, 2902, 3287, 3423, 3688, 4128
NERVOUS SYSTEM: 1186, 1343, 1819, 1857, 3435
NERVOUS SYSTEM DISEASES: 384, 433, 728, 1014, 1862, 2074, 4130
NESTING BEHAVIOR: 2186
NEURAL CONDUCTION: 3398
NEURAL CREST: 2787
NEURAL INHIBITION: 213, 1482, 1579, 2002, 2345, 2568, 2827, 3156, 3482, 3746
NEURAL PATHWAYS: 213, 631, 683, 792, 942, 1579, 2052, 2133, 2181, 2243, 2395, 2462, 2783, 3202, 3372, 3482, 3656, 3746, 3793, 3997, 4354, 4404
NEURAL TRANSMISSION: 213, 236, 486, 540, 792, 1218, 1380, 2192, 2345, 2351, 2484, 2633, 2827, 3110, 3598, 3914, 4117, 4176
NEURAL TUBE DEFECTS: 1724, 2148, 4399, 4425
NEURAMINIC ACIDS: 3903
NEURAMINIDASE: 204, 1698
NEURILEMMOMA: 1464, 3204, 4172
NEURITIS: 2127, 3552
NEUROBLASTOMA: 65, 575, 796, 956, 1078, 1477, 3608, 3750, 4158
NEUROCIRCULATORY ASTHENIA: 3020
NEUROFIBROMATOSIS: 1010, 1144, 3050, 3214
NEUROGLIA: 45, 1424, 2161, 2855, 2866, 3636
NEUROHUMORS: 123, 351, 426, 772, 977, 1187, 1363, 1787, 2351, 2512, 2562, 3636, 3651, 3746, 4212, 4249, 4362
NEUROLEPTANALGESIA: 907, 2008, 2643
NEUROLOGIC MANIFESTATIONS: 2074, 4265
NEUROMA: 740
NEUROMA, ACOUSTIC: 1010, 3944
NEUROMUSCULAR DISEASES: 1014, 2074
NEUROMUSCULAR JUNCTION: 52, 698, 2484, 2885, 3123, 3688
NEURONS: 65, 237, 301, 344, 367, 507, 527, 543, 637, 669, 673, 706, 748, 867, 940, 968, 1410, 1419, 1424, 1520, 1706, 1779, 1886, 2038, 2114, 2161, 2187, 2296, 2462, 2492, 2622, 2630, 2855, 2907, 2957, 2995, 3007, 3122, 3156, 3243, 3308, 3386, 3549, 3636, 3651, 3656, 3716, 3750, 3761, 3767, 3881, 3912, 3953, 4001, 4378, 4404
NEURONS, AFFERENT: 544
NEURONS, EFFERENT: 2052, 2243, 3372–3373
NEUROPHYSINS: 133, 2140, 2172, 3007, 3487
NEUROSECRETION: 367, 1194, 1690, 2522, 3007, 3695, 3971, 4069, 4352
NEUROSECRETORY SYSTEMS: 1068, 1795, 2056, 2562, 3498, 3970, 4352
NEUROSES: 123, 465
NEUROSES, OBSESSIVE-COMPULSIVE: 2011
NEUROSPORA: 1337
NEUROSPORA CRASSA: 1337
NEUROSURGERY: 376, 1436
NEUROTENSIN: 437, 977, 1417, 2749, 3533
NEUTRALIZATION TESTS: 1996
NEUTRON ACTIVATION ANALYSIS: 666, 2716
NEUTRONS: 2265
NEUTROPHILS: 890, 1180, 1316, 1594, 1680, 2100, 2658, 3395, 3476, 3727, 3737, 4029
NEVUS: 510, 1518
NEWTS: 2279
NIALAMIDE: 3847
NICKEL: 2206, 2861
NICOTINAMIDE: 3895
NICOTINE: 871, 1218, 2649, 4200
NICOTINIC ACIDS: 770, 2456, 3765
NIDATION: 1071, 1094, 2313, 2330
NIDATION, DELAYED: 2313
NIFEDIPINE: 605
NIFLUMIC ACID: 1802
NITRATES: 2049
NITRILES: 209, 621, 3383
NITRILOTRIACETIC ACID: 81

NITRITES: 1261
NITRO COMPOUNDS: 1504
NITROBENZOATES: 2861
NITROBLUE TETRAZOLIUM: 1513, 1521
NITROFURANTOIN: 1066
NITROGEN: 53, 119, 761, 1128, 1882, 2532, 3923
NITROGEN MUSTARD COMPOUNDS: 950, 2661, 4022
NITROPRUSSIDE: 376, 1211, 1523, 1548, 1832, 1880, 2049
NITROSAMINES: 3010, 3855
NITROSOUREA COMPOUNDS: 359, 2198, 4337–4338
NITROUS OXIDE: 761, 2643, 3825
NOCARDIA: 2537
NOCICEPTORS: 1786
NOISE: 201, 4308
NOMENCLATURE: 707, 2011, 2026, 2926, 3015, 3730, 4405, 4414, 4417
NONPSYCHOTIC ORGANIC BRAIN SYNDROME: 2992, 3484
NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY: 3437
NOONAN SYNDROME: 2610, 2724, 2781
NOREPINEPHRINE: 9, 46, 62, 113, 176, 190, 224, 236–237, 294, 306–307, 333–334, 343, 347, 355, 364, 381, 407, 424–425, 435, 482, 487, 540, 567, 589, 613, 624, 645, 663, 695, 725, 738, 772, 775, 804, 824, 838, 867, 871, 977, 1011, 1046–1047, 1081, 1116, 1194, 1196, 1229, 1231, 1247, 1265, 1335, 1406, 1424, 1450, 1523, 1527, 1542, 1556, 1629, 1640, 1732, 1740, 1779, 1815, 1908, 1986, 1998, 2049, 2071, 2228, 2286, 2290, 2319, 2325, 2335, 2340, 2345, 2364, 2391, 2393, 2409, 2416, 2455, 2461, 2462, 2573, 2620, 2628, 2641, 2808, 2816, 2870, 2890, 2961, 2969, 2999, 3001, 3048, 3093, 3110, 3155–3156, 3235, 3270, 3325, 3394, 3397, 3450, 3509, 3539, 3566, 3620, 3651, 3672, 3688, 3705, 3746, 3771, 3840, 3847, 3856, 3881, 3912, 4001, 4023, 4044, 4052, 4060, 4103, 4110, 4120, 4169, 4201, 4212, 4366
NORETHINDRONE: 85, 380, 1108, 1367, 1545, 1848, 1931, 1966, 2370, 2583, 3818
NORETHYNODREL: 3600
NORGESTREL: 380, 715, 720, 965, 1139, 1519, 1966, 3039, 3053, 3510
NORLEUCINE: 3729
NORMAL VALUES: 510, 745, 859, 1382, 1403, 1492, 2067, 2172, 2454, 2641, 2918, 2983, 3698, 4011, 4282
NORPREGNADIENES: 3691
NORPREGNENES: 4056
NORSYNEPHRINE: 1792
NOSE: 781, 826
NOSE NEOPLASMS: 111
NUCLEAR MAGNETIC RESONANCE: 1260, 1296, 2679, 3040, 4063
NUCLEAR MEMBRANE: 3563
NUCLEIC ACID DENATURATION: 3342
NUCLEIC ACID HYBRIDIZATION: 172, 910, 1045, 1529, 1829, 1885, 2970, 3102, 3342, 3409
NUCLEIC ACID PRECURSORS: 2218
NUCLEOPROTEINS: 634, 1075, 2203, 4114
NUCLEOSIDE DEAMINASES: 212, 2162, 4323
NUCLEOTIDASES: 101, 388, 1374, 1741, 1980, 2579, 2965
NUCLEOTIDES: 1378
NUCLEOTIDES, CYCLIC: 788, 815, 906, 919, 1064, 1378, 1799, 1810–1812, 1953, 2014, 2061, 2496, 3301, 3805, 3856
NUCLEUS ACCUMBENS: 701, 1419, 1478
NURSERIES, HOSPITAL: 74
NURSING CARE: 4197, 4445
NURSING DIAGNOSIS: 4445
NURSING HOMES: 1284
NUTRITION: 53, 218, 843, 900, 1067, 1493, 1539, 2048, 2431, 2464, 2618, 2935, 2972, 3159, 3615, 3878, 3959, 4074
NUTRITION DISORDERS: 985, 1145, 1453, 1854, 2464, 3019, 3271
NUTRITION SURVEYS: 900
NUTRITIONAL REQUIREMENTS: 119, 2048, 2935, 3959, 4383
NUTRITIVE VALUE: 2648
NYSTAGMUS: 1271, 3535
NYSTATIN: 368, 1337, 3153

O

OBESITY: 224, 351, 521, 745, 795, 962, 990, 1077, 1498, 1853, 1941, 1989, 2072, 2172, 2737, 2854, 3149, 3158, 3396, 3539, 3822, 3947, 4285, 4320
OBJECT ATTACHMENT: 690, 1968
OCCLUSIVE DRESSINGS: 1822, 3426
OCCUPATIONAL DISEASES: 1635, 3901
OCCUPATIONAL MEDICINE: 3172
OCTANES: 4169
OCTOPUS: 2942
OCULOMOTOR MUSCLES: 1271, 1809, 2467, 2530
ODONTOBLASTS: 1164, 2242, 3177
ODONTOGENESIS: 897, 1118
ODONTOMETRY: 1195
ODORS: 2011
OILS: 1302, 2312, 2765, 3850, 4377
OINTMENTS: 225, 791, 1615, 1831, 2169, 2368, 2503, 3955
OLEIC ACIDS: 3663
OLFACTORY BULB: 1202, 2827, 3951, 4240
OLFACTORY PATHWAYS: 2133, 2477
OLIGODENDROGLIOMA: 359, 3204
OLIGOMENORRHEA: 1215, 1531
OLIGOMYCIN: 2953
OLIGOPEPTIDES: 96, 121, 685, 1003, 1629, 1631, 1754, 2388, 3255–3256, 3890, 3939, 4293
OLIGOSACCHARIDES: 2216, 3255
OLIGOSPERMIA: 30, 151, 162, 525, 529, 737, 2025, 2704, 2757, 3377–3378, 3461, 3483, 3780
OLIGURIA: 1956
ONCOGENIC VIRUSES: 3615
ONIUM COMPOUNDS: 3303
ONTOGENY: 60, 452, 748, 1671, 3498
OOCYTES: 79, 223, 422, 453, 577, 1991, 2403, 2880, 3311, 3443, 4233
OOGENESIS: 79, 1991, 3311, 3443
OPHTHALMIA: 1203, 1422
OPHTHALMIC ARTERY: 3763
OPHTHALMIC SOLUTIONS: 1203, 1647, 2336, 3778
OPHTHALMOPLEGIA: 1888, 3640
OPIUM: 213, 1296
OPOSSUMS: 760, 1106
OPSONINS: 3500
OPTIC ATROPHY: 1669
OPTIC CHIASM: 1144, 3084, 3202, 3278, 4000, 4363
OPTIC DISK: 4247
OPTIC NERVE: 272, 3535, 3748
OPTIC NERVE DISEASES: 3905, 4247
OPTICAL ROTATION: 2301
OPTICAL ROTATORY DISPERSION: 2018
OPTICS: 2782
ORBIT: 753, 1135, 1551, 2530, 3701, 4275
ORBITAL NEOPLASMS: 406, 753, 1551, 1835, 2397, 4246
ORCHITIS: 1564, 2315, 2815, 3969
ORCIPRENALINE: 918, 1348, 2619
ORGAN CULTURE: 931, 1594, 1604, 1841, 2051, 2207, 2218, 2263, 2419, 2531, 2622, 2700, 2770, 2945, 3124–3125, 3557, 3565, 3833–3834, 4370
ORGAN OF CORTI: 293
ORGAN SPECIFICITY: 913, 1149, 1979, 2063, 2087, 2182, 2252, 2860, 2961, 3066, 3228–3229, 3242, 3704, 4375
ORGAN WEIGHT: 22, 25, 112, 115, 209, 247, 304, 383, 425–426, 522, 668, 747, 758, 831, 969, 1043, 1077, 1114, 1190, 1272, 1579, 1633, 1640, 1686, 1690–1691, 1720, 1723, 1744, 1936, 2089, 2111–2112, 2249, 2306, 2580, 2599, 2671, 2678, 2740, 2878, 2898, 2949, 3021, 3096, 3107, 3320, 3370–3371, 3453–3454, 3521–3523, 3655, 3965, 3982, 4002, 4018, 4024, 4372, 4377
ORGANIZATION AND ADMINISTRATION : 175, 1411
ORGANIZATIONS: 2842
ORGANOIDS: 31, 537, 863, 1448, 2106, 2778, 2871, 3392, 3680, 3731, 4364
ORGANOMERCURY COMPOUNDS: 422
ORGANOPHOSPHORUS COMPOUNDS: 1432, 1908, 2493, 2947
ORIENTATION: 4404
ORNIPRESSIN: 3445
ORNITHINE CARBAMOYLTRANSFERASE: 870
ORNITHINE DECARBOXYLASE: 96, 699, 787, 1324, 3811
OROFACIODIGITAL SYNDROMES: 3849
OROSOMUCOID: 2802
OROTIC ACID: 625, 2123
ORTHODONTIC APPLIANCES: 3329
ORTHOMOLECULAR THERAPY: 1561
ORTHOPEDIC EQUIPMENT: 2501
ORTHOPEDICS: 1007, 2501
OSMOLAR CONCENTRATION: 198, 267, 336, 501, 892, 919, 1050, 1366, 1408, 1906, 1926, 2172, 2345, 2494, 2711, 3026, 3487, 3703, 3823, 4195, 4321
OSMOSIS: 4133
OSMOTIC PRESSURE: 1017, 2358
OSSIFICATION, PATHOLOGIC: 2428, 3736
OSSIFICATION, PHYSIOLOGIC: 191, 1371, 2428
OSTEITIS DEFORMANS: 822, 1598, 2793, 3057, 3316, 3601
OSTEITIS FIBROSA CYSTICA: 736, 2659, 3684
OSTEOARTHRITIS: 1555, 1802, 2183, 3613
OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC: 1555, 3335, 4437
OSTEOBLASTS: 139, 141, 495, 2428, 3109
OSTEOCHONDRITIS: 1586
OSTEOCLASTS: 139, 141, 931, 1576, 1594, 1785, 2263, 2658, 2665, 3109, 3601, 4067
OSTEOCYTES: 141, 221, 3601
OSTEOGENESIS: 632, 897, 3124, 3963
OSTEOGENESIS IMPERFECTA: 519, 2195, 3050, 3205
OSTEOLYSIS: 221, 628, 666, 2904
OSTEOLYSIS, ESSENTIAL: 4239
OSTEOMA, OSTEOID: 129
OSTEOMALACIA: 140, 587, 627, 794, 1038, 1201, 1510, 1598, 2532, 2659, 2663, 2720, 2741, 2914–2915, 3019, 3126, 3183, 3925
OSTEOMYELITIS: 945, 4271
OSTEOPETROSIS: 182, 1315, 2837, 3166, 3644, 4125
OSTEOPOROSIS: 142, 191, 243, 579, 666, 884, 1025, 1153, 1332, 1382, 1384, 1499–1500, 1570, 1598, 1785, 1919, 2006, 2126, 2189, 2232, 2250, 2300, 2523, 2659, 2878, 2959, 3031, 3078, 3126, 3183, 3736, 3925, 4040, 4129, 4383, 4419
OSTEOSCLEROSIS: 1332, 3183
OTITIS: 3288
OTITIS EXTERNA: 563, 3153
OTORHINOLARYNGOLOGIC DISEASES: 921, 1988
OTOSCLEROSIS: 656, 3343
OUABAIN: 405, 1684, 2359, 2894, 3546
OUTPATIENT CLINICS, HOSPITAL: 786
OVALBUMIN: 572, 3903
OVARIAN CYSTS: 508, 1318, 1360, 1670, 2177, 2208, 2268, 2365, 2510, 2967, 2989, 3294, 4050, 4135
OVARIAN DISEASES: 281, 687, 1166, 1257, 1376, 1626, 1665, 2565, 2846
OVARIAN NEOPLASMS: 45, 215, 222, 382, 476, 550, 588, 604, 639, 646, 649, 671, 675, 692, 716–717, 726, 801, 935, 960, 976, 1140, 1301, 1342, 1360, 1375–1376, 1441, 1575, 1620–1621, 1626, 1675, 1797, 1826, 1846, 1861, 1927, 2060, 2273, 2293, 2392, 2410, 2420, 2457, 2510, 2513, 2541, 2594–2595, 2606, 2638, 2713–2714, 2770, 2778, 2847, 2862, 2872, 2900, 2932, 2964, 2994, 3022, 3049, 3054, 3119, 3142, 3190, 3197, 3267, 3295, 3313–3314, 3357, 3407, 3506–3507, 3532, 3608, 3646, 3649, 3665, 3824, 3952, 3956–3957, 3964, 4048, 4134, 4210, 4287, 4409, 4433, 4444
OVARY: 112, 117, 274, 279, 353, 385, 415, 453, 489, 508, 537, 606, 648, 670, 687, 711, 803, 815, 865, 911–912, 1221, 1342, 1372–1373, 1379, 1393, 1441, 1469, 1502–1503, 1558, 1626, 1690, 1694, 1751, 1764, 1834, 1836, 1840, 1875, 1894, 1937, 1991, 2031, 2050, 2106, 2125, 2182, 2186, 2216, 2230, 2382, 2392, 2417, 2421, 2434, 2447, 2487, 2504, 2513, 2529, 2655–2656, 2695, 2725, 2802, 2846–2847, 2849, 2937, 2981, 2990, 3132, 3223, 3315, 3369, 3447, 3486, 3488, 3507, 3528, 3550, 3572, 3614, 3649, 3724, 3747, 3902, 3956, 4030, 4139, 4159, 4218, 4276, 4324, 4368, 4373, 4385, 4409
OVIDUCTS: 1184, 2306
OVULATION: 23, 85, 164, 274, 395, 430, 463, 577, 815, 939, 1071, 1108, 1139, 1256, 1303, 1367, 1402, 1631, 1798, 1923, 2085, 2667, 2753, 2776, 2802, 3037, 3053, 3191, 3276, 3503, 3529, 3621, 3724, 3741, 3837, 4030, 4064, 4441
OVULATION DETECTION: 4346

OVULATION INDUCTION: 662, 947, 1943, 2262, 2424, 3128, 3154, 3276, 3499, 4298
OVUM: 79, 164, 223, 422, 577, 803, 1682, 2403, 2657, 2736, 2940
OVUM TRANSPORT: 1582
OXACILLIN: 2136
OXADIAZOLES: 3036
OXALATES: 821, 2141, 4302
OXAPROSTYNOIC ACIDS: 2382, 2870
OXAZINES: 2075
OXAZOLES: 731, 777
OXAZOLONE: 4344
OXIDATION-REDUCTION: 25, 149, 170, 311, 375, 2084, 2788, 3425, 3853, 3892, 3920, 4095, 4234, 4238, 4289
OXIDATIVE PHOSPHORYLATION: 135, 1572, 1643, 2073, 2963, 3722, 3757, 3921, 4095, 4234, 4289
OXIDOREDUCTASES: 339, 408, 802, 1292, 1397, 1946, 2032, 2075, 2106, 2544, 2705, 3015, 3451, 3649, 3904, 3979, 4078, 4095
OXPRENOLOL: 1205
OXYFEDRINE: 4367
OXYGEN: 355, 359, 607, 927, 1181, 1503, 1681, 1975, 2045, 2917, 3920, 3923, 4163
OXYGEN CONSUMPTION: 220, 435, 446, 724, 909, 1181, 1311, 1486, 1572, 1708, 1882, 2008, 2073, 2087, 2128, 2254, 2288, 2441, 2963, 3032, 3237, 3263, 3521, 3605, 3722, 3731, 3926, 4092, 4095, 4243, 4249–4250, 4289, 4296
OXYGEN INHALATION THERAPY: 148
OXYGEN ISOTOPES: 927
OXYGEN RADIOISOTOPES: 2371
OXYPHENBUTAZONE: 494, 1802
OXYTETRACYCLINE: 983, 1911
OXYTOCICS: 2906, 3009
OXYTOCIN: 33, 80, 240, 249, 314, 501, 524, 679, 702, 725, 763, 838, 938, 968–969, 1002, 1177, 1286, 1295, 1589, 2153, 2172, 2192, 2332, 2361, 2437, 2494, 2556, 2782, 2853, 2858, 2906–2907, 3009, 3036, 3148, 3463, 3674, 3847, 3882, 4190, 4256
OXYTOCINASE: 1971, 3463

P

PACEMAKER, ARTIFICIAL: 3106
PAGET'S DISEASE OF BREAST: 469
PAIN: 213, 1275, 1786, 2105, 2125, 2183, 2339, 2602, 2666, 3317, 4098, 4117, 4141, 4176
PAIN, INTRACTABLE: 2244, 2585–2586
PAINT: 1693
PALATE: 2724
PALEOPATHOLOGY: 1960
PALLIATIVE TREATMENT: 128, 207, 658, 1599, 1967, 2244, 2585
PALPATION: 813, 2667, 2893
PANCREAS: 144, 437, 882, 1063, 1502, 1754, 1875, 2095, 2398, 2411, 2414, 2844, 3038, 3221, 3247, 3514, 3810, 3978, 4147, 4206, 4252
PANCREATECTOMY: 2095, 3038
PANCREATIC CYST: 1405
PANCREATIC DISEASES: 1058, 2844
PANCREATIC DUCTS: 2095
PANCREATIC EXTRACTS: 2411
PANCREATIC HORMONES: 4028
PANCREATIC JUICE: 2801, 4252
PANCREATIC NEOPLASMS: 64, 874, 917, 1833, 1932, 2363, 3268, 3395, 3836, 3916
PANCREATIC POLYPEPTIDE: 437, 1063
PANCREATITIS: 745, 997, 1405, 2414, 3534
PANCURONIUM: 477, 867, 3755
PANCYTOPENIA: 1540, 4304
PAPAIN: 4278
PAPAVERINE: 663, 2322, 4138
PAPER: 773
PAPILLARY MUSCLES: 462, 2206, 2677
PAPILLEDEMA: 4247
PAPIO: 1280, 3861
PARA-AORTIC BODIES: 1816
PARAGANGLIOMA: 3836
PARALYSIS: 2074, 4453
PARALYSIS, BULBAR: 2126
PARAMECIUM: 883
PARAMETHASONE: 2690
PARANASAL SINUS DISEASES: 560
PARANASAL SINUS NEOPLASMS: 560
PARANASAL SINUSES: 2800
PARAPLEGIA: 579, 4337
PARASITIC DISEASES: 433, 2563
PARASYMPATHETIC NERVOUS SYSTEM: 280, 669, 2304, 2492, 2622
PARASYMPATHOLYTICS: 2852, 3036, 3786
PARASYMPATHOMIMETICS: 714, 1191, 1438, 1702, 2100, 2800, 4229
PARATHION: 831
PARATHYROID DISEASES: 44
PARATHYROID GLANDS: 184, 186, 300, 794, 863, 949, 952, 1038, 1061, 1109, 1130, 1250, 1418, 2103, 2218, 2489, 2672, 2683, 3005, 3087, 3225, 3320, 3440, 3725, 3816, 3937, 4255, 4316, 4328–4330, 4379, 4393
PARATHYROID HORMONE: 95, 221, 342, 548, 568, 571, 579, 691, 736, 755, 882, 952, 1251, 1329, 1361, 1418, 1434, 1576, 1591, 1785, 1793, 1853, 1879, 1902, 1951, 1987, 2217–2218, 2252, 2491, 2560, 2605, 2665, 2686, 2772, 2903–2904, 3051, 3099, 3117, 3124–3125, 3225, 3269, 3320, 3354, 3398, 3420, 3459, 3536, 3723, 3811, 3816, 3937, 4053, 4067, 4075, 4248, 4279, 4316, 4328–4330, 4379, 4450
PARATHYROID NEOPLASMS: 64, 863, 949, 1879, 3420, 3534, 3684, 3725
PARATUBERCULOSIS: 2132
PARAVENTRICULAR NUCLEUS: 59, 61, 237, 1033, 1185, 2544, 2969, 3372, 3474, 3768, 3971, 4352
PARENT-CHILD RELATIONS: 686, 2540, 4180
PARENTERAL FEEDING: 335, 342, 1128
PARENTERAL HYPERALIMENTATION: 335, 1128
PARENTS: 1889
PARGYLINE: 1081, 1792, 2174, 2393, 3001, 3047, 3973
PARIETAL LOBE: 2288
PARITY: 91, 396, 449, 1727, 1943, 2858, 3407
PARKINSON DISEASE: 224, 612, 1127, 2126, 3141, 3527, 4426
PAROTID GLAND: 1438, 2852, 3100, 3432, 3810, 4127
PAROTID NEOPLASMS: 4172
PAROTIN: 150, 2587
PARTIAL PRESSURE: 1975
PARTURIENT PARESIS: 1591
PATAS MONKEYS: 3290
PATIENT ACCEPTANCE OF HEALTH CARE: 1074, 4217
PATIENT CARE PLANNING: 3244
PATIENT CARE TEAM: 985, 1074
PATIENT COMPLIANCE: 1074, 3645
PATIENT DROPOUTS: 697
PATIENT ISOLATION: 368
PATIENT PARTICIPATION: 1074
PATIENTS: 1074, 2632, 2912
PEAK EXPIRATORY FLOW RATE: 3172
PEANUTS: 1302, 2312, 2786
PEDIATRICS: 2000, 2170
PEDIGREE: 116, 318, 799, 1032, 1406, 1413, 2295, 2444, 2888, 2959, 3085, 3343, 3375, 3559, 3596, 3728, 3849, 3902, 4066
PELVIC BONES: 50, 587, 2720
PELVIC NEOPLASMS: 550, 3507, 3646, 4134
PELVIMETRY: 830, 2556
PELVIS: 1058, 1574, 2125, 2271, 2893, 3554, 4048
PEMPHIGUS: 806, 1400, 1654, 2229, 2321, 2584, 2836, 3702
PENICILLAMINE: 1008, 2574
PENICILLIN G: 2136, 4258
PENICILLINS: 3176, 4257
PENILE DISEASES: 1730
PENIS: 913, 1753, 1777, 1883
PENTAGASTRIN: 95, 691, 2982
PENTAMIDINE: 826
PENTAZOCINE: 207, 1007
PENTOBARBITAL: 103, 199, 403, 701, 939, 1101, 1894, 2633, 2768, 3103, 3998, 4229
PENTOSEPHOSPHATES: 3979
PENTOSES: 925, 4333
PENTOSYLTRANSFERASES: 1681
PENTYLENETETRAZOLE: 190, 2682, 3634
PEPSIN: 1545
PEPSINOGEN: 987, 2083
PEPSTATINS: 1003
PEPTIC ULCER: 8, 102, 324, 869, 2478, 2564, 2801, 3988
PEPTIC ULCER HEMORRHAGE: 2478
PEPTIDE FRAGMENTS: 623, 755, 1252, 1619, 1663, 1674, 1902, 2214, 2219, 2365, 2605, 2608, 2772, 2859, 2861, 3131, 3412, 3557, 3647, 3788, 4054, 4075, 4124, 4318, 4405
PEPTIDE HYDROLASES: 130, 911, 919, 1278, 1658, 1947, 2154, 2156, 3755
PEPTIDE INITIATION FACTORS: 2824
PEPTIDE PEPTIDOHYDROLASES: 39, 541, 3794
PEPTIDES: 39, 165, 244, 269, 721, 785, 977, 1070, 1133, 1194, 1364, 1417, 1448, 1754, 1769, 1850–1851, 2135, 2366, 2450, 2601, 2743, 2749, 2953, 3413, 3530, 3727, 3746, 3833, 3861, 4072, 4237
PEPTIDES, CYCLIC: 3069
PERCEPTUAL DISORDERS: 1614
PERCHLORIC ACIDS: 3949
PERFUSION: 405, 625, 1036, 1105, 1387, 1402, 1926, 2147, 2157, 2788, 3113, 3341, 3680, 3838, 3923, 4201
PERICARDIAL EFFUSION: 4172
PERICARDITIS: 3233
PERICARDITIS, CONSTRICTIVE: 1794
PERINATOLOGY: 1671, 4408
PERIODIC ACIDS: 170
PERIODICALS: 1661, 4446
PERIODICITY: 103, 115, 134, 208, 252, 1294, 1311, 1392–1393, 1558, 1602, 1690, 1720, 2077, 3132, 3257, 4074, 4215, 4241
PERIODONTAL DRESSINGS: 1457
PERIODONTITIS: 1460
PERIODONTIUM: 1185, 2457, 2466
PERIOSTEUM: 495, 3963
PERIOSTITIS: 3183
PERIPHERAL NERVE DISEASES: 271
PERIPHERAL NERVE NEOPLASMS: 1010
PERIPHERAL NERVES: 1504, 1913, 2127, 2633, 3552
PERIPLANETA: 1218
PERISTALSIS: 3931
PERITONEAL CAVITY: 991, 1058, 1991, 2166, 2994, 3599
PERITONEAL DIALYSIS: 1109, 1796, 3161
PERITONEAL DISEASES: 2150, 3599
PERITONEAL FLUID: 330, 1796, 3034
PERITONEAL NEOPLASMS: 797, 1846
PERITONEOSCOPY: 508
PERITONEUM: 2095
PERMEABILITY: 3495
PEROXIDASES: 11, 177, 768, 1532, 2601, 2929, 3578, 3853, 4010
PERPHENAZINE: 4226
PERSONALITY: 2202, 2540, 2681, 4268
PERSONALITY DEVELOPMENT: 690, 1172
PERSONALITY DISORDERS: 409, 465, 690, 1245, 2707
PERSONALITY INVENTORY: 1624
PERSONNEL MANAGEMENT: 1123
PERSONNEL SELECTION: 1123
PERSONNEL STAFFING AND SCHEDULING: 175
PERTUSSIS VACCINE: 1525
PESTICIDE RESIDUES: 642
PESTICIDES: 880
PETROLEUM: 2337
PHAGOCYTES: 1359, 1877
PHAGOCYTOSIS: 373, 448, 729, 890, 1087, 1448, 1521, 2100, 3264, 3500, 3737
PHALLOIDINE: 96
PHARMACIES: 4447
PHARMACOLOGY: 2225
PHARYNGEAL DISEASES: 2327
PHARYNGEAL NEOPLASMS: 1443, 2327
PHARYNGECTOMY: 1443
PHARYNX: 1443, 2127
PHENACETIN: 2929, 3219
PHENANTHROLINES: 216, 1681
PHENETHANOLAMINE N-METHYLTRANSFERASE: 817, 2961, 3180, 4347
PHENETHYLAMINES: 168, 3001
PHENIPRAZINE: 3112
PHENOBARBITAL: 190, 205, 339, 1803, 2198, 2220, 2682, 2750, 2909, 3260, 3425, 3923
PHENOLS: 2542
PHENOTHIAZINE TRANQUILIZERS: 3286
PHENOTHIAZINES: 1686, 3733
PHENOTYPE: 401, 680, 707, 781, 1151, 1337, 1372, 1604, 2208, 2334, 2444, 2777, 2845, 2964, 3142, 3197–3198, 3470, 3596, 3641, 3773, 3852, 4153, 4189, 4218
PHENOXYBENZAMINE: 334, 497, 951, 1380,

1634, 2364, 2416, 3103, 3394, 3999, 4001, 4023, 4041, 4120, 4140
PHENTOLAMINE: 14, 28, 462, 497, 645, 695, 738, 951, 1219, 1265, 1283, 1664, 1714, 1881, 1939, 2290, 2649, 3103, 3110, 3270, 3544, 3582
PHENYL ETHERS: 775, 2575
PHENYLACETATES: 2775, 3973
PHENYLALANINE: 810, 1137, 1573, 2692
PHENYLALANINE HYDROXYLASE: 810
PHENYLBUTAZONE: 739, 1521, 1802, 2804, 3827, 3988
PHENYLENEDIAMINES: 3892
PHENYLEPHRINE: 695, 1196, 2649, 3998, 4185
PHENYLKETONURIA: 3251, 4156
PHENYLPROPIONATES: 3766
PHENYLTHIOUREA: 2794
PHENYTOIN: 205, 2062, 2198, 2485, 2718, 3260, 3263, 3823, 3914, 4078
PHEOCHROMOCYTOMA: 40, 273, 497, 507, 694, 740, 1046–1047, 1231, 1267, 1324, 1406, 1552, 1563, 1632, 1765, 1816, 1978, 2012, 2071, 2241, 2522, 2615, 2641, 2699, 2816, 2968, 3106, 3214, 3238, 3638, 3836, 3999, 4041, 4196
PHEROMONES: 1288, 1505, 2427, 2434, 2753, 3055
PHIALOPHORA: 1700
PHLEBOGRAPHY: 1135, 1515, 1552, 2125, 3393, 3610, 4390
PHLEBOTOMUS: 262
PHLORETIN: 482, 2855
PHOBIAS: 2011
PHONATION: 3431
PHORBOL ESTERS: 4029
PHORBOLS: 1935
PHOSPHATES: 95, 142, 210, 300, 342, 459, 571, 711, 727, 1082, 1260, 1329, 1396, 1473, 1598, 1630, 1793, 2120, 2252, 2425, 2904, 3051, 3091, 3099, 3162, 3215, 3231, 3289, 3301, 3428, 3736, 3815, 3908, 3983, 4112, 4306, 4339, 4379, 4438
PHOSPHATIDATE PHOSPHATASE: 3258
PHOSPHATIDYLCHOLINES: 511, 1912, 3258, 4071
PHOSPHINES: 2947
PHOSPHOCREATINE: 1643, 3524
PHOSPHODIESTERASE INHIBITORS: 614, 1208, 1795, 1954, 3041, 3411, 3733, 4128, 4160
PHOSPHODIESTERASES: 526, 1352, 1466, 1747, 2014, 3041
PHOSPHOENOLPYRUVATE: 3013, 3993
PHOSPHOENOLPYRUVATE CARBOXYKINASES: 107, 572, 1287, 2727
PHOSPHOFRUCTOKINASE: 414, 1190, 3218
PHOSPHOGLUCOMUTASE: 2932, 4323
PHOSPHOGLUCONATE DEHYDROGENASE: 2932, 4323
PHOSPHOLIPASE: 133, 329, 911, 1786, 2332, 2698, 3616, 4071
PHOSPHOLIPIDS: 133, 302, 788, 989, 1225, 1397, 1545, 1912, 2184, 2370, 2437, 2698, 2775, 3258, 3304, 3338, 3521, 3569, 3605, 3897
PHOSPHOMONOESTERASES: 607, 664
PHOSPHONOACETIC ACID: 2212
PHOSPHOPEPTIDES: 1260
PHOSPHOPROTEIN PHOSPHATASES: 664, 872, 1907, 3726, 4020
PHOSPHOPROTEINS: 711, 788, 872, 956
PHOSPHORUS: 8, 119, 226, 470, 548, 552, 579, 822, 1038, 1212, 1499, 1655, 1983, 2048, 2103, 2154, 2500, 2532, 2829, 3051, 3067, 3109, 3117, 3289, 3324, 3410, 3713, 4067
PHOSPHORUS RADIOISOTOPES: 1175, 2994
PHOSPHORYLASE A: 2146, 3073
PHOSPHORYLASE KINASE: 664
PHOSPHORYLASE PHOSPHATASE: 4020
PHOSPHORYLATION: 19, 99, 559, 616, 664, 872, 906, 956, 1103, 1454, 1528, 1676, 1760, 1887, 2323, 2411, 2764, 2902, 2942, 3075, 3218, 3423, 3553, 3714, 4312
PHOSPHOTRANSFERASES, ATP: 1372, 2861
PHOTIC STIMULATION: 878, 1139, 2833
PHOTOCHEMOTHERAPY: 3426, 4119
PHOTOGRAPHY: 2053
PHOTOLYSIS: 26, 602, 1836
PHOTOMETRY: 1521, 1978, 2063
PHOTOPHOSPHORYLATION: 3920
PHOTORECEPTORS: 2833, 2866
PHOTOSENSITIZATION: 3210
PHOTOSYNTHESIS: 3920
PHYSARUM: 1572, 2299
PHYSICAL CONDITIONING, ANIMAL: 573, 2963
PHYSICAL EXAMINATION: 4179
PHYSICAL FITNESS: 1123
PHYSICAL STIMULATION: 4187
PHYSICAL THERAPY: 1112, 2021, 2804, 4097
PHYSICIAN-PATIENT RELATIONS: 1074, 1132, 2170
PHYSICIANS: 1379
PHYSICIAN'S ROLE: 3959
PHYSIOLOGY: 1346, 2222, 2980
PHYSOSTIGMINE: 792, 1101, 3900
PHYTOHEMAGGLUTININS: 1208, 1813, 2044, 2680, 2786, 3285, 3644, 3657, 4242
PHYTOSTEROLS: 2516
PIA MATER: 3270
PIGEONS: 2038–2040, 3675
PIGMENT EPITHELIUM OF EYE: 3209, 3797, 4247
PIGMENTATION: 401, 680, 3791
PIGMENTATION DISORDERS: 1428, 1518, 2938
PILOCARPINE: 871, 3679
PILOT PROJECTS: 2661
PIMOZIDE: 206, 2391, 3088, 3798, 4069, 4213
PINDOLOL: 462, 1958, 2381
PINEAL BODY: 176, 208, 470, 527, 754, 849, 878, 1033, 1277, 1651, 1726, 1841, 1847, 1921, 2058, 2166, 2171, 2367, 2480, 2512, 2601, 2634, 2652, 2700, 2766, 2866, 2930, 3005, 3252–3253, 3257, 3444, 3625, 3651, 3866, 4032–4033, 4074, 4362–4363
PINEALOMA: 1159, 1992, 3169, 3204, 3910, 4230
PIPECOLIC ACIDS: 1936
PIPERAZINES: 789, 3069, 3236, 4213
PITUITARY-ADRENAL FUNCTION TESTS: 862, 1134, 1476, 1743, 2031, 2614, 3792
PITUITARY-ADRENAL SYSTEM: 354, 370, 438, 693, 762, 800, 962, 1365, 1476, 1506, 1752, 1822, 1893, 1937, 2031, 2143, 2735, 3163, 3299, 3789, 3886, 4018
PITUITARY DISEASES: 560, 1144, 1926
PITUITARY FUNCTION TESTS: 2569, 3084, 3535
PITUITARY GLAND: 54, 192, 248, 267, 287, 308, 345, 428, 460, 502, 537, 592, 606, 721, 725, 754, 766, 808, 854, 916, 988, 1026, 1063, 1110, 1112, 1114, 1157, 1173, 1249, 1303, 1345, 1363, 1392–1393, 1434, 1436, 1462, 1502, 1578, 1834, 1865, 1970, 2032, 2111–2112, 2164, 2248, 2284, 2330, 2352, 2562, 2737, 2856, 2897, 2899, 2949, 2980, 3086, 3122, 3223, 3528, 3538, 3579, 3647, 3659, 3682, 3695, 3774–3776, 3791, 3971, 4037, 4186, 4195, 4208, 4303, 4324
PITUITARY GLAND, ANTERIOR: 27, 195, 202, 248, 524, 528, 749, 1173, 1194, 1240, 1364–1365, 1407, 1583, 1669, 1687, 1898, 1980, 2029, 2098, 2123, 2207, 2223, 2262, 2569, 2672, 2701, 2756, 2762, 2791, 2921, 2945, 2993, 3306, 3492, 3557, 3656, 3681, 3691, 3699, 3813, 3987, 4122, 4164, 4184, 4317
PITUITARY GLAND, POSTERIOR: 56, 133, 938, 1173, 1380, 1452, 2077, 2101, 2172, 2709, 2856, 3007, 3012, 3287, 3653, 3921, 3970, 4317
PITUITARY HORMONE RELEASING HORMONES: 162, 195, 428, 946, 1345, 1426–1427, 1614, 4166, 4432
PITUITARY HORMONES: 1361, 1475, 1783, 1905, 2077, 3020, 3122, 3261, 4069, 4186
PITUITARY HORMONES, ANTERIOR: 304, 744, 2191, 3306
PITUITARY HORMONES, POSTERIOR: 838, 2414, 3007
PITUITARY IRRADIATION: 1401, 2318, 3685
PITUITARY NEOPLASMS: 64, 297, 359, 560, 581, 829, 1014, 1026, 1401, 1464, 1644, 1669, 2113, 2143, 2147, 2346, 2352, 2458, 2644, 2646, 2687, 2693, 2712, 2728, 2761, 2831, 2958, 3171, 3181, 3189, 3204, 3278, 3435, 3452, 3480, 3650, 3792, 3889, 3945, 3948, 3966, 3975, 4045, 4094, 4116, 4442
PITUITRIN: 2414
PLACEBOS: 9, 336, 479, 605, 696, 887, 1205, 1381, 1535, 2042, 2176, 2228, 2361, 2400, 2451, 2542, 3173, 3501, 3703
PLACENTA: 22, 160, 220, 240, 247, 330, 337, 348, 375, 383, 439, 456, 483, 526, 642, 732, 752, 790, 830, 846, 971, 998, 1355, 1369, 1374, 1573, 1681, 1724, 1854, 1894, 1905, 1964, 2034, 2264, 2425, 2447, 2470, 2543, 2723, 2838, 3347, 3369, 3382, 3399, 3607, 3674, 3678, 3689, 3718, 3835, 3852, 3888, 4009, 4170, 4174, 4219, 4286, 4323, 4372
PLACENTA DISORDERS: 160, 220, 233, 296, 348, 404, 732, 914, 1605, 1608, 1727, 2034, 2675, 3025, 3184, 3259, 3463, 3674, 3689, 3709, 4113, 4263, 4371–4372
PLACENTA PRAEVIA: 3184
PLACENTAL FUNCTION TESTS: 254, 1093, 1476, 4286
PLACENTAL HORMONES: 689, 3888
PLACENTAL INSUFFICIENCY: 404, 732, 841, 1608, 4372
PLACENTAL LACTOGEN: 214, 726, 860, 957, 1403, 1409, 1649, 1722, 1971, 2044, 2543, 3468, 3843, 3882, 4011, 4188, 4198
PLANT EXTRACTS: 3841
PLANT PROTEINS: 2550
PLANTS: 1, 337, 882, 1306, 2021, 2407, 2762, 2859, 4259, 4316, 4350
PLASMA CELLS: 2116, 4242
PLASMA VOLUME: 319, 805, 3237
PLASMACYTOMA: 3821
PLASMAPHERESIS: 467, 658, 757, 970
PLASMIDS: 2160, 2694
PLASMINOGEN: 770, 1125
PLASMINOGEN ACTIVATORS: 770, 1125, 3179, 3212, 3264, 3491, 4029
PLASTOCYANIN: 3920
PLATELET ADHESIVENESS: 1435, 4183
PLATELET AGGREGATION: 99, 120, 147, 329, 410, 446, 1080, 1182, 1189, 1224, 1298–1299, 1357–1358, 1435, 1451, 1468, 1664, 2003, 2162, 2179, 2603–2604, 2788, 2803, 2923, 3575, 3992, 4142–4143, 4171, 4183, 4222
PLATELET FACTOR 3: 1400
PLATELET FACTOR 4: 2139
PLATINUM: 1301, 3903, 4433
PLATINUM DIAMMINODICHLORIDE: 960, 1301
PLETHYSMOGRAPHY: 1855
PLETHYSMOGRAPHY, IMPEDANCE: 2730
PLEURAL DISEASES: 2338
PLEURAL EFFUSION: 797, 1095, 2338, 2844, 3283
PLEURAL NEOPLASMS: 3797
PLEURISY: 362, 823, 1340, 2136, 3283, 3827, 4337
PLUTONIUM: 315
PNEUMOCOCCAL INFECTIONS: 3305
PNEUMOCONIOSIS: 1944
PNEUMOENCEPHALOGRAPHY: 1918, 2259, 2693, 3535, 3792, 4094
PNEUMONECTOMY: 3092, 3606, 4042
PNEUMONIA: 1348, 2920, 3044, 3854
PNEUMONIA, ASPIRATION: 148
PNEUMORADIOGRAPHY: 2893, 4048
PODOPHYLLIN: 890, 1142, 2924
PODOPHYLLOTOXIN: 999, 3357
POISONING: 433, 576, 712, 3161
POKEWEED MITOGENS: 2044, 2270, 3657
POLIOMYELITIS: 1014
POLIOVIRUS: 2814
POLOXALENE: 3153
POLY A: 910, 1396, 1529, 1716, 1829, 1885, 2762, 3409
POLY C: 1378
POLY I-C: 2824, 4315
POLY U: 1378
POLYAMINES: 4108
POLYCHLOROBIPHENYL COMPOUNDS: 2656, 4410
POLYCHONDRITIS, RELAPSING: 921, 3916
POLYCYCLIC HYDROCARBONS: 570, 3328
POLYCYTHEMIA: 4394
POLYENES: 2752, 2917, 3493
POLYETHYLENE GLYCOLS: 53, 1158, 1409
POLYGLUTAMIC ACID: 1448
POLYISOPRENYL PHOSPHATE SUGARS: 2306
POLYMERS: 1544, 3168
POLYMORPHISM (GENETICS): 651, 680, 2195, 2486, 2888, 3800, 3989, 4189, 4323
POLYMYALGIA RHEUMATICA: 1347, 2066
POLYMYXIN B: 1680, 2122
POLYMYXINS: 1680
POLYNEURITIS: 3821
POLYOMAVIRUSES: 1884
POLYPHLORETIN PHOSPHATE: 482, 1806, 2807
POLYPLOIDY: 2208, 3206
POLYPS: 2644

POLYRADICULONEURITIS: 874
POLYRIBOSOMES: 559, 2090, 2366, 2692, 3409, 3686
POLYSACCHARIDES: 3324, 3820
POLYSACCHARIDES, BACTERIAL: 1244, 2653, 4227, 4327
POLYTHIAZIDE: 952, 2435
POLYURIA: 1362
POLYVINYL CHLORIDE: 3468
POLYVINYLPYRIDINE N-OXIDE: 1244
POLYVINYLPYRROLIDONE: 1565, 3599
PONS: 1186, 1959, 2052, 2133, 2783, 3642
POPULATION SURVEILLANCE: 2914
PORIFERA: 2102
PORPHYRIA: 1266, 3916
PORTACAVAL ANASTOMOSIS: 4144
PORTAL SYSTEM: 1502
PORTAL VEIN: 291, 1211, 1932, 3200, 3950, 4147
POSTGASTRECTOMY SYNDROMES: 3019
POSTMORTEM CHANGES: 282, 3297
POSTOPERATIVE CARE: 581, 935, 1128, 1222, 1443, 2143, 2595, 3169, 3244
POSTOPERATIVE COMPLICATIONS: 102, 296, 581, 797, 814, 835, 869, 1130, 1188, 1201, 1443, 1610, 1712, 2001, 2582, 2683, 2742, 2780, 3183, 3244, 3440, 3446, 3560, 3706, 3759, 4045, 4211, 4285
POSTOPERATIVE PERIOD: 2712, 4070
POSTURE: 15, 328, 734, 839, 1012, 1047, 1116, 1288, 1464, 1629, 2863, 3141, 3309, 3400, 3719, 4282, 4388
POTASSIUM: 18, 80–81, 100, 186, 319, 322, 381, 405, 458–459, 543, 585, 703, 792, 883, 992, 1015, 1050, 1103, 1304, 1467, 1473–1474, 1495, 1499, 1523, 1530, 1583, 1591, 1630, 1684, 1757, 1917, 1924, 2285, 2345, 2347, 2355, 2358–2359, 2484, 2511, 2535, 2608, 2640, 2660, 2662, 2744, 2752, 2879, 2894, 2899, 2935, 3067, 3100, 3118, 3123, 3303–3304, 3326, 3364, 3410, 3434, 3467, 3516, 3541, 3546, 3579, 3713, 3761, 3840, 3949, 4061, 4073, 4133, 4185, 4231, 4294, 4321, 4379, 4453
POTASSIUM CHLORIDE: 559, 663, 951, 1709, 3679
POTASSIUM DEFICIENCY: 992, 2197, 3326
POTASSIUM DICHROMATE: 250
POTASSIUM IODIDE: 718, 2239, 3136, 3628, 3949
POULTRY: 1493, 4083
POULTRY DISEASES: 4083
POVIDONE-IODINE: 3599
PRACTOLOL: 2381, 3110
PRAZOSIN: 1072, 2435, 3275
PREALBUMIN: 1659, 1668, 1710, 3222, 3281
PREANESTHETIC MEDICATION: 786, 1007, 1018, 1101, 2524
PRECANCEROUS CONDITIONS: 397, 1338, 1428, 1639, 1671, 1675, 2244, 2504, 2713
PRECIPITIN TESTS: 2993, 3347–3348
PRECIPITINS: 2025
PREDATORY BEHAVIOR: 2333
PREDNISOLONE: 257, 289, 400, 412, 458, 539, 681, 827, 869, 887, 1167, 1350, 1521, 1553, 1915, 1940, 2001, 2122, 2270, 2311, 2336, 2341, 2600, 2666, 2669, 2690, 3161, 3217, 3413, 3595, 3763, 3871, 3933, 3958, 4099, 4283, 4305, 4307, 4326, 4336–4338, 4374, 4398
PREDNISOLONE, TOPICAL: 3438
PREDNISONE: 102, 152, 262, 368, 530, 549, 554, 618, 681, 791, 857, 890, 921, 999, 1075, 1086, 1095, 1160, 1347, 1423, 1430, 1729, 1888, 1897, 1922, 2066, 2091, 2229, 2314, 2321, 2386, 2482, 2507, 2642, 2710, 2771, 2820, 2920, 2938, 2997, 3166, 3274, 3359–3360, 3390, 3518, 3525, 3592, 3637, 3645, 3664, 3699, 3706, 3715, 3742, 3864, 3919, 3933, 3958, 4239, 4304, 4376, 4422, 4452
PRE-ECLAMPSIA: 247, 660, 2208, 3184, 4286
PREGNADIENEDIOLS: 2670
PREGNADIENES: 197, 609, 994, 1321, 2756, 4423
PREGNADIENETRIOLS: 3827
PREGNANCY: 22, 71, 76, 83, 90, 97, 119, 122, 131, 139, 159–160, 212, 214, 220, 222, 233, 240–241, 247, 249, 254, 274, 296, 314, 330–331, 337, 348, 353–354, 356, 375, 383, 396, 398, 404, 417–418, 420, 439, 441, 473, 475, 478, 480, 483, 497, 501, 505, 508–509, 511, 518, 526, 546, 549, 565–566, 586–587, 591–592, 603, 608, 641–642, 646, 650, 654, 660, 662, 679, 686–687, 702, 708, 713, 715, 718, 728, 731–732, 747, 752, 763, 790, 830–831, 834, 841, 846, 858–859, 876, 893, 903, 910, 914, 930, 946–947, 955, 957, 966, 971, 979, 998, 1002, 1014, 1018, 1020–1021, 1032, 1054, 1057, 1071, 1090, 1093, 1132, 1141, 1145, 1152, 1154, 1166, 1168–1170, 1176–1177, 1223, 1226, 1261, 1264, 1270, 1282, 1295, 1310, 1312, 1327, 1354–1355, 1369–1370, 1374, 1379, 1381, 1395, 1398–1399, 1403–1404, 1409, 1411, 1432, 1434, 1445–1447, 1486, 1492, 1519, 1524, 1538, 1582, 1587, 1589, 1603–1606, 1608, 1635, 1644, 1649, 1671–1672, 1681, 1699, 1712, 1722, 1727, 1741–1742, 1752, 1761, 1783, 1834, 1854, 1857, 1864, 1868, 1892, 1894, 1897, 1901, 1905, 1930, 1938, 1943, 1964, 1971, 1976, 1985, 1990, 1997, 2034, 2036, 2044, 2083–2084, 2093, 2099, 2104, 2116, 2118, 2128, 2148, 2208–2209, 2221, 2227, 2229, 2253, 2264, 2271, 2282, 2313, 2330, 2332, 2341, 2361, 2384, 2387, 2390, 2421, 2425, 2434, 2439–2440, 2447, 2470, 2487, 2496, 2505, 2516, 2543, 2548, 2554, 2556, 2558, 2563, 2576, 2578–2579, 2581, 2589, 2592, 2624, 2675, 2700, 2723, 2736, 2750, 2753, 2756, 2761, 2779, 2781, 2790, 2797–2798, 2814, 2838, 2849, 2853, 2858, 2872, 2906, 2924, 2955, 2967, 2985, 2992, 3009, 3025, 3036, 3046, 3049, 3053, 3055, 3067, 3104–3105, 3111, 3120, 3128, 3146, 3148, 3171, 3182, 3184–3185, 3191, 3220, 3226, 3230, 3234, 3251, 3258–3259, 3261, 3276, 3291, 3294, 3300, 3305, 3330, 3344–3345, 3347, 3350, 3365, 3369, 3374, 3380, 3382, 3391, 3399, 3407, 3414, 3442, 3454, 3463, 3465, 3468, 3490, 3499, 3512, 3526, 3535, 3558, 3568, 3572, 3577, 3580, 3583, 3591, 3607, 3614, 3620–3621, 3624, 3665, 3674, 3678, 3682, 3689, 3698, 3702, 3709, 3718, 3748, 3752, 3754, 3756, 3769, 3798, 3810, 3828–3829, 3835, 3837, 3843–3844, 3852, 3858, 3860, 3869, 3872, 3878, 3881, 3888, 3917, 3959, 3979, 4009, 4011–4012, 4079, 4088, 4096, 4108, 4113, 4126, 4130, 4139, 4170–4171, 4174, 4177–4178, 4188, 4190, 4197–4198, 4219, 4224, 4256, 4263, 4282, 4285–4286, 4323, 4371–4372, 4384–4385, 4389, 4399, 4408–4410, 4425–4426, 4428, 4436, 4440
PREGNANCY, ABDOMINAL: 2853
PREGNANCY, ANIMAL: 417–418, 449, 566, 731, 979, 2282, 2709, 2756, 2798, 3290–3291, 3369, 3591, 3858, 3878, 3881–3882, 4088, 4126, 4170
PREGNANCY COMPLICATIONS: 214, 296, 420, 433, 439, 497, 549, 587, 646, 708, 718, 834, 957, 1014, 1370, 1445, 1649, 1727, 1894, 1901, 2036, 2093, 2177, 2431, 2554, 2750, 2797, 2872, 2955, 2967, 3046, 3148, 3184, 3251, 3294, 3330, 3365, 3535, 3678, 3702, 3756, 3828, 3835, 3881, 4113, 4198, 4399
PREGNANCY COMPLICATIONS, CARDIOVASCULAR: 404, 955, 1057, 1355, 2118, 2675, 3184, 4178, 4286
PREGNANCY COMPLICATIONS, HEMATOLOGIC: 763, 1057, 1897, 3184–3185, 3251
PREGNANCY COMPLICATIONS, INFECTIOUS: 398, 1166, 1518, 2505, 3709
PREGNANCY, ECTOPIC: 687, 914, 1169, 3391, 4135
PREGNANCY IN ADOLESCENCE: 122, 2992, 3959
PREGNANCY IN DIABETES: 2505, 2581, 3077
PREGNANCY MAINTENANCE: 2330
PREGNANCY, MULTIPLE: 247, 662, 914, 947, 1270, 1445, 2177, 2967, 3499
PREGNANCY, PROLONGED: 214, 2332
PREGNANCY TESTS: 473, 1892, 3512
PREGNANCY TESTS, IMMUNOLOGIC: 586, 1354, 3104, 3835
PREGNANCY TOXEMIAS: 398, 404, 546, 1057, 2581, 3888, 4319
PREGNANCY TRIMESTER, FIRST: 337, 1369, 1445–1446, 1897, 2554, 3294, 3347, 3442, 3468, 3490
PREGNANCY TRIMESTER, SECOND: 214, 314, 439, 480, 501, 957, 1492, 1589, 1605, 1857, 2439, 2470, 3468, 3682, 4188
PREGNANCY TRIMESTER, THIRD: 214, 383, 731, 930, 957, 1057, 1093, 1170, 1409, 1492, 1605, 1742, 1857, 2439, 2470, 2578, 2797, 3365, 3468, 4188
PREGNANCY, TUBAL: 947, 1354, 1582, 2849, 3442
PREGNANEDIOL: 49, 670, 1093, 1139, 1223, 2036
PREGNANEDIONES: 477, 1007, 1018, 2234, 2524–2525, 3277, 3369
PREGNANES: 311, 4016
PREGNANETRIOL: 2983
PREGNANOLONE: 339, 2221, 3152, 4289
PREGNENEDIONES: 3451
PREGNENES: 619
PREGNENOLONE: 34, 169, 375, 1280, 1369, 1761, 2354, 2365, 2460, 2691
PRELEUKEMIA: 234, 2997
PREMARIN: 986, 1931, 2065, 3510, 3837
PREMEDICATION: 224, 1458, 2361, 2768, 3661, 3688
PREMENSTRUAL TENSION: 3994, 4402
PRENATAL CARE: 119, 3251, 3959
PRENATAL DIAGNOSIS: 254, 497, 1002, 1132, 1170, 1177, 2853, 2872, 3414, 3828, 4440
PREOPERATIVE CARE: 786, 3244, 4070
PREOPTIC AREA: 59, 61, 68, 569, 714, 784, 939, 1033, 1886, 1921, 2052, 2406, 2833, 3373, 3498, 3768, 3997
PRESCRIPTIONS, DRUG: 1873, 2729, 3580
PRESERVATION, BIOLOGICAL: 3583
PRESSORECEPTORS: 567, 1455, 2243, 3719
PRESSURE: 463, 1020, 1295, 2183, 2453, 2539, 2556, 2835, 3869
PREVENTIVE HEALTH SERVICES: 2545
PRIAPISM: 996
PRIMATES: 566, 661, 1834, 4262
PRIMIDONE: 2485, 2750, 3736
PRIVILEGED COMMUNICATION: 4440
PROADIFEN: 1566, 2433
PROBABILITY: 118, 1216
PROBENECID: 712, 3549, 3973
PROBUCOL: 2456, 2542
PROCAINAMIDE: 1496
PROCAINE: 920, 1800, 2128, 2151
PROCARBAZINE: 2771, 4376
PROCOLLAGEN: 2608
PROCOLLAGEN PEPTIDASE: 2195
PROESTRUS: 939, 1288, 1898, 1923, 4251, 4352
PROGERIA: 1371, 3050, 4228, 4268
PROGESTATIONAL HORMONES: 473, 520, 1280, 1575, 1937, 1967, 2220, 3913, 4088, 4216, 4267, 4335, 4448
PROGESTATIONAL HORMONES, SYNTHETIC: 146–147, 534, 1445, 1519, 2250, 2369, 2583, 2735, 2756, 3011, 3913, 4206, 4216–4217, 4407
PROGESTERONE: 80, 160, 183, 193, 223, 239, 287, 363, 375, 395, 422, 437, 449, 490, 544, 555, 565–566, 572, 723, 725, 731, 774, 834, 859, 946, 965, 969, 972, 978–979, 1024, 1108, 1169, 1204, 1215, 1237, 1242, 1264, 1277, 1280, 1303, 1344, 1394, 1445–1446, 1475, 1578, 1612, 1749, 1761, 1790, 1798, 1834, 1845, 1848, 1857, 2006, 2044, 2098, 2104–2105, 2116, 2165, 2223, 2234, 2282, 2306, 2309, 2332, 2354, 2365, 2382, 2402–2403, 2407, 2424, 2449, 2513, 2537, 2589, 2657, 2695, 2697, 2709, 2735, 2776, 2812, 2828, 2854, 3053, 3118, 3182, 3345, 3353, 3355, 3369, 3443, 3451, 3490, 3517, 3528, 3591, 3611, 3649, 3818, 3862, 3873, 3906, 3974, 3994, 4026, 4033–4034, 4064, 4088, 4150, 4171, 4251, 4262, 4264, 4289, 4298, 4324, 4332, 4402
PROGESTERONE REDUCTASE: 573, 4012
PROGNOSIS: 222, 485, 531, 538, 554, 796, 855, 964, 1039, 1126, 1156, 1163, 1232, 1449, 1507, 1623, 1729, 1861–1862, 1872, 1922, 2011, 2066, 2127, 2138, 2349, 2362, 2439, 2497, 2558, 2642, 2819, 2830, 2966, 3000, 3205, 3216, 3220, 3288, 3360, 3406–3407, 3415, 3645, 3696, 3706, 3753, 3814, 4236, 4241
PROGRAMMED INSTRUCTION: 3011
PROINSULIN: 246
PROLACTIN: 97, 117, 156, 202, 206–208, 219, 224, 229, 252, 267, 287, 304, 331, 354, 380, 403, 460, 472, 478, 503, 515, 572, 592, 708, 710, 746, 808, 829, 865, 911, 923, 988, 1054, 1084, 1090, 1094, 1215, 1226, 1256, 1285, 1331, 1381, 1401, 1425, 1434, 1447, 1462, 1470–1471, 1511, 1562, 1590, 1603–1604, 1644, 1687, 1704, 1722, 1743, 1752, 1856, 1878, 1895, 1923, 1970, 2035, 2043, 2107, 2113, 2116, 2147, 2186, 2223, 2248, 2277, 2279, 2346, 2353, 2365, 2384, 2408, 2434, 2458, 2543, 2565, 2681, 2711, 2761–2762, 2775, 2791, 2831, 2856, 2899, 2921, 3061, 3097, 3103, 3171, 3181–3182, 3248, 3257, 3261, 3276, 3306, 3344–3345, 3379, 3483, 3517, 3527, 3531, 3537–3538, 3557, 3681–3683, 3692, 3740, 3780,

3792, 3929, 3960, 3966, 3975, 3994, 4021, 4034, 4045, 4069, 4079, 4100, 4126, 4149, 4186, 4195, 4224, 4253, 4317, 4324, 4335, 4400, 4415, 4426, 4442
PROLACTIN RELEASE INHIBITING HORMONE: 478
PROLACTIN RELEASING HORMONE: 478, 1268, 4317
PROLINE: 481, 1631, 2366, 2413, 2608, 2658, 2767, 3231, 4279
PROMETHAZINE: 1725, 3917
PRONASE: 1278
PROPANOLAMINES: 782, 1723, 2228, 2490, 3846, 4014
PROPERDIN: 840
PROPIONIBACTERIUM: 1262
PROPIONIBACTERIUM ACNES: 1262, 3615
PROPRANOLOL: 14, 280, 338, 422, 452, 486, 605, 645, 695, 782, 804, 951, 1040, 1042, 1066, 1072, 1114, 1205, 1283, 1714, 1812, 1881, 1910, 1939, 2130, 2275, 2292, 2355, 2490, 2520, 2611, 2620, 2634, 2882, 3065, 3103, 3296, 3544, 3582, 3593, 3651, 3661, 3890, 3999, 4001, 4014, 4023, 4041, 4101, 4296, 4367
PROPYLAMINES: 1641, 2393, 2573
PROPYLTHIOURACIL: 641, 1526, 2239, 3409, 3660
PROSCILLARIDIN: 3167
PROSIMIANS: 3193, 3908
PROSPECTIVE STUDIES: 22, 146, 531, 855, 1737, 1873, 2176, 2675, 3320, 3331, 3599, 3660–3661, 4134, 4198, 4261, 4422, 4432
PROSTAGLANDIN ANTAGONISTS: 893, 1009, 1536, 1786, 1908, 2319, 2324, 2382, 2581, 4408, 4443
PROSTAGLANDIN ENDQPEROXIDES: 411, 1497, 2604, 3358
PROSTAGLANDIN ENDOPEROXIDES, SYNTHETIC: 1219
PROSTAGLANDIN SYNTHASE: 1080, 1266, 1497, 2342, 2603, 3139, 3616–3617, 3857, 4010
PROSTAGLANDINS: 62, 88, 120, 158, 183, 204, 221, 316, 325, 329, 350, 354, 391, 402, 411, 421, 480, 486, 545, 557, 562, 566, 760, 765, 893, 933, 937, 998, 1020–1021, 1057, 1104–1105, 1141, 1182, 1189, 1203, 1220, 1224–1225, 1293, 1298, 1300, 1340, 1356–1358, 1361, 1394, 1399, 1435, 1497, 1527, 1536, 1543, 1559–1560, 1746, 1778, 1786, 1843, 1849, 1857, 1910, 2003, 2134, 2139, 2170, 2179, 2227, 2254, 2260, 2319, 2324, 2332, 2342–2343, 2365, 2438, 2441, 2528, 2564, 2582, 2588, 2603–2604, 2698, 2709, 2715, 2760, 2786, 2788, 2796, 2798, 2801, 2807, 2821, 2825, 2835, 2919, 2931, 2978, 3035, 3178–3179, 3187–3188, 3232, 3273, 3321, 3338, 3358, 3380, 3475–3476, 3488–3489, 3504, 3575, 3590, 3609, 3616–3617, 3711, 3766, 3777, 3838–3839, 3850–3851, 3857–3858, 3881–3882, 4010, 4023, 4115, 4120, 4160, 4171, 4183, 4200–4201, 4221–4222, 4272, 4284, 4322, 4325, 4360, 4367, 4408, 4443
PROSTAGLANDINS A: 402, 2479, 3187–3188, 3321, 3672, 4068, 4221
PROSTAGLANDINS D: 88, 446, 1021, 1220, 1543, 3188, 3838, 4222
PROSTAGLANDINS E: 7, 80, 99, 145, 183, 203, 249, 258, 402, 480, 482, 501, 614, 679, 699, 714, 798, 924, 981, 1009, 1020–1021, 1057, 1080, 1105, 1141, 1214, 1220, 1298, 1407, 1451, 1471, 1527, 1543, 1560, 1576, 1584, 1590, 1664, 1768, 1786, 1806, 1813, 1832, 1884, 1908, 2120, 2122, 2167, 2217, 2227, 2237, 2345, 2382, 2441, 2478–2479, 2579, 2665, 2715, 2726, 2786, 2801, 2808, 2825, 2835, 2850, 2858, 3006, 3138–3139, 3187–3188, 3232, 3242, 3321, 3361, 3370, 3488–3490, 3582, 3587–3588, 3672, 3777, 3786, 3813, 3833, 3838, 4068, 4160, 4171, 4219, 4221–4222, 4256, 4315, 4322
PROSTAGLANDINS E, SYNTHETIC: 2218, 2870, 3455, 3588
PROSTAGLANDINS F: 183, 249, 258, 314, 402, 480, 482, 731, 924, 951, 969, 1020–1021, 1105, 1214, 1402, 1470–1471, 1527, 1536, 1560, 1589, 1786, 1908, 2153, 2227, 2382, 2441, 2539, 2579, 2715, 2801, 2807, 2825, 2835, 3138–3139, 3182, 3187–3188, 3232, 3273, 3301, 3321, 3380, 3488–3490, 3590, 3692, 3838, 3882, 3978, 4004, 4068, 4139, 4219, 4221, 4325
PROSTAGLANDINS F, SYNTHETIC: 978, 2361, 2776, 2870, 3025, 3036, 3490
PROSTAGLANDINS G: 80, 1298, 1497
PROSTAGLANDINS H: 1080, 1298–1299, 1497, 1584, 2715, 3616, 4221
PROSTAGLANDINS, SYNTHETIC: 411, 1182, 1357, 2098, 3124
PROSTAGLANDINS X: 120, 158, 203, 316, 411, 446, 933, 1105, 1182, 1189, 1220, 1293, 1298–1300, 1356–1358, 1584, 2003, 2179, 2254, 2342, 2438, 2528, 2603–2604, 2698, 2715, 2796, 3178–3179, 3188, 3273, 3358, 3575, 3590, 3609, 3616, 3851, 3857, 4171, 4183, 4222, 4272, 4284
PROSTANOIC ACIDS: 2698
PROSTATE: 25, 377, 580, 1073, 1092, 1272, 1309, 1601, 1633, 1936, 2182, 2226, 2599, 2651, 2977, 3064, 3228–3229, 3563, 3612, 3982, 4024, 4384
PROSTATECTOMY: 128
PROSTATIC HYPERTROPHY: 1073, 1309, 1705, 2226, 3513, 3612, 4137, 4245
PROSTATIC NEOPLASMS: 73, 128, 950, 1140, 1276, 1309, 1512, 1704, 1965, 2226, 2363, 2977, 3135, 3317, 3405, 3508, 3513, 3698, 3711, 3812, 3875, 4022, 4137, 4245
PROSTATITIS: 1580
PROSTHESIS: 687, 1207, 1883, 4271, 4391
PROTAMINES: 3342, 3433, 3893
PROTEASE INHIBITORS: 130, 231, 1254, 1429, 2156, 3063, 3491
PROTEIN BINDING: 133, 216, 246, 275, 358, 412, 602, 650, 652, 657, 784, 1048, 1278, 1301, 1655, 1657, 1668, 1698, 1710, 1954, 1957, 1962, 2184, 2190, 2211, 2266, 2423, 2520, 2559, 2663, 2812, 3063, 3090, 3192, 3218, 3263, 3336, 3418, 3530, 3729, 3805, 3939, 4057–4058, 4318
PROTEIN-BOUND IODINE TEST: 29, 1807, 4181
PROTEIN-CALORIE MALNUTRITION: 12, 728, 1138, 2593, 2918, 2935, 4383
PROTEIN CONFORMATION: 217, 246, 719, 984, 1252, 1260, 1296, 1378, 1613, 1668, 2018, 2679, 3007, 3222, 4063, 4318
PROTEIN DEFICIENCY: 1567, 2648, 2878
PROTEIN DENATURATION: 4272
PROTEIN DISULFIDE REDUCTASE (GLUTATHIONE): 2437
PROTEIN HYBRIDIZATION: 2805–2806
PROTEIN KINASE: 99, 229, 468, 559, 616, 664, 703, 820, 872, 896, 911, 1377, 1454, 1528, 1663, 1676, 1760, 1880, 1887, 1909, 2014, 2151, 2213, 2323, 2401, 2411, 2475, 2764, 2824, 2867, 2944, 3218, 3264, 3423, 3553, 3619–3620, 3714, 3726, 3803, 3832, 3893, 4312, 4318, 4375
PROTEIN-LOSING ENTEROPATHIES: 797, 1089
PROTEIN O-METHYLTRANSFERASE: 1173
PROTEIN METHYLTRANSFERASES: 1173
PROTEIN PRECURSORS: 298, 337, 415, 721, 882, 2284, 2353, 2407, 2613, 2694, 2762, 3269, 4405
PROTEINS: 517, 591, 719, 980, 989, 1082, 1173, 1325, 1567, 1718, 1953, 1973, 2037, 2050, 2158, 2382, 2433, 2464, 2601, 2691, 2767, 2859, 2963, 3024, 3034, 3058, 3301, 3319, 3344, 3444, 3478, 3563, 3615, 3617, 3722, 3755, 3770, 3810, 4024, 4206, 4276, 4361
PROTEINURIA: 459, 572, 877, 934, 2030, 2386, 2675, 2863, 3800
PROTEOCHONDROITIN SULFATES: 1953
PROTEOGLYCANS: 1953, 2260, 3476, 3731, 4313
PROTEOLIPIDS: 989
PROTHROMBIN TIME: 153
PROTONS: 4234
PROTOZOA: 1442
PRURITUS: 1623, 4413
PRURITUS ANI: 1963
PRURITUS VULVAE: 816, 1963
PSEUDOCHOLINESTERASE: 4377
PSEUDOHERMAPHRODITISM: 1279, 1776, 1942, 3015, 4066
PSEUDOHYPOPARATHYROIDISM: 1983
PSEUDOMONAS: 2812
PSEUDOMONAS AERUGINOSA: 2561
PSEUDOMONAS INFECTIONS: 4192
PSEUDOPREGNANCY: 429, 1394, 2496
PSEUDOTUMOR CEREBRI: 3905
PSEUDOXANTHOMA ELASTICUM: 3050
PSITTACINES: 1662
PSORIASIS: 17, 2169, 2423, 3426, 4119
PSYCHIATRIC STATUS RATING SCALES: 533
PSYCHIATRY: 785
PSYCHOANALYTIC THEORY: 1245, 1968
PSYCHOANALYTIC THERAPY: 1245
PSYCHOLOGICAL TESTS: 4101, 4124, 4371
PSYCHOMETRICS: 4101
PSYCHOPHYSIOLOGIC DISORDERS: 1341, 2540, 3080, 4098
PSYCHOSES: 271, 659, 1014, 1245
PSYCHOSES, ALCOHOLIC: 3830
PSYCHOSES, MANIC-DEPRESSIVE: 465, 2868
PSYCHOSES, ORGANIC: 100, 2074, 4435
PSYCHOSES, TOXIC: 1019
PSYCHOSEXUAL DEVELOPMENT: 1172, 1245, 1968, 2555, 4180
PSYCHOTHERAPY: 1074, 1831, 2555, 2998
PSYCHOTROPIC DRUGS: 1349, 1614, 2215, 2455, 2652, 4428
PUBERTY: 265, 371, 512, 690, 1165, 1172, 1245, 1319, 1516, 1730, 1858, 1968, 1972, 2011, 2555, 2707, 2725, 2981, 3062, 3137, 3276, 3406, 3431, 3567, 3880, 4180, 4262
PUBERTY, PRECOCIOUS: 2238, 3351
PUBIC SYMPHYSIS: 3465
PUBLIC HEALTH: 4062
PUERPERAL DISORDERS: 71, 1057, 1404, 1606, 2487, 3025
PUERPERAL INFECTION: 398
PUERPERIUM: 946, 972, 1990, 1997, 2421, 3290, 3752
PULMONARY ALVEOLI: 3338
PULMONARY ARTERY: 291, 3670
PULMONARY CIRCULATION: 1012, 1042, 1141, 1708, 1910, 2588, 3869
PULMONARY EDEMA: 761, 3475
PULMONARY EMBOLISM: 277, 398, 1348, 2139, 2487, 3022
PULMONARY EMPHYSEMA: 4025
PULMONARY FIBROSIS: 2338
PULMONARY HEART DISEASE: 1910
PULMONARY SURFACTANT: 148, 761, 1912, 2045, 3258
PULMONARY VALVE STENOSIS: 1210
PULMONARY VEINS: 1006
PULPECTOMY: 3728
PULSE: 902, 1085, 1205, 2344, 2435, 2451, 2730
PUNCTURES: 2606
PUPA: 2625
PUPIL: 4120
PURINE NUCLEOSIDES: 445
PURINES: 445
PURKINJE CELLS: 2351, 3159
PUROMYCIN: 229, 1137, 2030, 2308, 2691, 3385
PURPURA, SCHOENLEIN-HENOCH: 2469
PURPURA, THROMBOPENIC: 431, 2668, 3525, 4334
PUTAMEN: 3997
PYELONEPHRITIS: 1574, 2643, 3065, 3305, 3457
PYRAN COPOLYMER: 3168
PYRAZINES: 1096, 1122, 2117, 3364, 3870
PYRAZINOBUTAZONE: 494, 1521
PYRAZOLES: 1009, 3589
PYRENES: 1385
PYRIDINES: 9, 120, 169, 605, 2388
PYRIDOSTIGMINE BROMIDE: 1430
PYRIDOXAL PHOSPHATE: 3261
PYRIDOXINE: 1285, 1488, 2464, 2602, 3261
PYRIDOXINE DEFICIENCY: 1155, 3261
PYRILAMINE: 615, 1805
PYROGALLOL: 305
PYROGENS: 714
PYROPHOSPHATES: 823, 1903, 1907, 3320, 3336, 4248
PYRROLES: 1640
PYRROLIDINES: 259–260, 452, 934
PYRROLIZIDINE ALKALOIDS: 1640
PYRUVATE CARBOXYLASE: 1196, 3013
PYRUVATE DEHYDROGENASE COMPLEX: 229, 1501, 3013
PYRUVATE KINASE: 1196, 1676, 3993
PYRUVATES: 229, 453, 1049, 1196, 2157, 3013

Q

QUADRIPLEGIA: 3535, 3713
QUAIL: 424–425, 2488, 2833, 3086, 3943
QUALITY CONTROL: 1636, 2494, 3481
QUALITY OF HEALTH CARE: 2714
QUESTIONNAIRES: 3452

QUINACRINE: 1269, 2785
QUINAZOLINES: 2435, 3275
QUINIDINE: 1939
QUININE: 3863, 4018
QUINOLINES: 2996
QUINONES: 3766, 4082
QUINOXALINES: 2296
QUINUCLIDINES: 114
QUIPAZINE: 2996

R

R 5020: 3691
RABBITS: 27, 33, 80, 112, 199, 204, 225, 250, 274, 286, 291, 316, 321, 328, 353, 381, 390, 394, 429, 435, 462, 511, 602, 631, 672, 767, 792, 798, 942, 969, 971, 979, 1005, 1105, 1110, 1182, 1203, 1230, 1237, 1247, 1265, 1281, 1340, 1358, 1368, 1385, 1402, 1417, 1432, 1454–1455, 1468, 1548, 1575, 1578, 1603–1604, 1647–1648, 1652, 1655, 1721, 1778, 1783, 1806, 1808, 1849, 1908, 1911–1912, 2002–2003, 2018, 2049, 2100, 2199, 2201, 2206, 2217, 2260, 2270, 2288, 2328, 2345, 2358, 2407, 2493, 2544, 2587, 2590, 2604, 2607, 2656, 2682, 2688, 2709, 2715, 2735, 2756, 2760, 2788, 2790, 2796, 2798, 2803, 2805, 2816, 2835, 2870, 2873–2876, 2931, 2937, 2961, 3006, 3078, 3112, 3217–3218, 3258, 3305, 3338, 3350, 3383, 3438, 3450, 3467, 3475, 3514, 3524, 3546, 3616, 3670, 3679, 3712, 3811, 3818, 3826, 3851, 3872, 3913, 3928, 3946, 3954, 3963, 3977, 3985, 3992, 4010, 4075, 4088, 4118, 4120, 4176, 4183, 4192, 4200–4201, 4221–4222, 4243, 4294, 4318, 4367, 4372
RACIAL STOCKS: 1475, 2431, 2638, 3435, 3989
RADIATION DOSAGE: 255, 1635, 2145, 3070, 3121, 3554, 4162
RADIATION EFFECTS: 1635, 2563
RADIATION GENETICS: 682, 1635
RADIATION INJURIES: 370, 1102, 1635, 1830, 2721, 2920, 2994, 4310
RADIATION INJURIES, EXPERIMENTAL: 1061, 3070
RADIATION, IONIZING: 2563
RADIATION MONITORING: 682, 2818
RADIATION PROTECTION: 830, 1379, 2417–2418, 3469
RADIATION-PROTECTIVE AGENTS: 1061, 1998, 3070
RADIATION-SENSITIZING AGENTS: 359
RADIATION TOLERANCE: 1617, 1998–1999, 3447
RADICAL NECK DISSECTION: 3462, 4236
RADIOACTIVE FALLOUT: 1, 2185
RADIOACTIVE POLLUTANTS: 1, 180
RADIOACTIVE WASTE: 2869
RADIODERMATITIS: 2145
RADIOGRAPHIC IMAGE ENHANCEMENT : 3628
RADIOGRAPHY: 682, 830, 1379, 2417, 3101, 3554
RADIOGRAPHY, DENTAL: 3554
RADIOGRAPHY, PANORAMIC: 3137
RADIOIMMUNOASSAY: 37, 54, 88, 98, 104, 288, 297, 326, 363, 380, 430, 492, 515, 548, 561, 583, 586, 650, 670, 677, 731, 859, 898, 907, 916, 970, 1010, 1035, 1158, 1162, 1252, 1280, 1295, 1326, 1341, 1343, 1354, 1408–1409, 1476, 1516, 1599, 1636, 1731, 1738, 1742, 1771, 1933–1934, 1945, 1948, 1972, 2028, 2140, 2172, 2196, 2211, 2221, 2256, 2258, 2396, 2423, 2425, 2473, 2477, 2481, 2543, 2551, 2562, 2582, 2598, 2652, 2687, 2701, 2790, 2903, 2983, 3053, 3086, 3157–3158, 3163, 3260, 3361, 3363, 3421–3422, 3468, 3481, 3489, 3543, 3548, 3551, 3573, 3629, 3682, 3698, 3788, 3860, 3913, 3966, 3975, 4011–4013, 4032, 4072, 4075, 4127, 4139, 4191, 4276, 4324, 4331, 4346
RADIOISOTOPE DILUTION TECHNIC: 2191
RADIOISOTOPE RENOGRAPHY: 963
RADIOISOTOPE TELETHERAPY: 1175, 3089
RADIOISOTOPES: 584, 1175, 1635, 2689, 2954, 3629, 3669, 3848, 3909, 3968, 4185
RADIOLIGAND ASSAY: 231, 652, 911, 1280, 1939, 2211
RADIOLOGY: 2418
RADIOMETRY: 4350
RADIONUCLIDE IMAGING: 967, 991
RADIOTHERAPY: 756, 1175, 1255, 2145, 2166, 3477, 3732, 3854
RADIOTHERAPY DOSAGE: 1830, 2121, 2145, 2820, 2839, 3169
RADIOTHERAPY, HIGH ENERGY: 359, 2994, 3089
RADIUS: 3356
RADIUS FRACTURES: 2474
RAGE: 2376–2377
RANA CATESBEIANA: 1137, 4102
RANA ESCULENTA: 878, 4103
RANA PIPIENS: 783, 1473, 2749, 2993, 3225
RANA TEMPORARIA: 920, 2752
RANDOM ALLOCATION: 464, 950, 3599, 4256, 4398, 4422
RAPHE NUCLEI: 213, 787, 817, 1314, 1419, 1455, 2462, 3373, 3746, 3997, 4240
RATS: 6, 18, 25, 27, 36, 38, 42–43, 47, 56, 59–62, 65, 67–68, 72, 75, 80–81, 87, 89, 92–93, 96, 101, 103–104, 106, 110, 120, 133, 137, 149–150, 154, 158, 161, 168–169, 176, 178, 185–186, 190, 192, 197, 201–202, 209, 211–213, 225–226, 229, 235–237, 245–247, 258–261, 266, 269, 278–279, 288, 291, 294, 299–300, 304, 309–310, 315, 317, 319, 322–323, 326–327, 339, 343, 349, 353, 355, 367, 372, 381, 387, 399, 403, 405, 407, 416, 421, 423, 426, 438, 445, 449, 453, 466, 468, 477, 482, 491, 493, 514, 516–517, 522, 524, 536–537, 540–542, 544–545, 559, 564, 569, 573, 583, 585, 589, 594, 596, 612–613, 615–616, 619, 621, 625, 629–630, 633, 636–637, 641, 655, 663, 673, 683, 693, 700–703, 721, 724–725, 727, 730–731, 747–749, 754–755, 759, 768, 774–775, 778, 780, 787, 790, 802, 808, 810, 817, 820, 823–824, 828, 831, 836–838, 842, 849, 851, 864, 867, 871–872, 880, 889, 891, 895, 912, 916–917, 922–926, 931, 938–940, 952, 954, 966, 968–970, 977, 982–983, 988, 992–994, 1003, 1015, 1031, 1038, 1044, 1049, 1054, 1061, 1070, 1077, 1081–1082, 1084, 1092, 1094, 1099, 1101, 1103, 1114, 1127, 1129, 1138, 1146, 1148–1149, 1155, 1161, 1164, 1168, 1173, 1176, 1179, 1181–1185, 1189, 1196, 1206, 1220–1221, 1230, 1240, 1242, 1246, 1249, 1253, 1258–1259, 1264–1265, 1272, 1274, 1277, 1287, 1289, 1292, 1302–1303, 1310, 1314–1315, 1329, 1333, 1336, 1353, 1363–1365, 1367, 1373, 1380, 1383, 1387, 1394, 1396, 1417, 1419, 1429, 1438–1440, 1450, 1457, 1459, 1467, 1474, 1478, 1482, 1486, 1496, 1498–1501, 1508, 1525–1527, 1529–1530, 1538, 1541, 1543, 1550, 1556, 1558–1560, 1562, 1566, 1568, 1576, 1578–1579, 1594, 1601, 1607–1609, 1612, 1619, 1627–1628, 1631, 1633–1634, 1640–1641, 1643–1644, 1651–1653, 1658, 1666, 1670–1671, 1674, 1676, 1687–1689, 1691, 1693–1695, 1701–1702, 1714, 1718, 1722–1723, 1725, 1728, 1731, 1734, 1740, 1747, 1760, 1764, 1769–1770, 1775, 1778–1781, 1783, 1789, 1791, 1799, 1817–1818, 1823–1825, 1827, 1829, 1838, 1841, 1850, 1852, 1866, 1871, 1877, 1880–1881, 1885, 1887, 1890, 1894, 1898, 1904, 1906–1907, 1917, 1921, 1923–1925, 1936–1937, 1957, 1959, 1976, 1980, 1989, 1995, 2010, 2015, 2029–2030, 2032–2033, 2046–2047, 2049–2052, 2054–2056, 2058, 2061, 2063, 2073, 2080, 2082, 2085, 2087–2090, 2097–2098, 2101–2104, 2111–2112, 2122–2123, 2135, 2142, 2145–2146, 2149, 2152–2154, 2157, 2174, 2179, 2186–2187, 2198–2199, 2207, 2215, 2218, 2223, 2231, 2233, 2235–2237, 2249–2250, 2252, 2254, 2256, 2265, 2275, 2277, 2280, 2282, 2290–2291, 2294, 2296–2297, 2305, 2310–2313, 2315–2317, 2320, 2322, 2325–2326, 2330, 2340, 2351, 2353, 2364, 2366, 2371, 2382, 2387–2388, 2391, 2395, 2409, 2411, 2413–2414, 2416, 2419, 2425, 2433–2434, 2438, 2448, 2455, 2460–2462, 2467, 2476, 2478, 2492, 2499, 2511, 2519, 2528, 2531–2533, 2547, 2559, 2567–2568, 2572–2573, 2580, 2593, 2597–2599, 2604, 2613, 2618, 2622, 2626, 2628–2630, 2634, 2636, 2647–2648, 2651, 2654–2656, 2661–2663, 2671, 2678–2679, 2688, 2692, 2697, 2700–2701, 2706, 2709, 2719, 2722, 2727, 2735, 2738, 2740, 2744–2745, 2756, 2764, 2766, 2783–2784, 2788, 2802, 2806, 2810, 2829, 2848, 2850–2852, 2859–2860, 2865, 2871, 2877–2878, 2885, 2887, 2894, 2907, 2911, 2913, 2923, 2928–2929, 2933–2934, 2941, 2944–2945, 2948, 2952–2953, 2960–2963, 2969, 2972–2974, 2982, 2984, 2986–2987, 2990, 2995–2996, 3001, 3003, 3007, 3010, 3012, 3027–3028, 3032, 3034, 3047–3048, 3051, 3056, 3059–3060, 3064, 3066, 3069–3070, 3073, 3082, 3093–3094, 3097–3100, 3102, 3107, 3109–3110, 3113, 3117–3118, 3122, 3124–3125, 3127, 3132, 3150, 3156, 3159–3160, 3162, 3167, 3171, 3177, 3180, 3186, 3189–3190, 3195, 3202, 3206, 3209, 3211, 3228–3231, 3235, 3239, 3242, 3245–3246, 3252, 3254, 3257, 3283, 3286–3287, 3291–3292, 3300, 3305–3306, 3308, 3325, 3334, 3341, 3346, 3355, 3361, 3369–3371, 3373, 3381, 3385, 3392, 3394, 3399–3401, 3405, 3409–3412, 3416, 3423, 3425, 3432–3433, 3437, 3444, 3451, 3456–3457, 3466, 3471, 3474, 3482, 3485–3487, 3492, 3495, 3511, 3513–3514, 3519, 3521, 3526, 3533, 3542, 3544–3545, 3549–3550, 3553, 3555, 3565, 3567–3569, 3572, 3578, 3588, 3593, 3598, 3602–3603, 3607, 3619–3620, 3625, 3628, 3632, 3634, 3642, 3648, 3653–3656, 3663, 3666, 3669, 3672, 3681, 3683, 3691, 3705, 3710–3711, 3722, 3724, 3726, 3733, 3744–3745, 3771, 3777, 3784, 3789, 3798–3799, 3805, 3809–3810, 3812–3813, 3815–3816, 3819, 3827, 3829, 3832, 3839–3840, 3847, 3850–3851, 3855–3856, 3873–3874, 3876, 3880, 3883, 3885, 3892, 3897, 3900, 3904, 3914, 3923, 3938, 3949–3950, 3962, 3965, 3970–3971, 3973–3974, 3978, 3982, 3988, 3993, 3996–3997, 4000–4001, 4010, 4012, 4017–4020, 4023–4024, 4032–4034, 4036, 4043–4044, 4056–4058, 4067–4069, 4077–4078, 4085–4087, 4089–4091, 4095, 4102, 4110, 4118, 4137, 4140, 4144, 4146, 4151, 4164, 4168–4169, 4171, 4184, 4192, 4203, 4213–4214, 4222–4224, 4226–4227, 4232, 4238, 4240, 4251, 4255, 4264, 4289–4290, 4293–4294, 4296, 4299, 4309, 4317, 4322, 4328–4330, 4332, 4340–4341, 4343–4344, 4347, 4352, 4354, 4358, 4362–4366, 4368–4369, 4373, 4375, 4377–4379, 4420, 4438, 4442
RATS, INBRED F344: 2198
RATS, INBRED LEW: 212
RATS, INBRED STRAINS: 2467, 3060, 3355, 3513, 4000, 4358, 4369
RAUSCHER VIRUS: 289
REACTION TIME: 161, 449, 1566, 1688, 1886, 2747, 2943, 3568, 3784, 3799, 4035, 4082
READING: 3431
REAGENT KITS, DIAGNOSTIC: 492, 1158, 1868, 1933–1934, 1945, 1948, 2396, 2481, 3481, 3543, 3548, 3551, 4331
RECALL: 838, 2340
RECEPTORS, ADRENERGIC: 452, 487, 738, 775, 951, 977, 1283, 1421, 1440, 1634, 1664, 1958, 2167, 2391, 2416, 2520, 2852, 2913, 3073, 3100, 3235, 3252, 3504, 3620, 3651, 3840, 3984, 4366
RECEPTORS, ADRENERGIC, ALPHA: 65, 452, 738, 775, 1283, 1634, 1664, 2852, 2961
RECEPTORS, ADRENERGIC, BETA: 452, 487, 951, 1440, 1958, 2167, 2170, 2520, 2796, 2913, 2961, 3100, 3722
RECEPTORS, ANDROGEN: 30, 569, 1140, 1146, 1199, 2193, 2226, 2651, 2886, 2928, 2977, 3015, 3064, 3108, 3135, 3228, 3563, 4137
RECEPTORS, ANGIOTENSIN: 109, 836, 2286, 2649, 4038
RECEPTORS, CHOLINERGIC: 52, 114, 351, 414, 951, 1218, 2852, 3094, 3504, 3984
RECEPTORS, CONCANAVALIN A: 1524
RECEPTORS, CYCLIC AMP: 1120, 3893
RECEPTORS, DOPAMINE: 27–28, 655, 866, 977, 1440, 1590, 1609, 1642, 1878, 2107, 3094, 3235, 3384, 3651, 4069, 4212
RECEPTORS, DRUG: 275, 1296, 1392, 1524, 1754, 2419, 3651, 3984, 4017, 4412
RECEPTORS, ESTROGEN: 197, 385, 485, 491, 538, 784, 842, 934, 1024, 1140, 1163, 1198, 1392, 1507, 1575, 1666, 1808, 1848, 1900, 1931, 2158, 2193, 2297, 2349, 2497, 2639, 2671, 2928, 2977, 3010, 3066, 3076, 3108, 3135, 3216, 3229, 3635, 3867, 3891, 4449
RECEPTORS, GLUCOCORTICOID: 197, 228, 321, 541, 1980, 2419, 3017, 3424, 3594–3595, 4290
RECEPTORS, HISTAMINE: 188, 615, 2884, 2982, 3984
RECEPTORS, HISTAMINE H1: 188, 2884
RECEPTORS, HISTAMINE H2: 188, 2884, 2982, 3589
RECEPTORS, HORMONE: 75, 165, 246, 331, 351, 387, 547, 577, 657, 730, 788, 836, 889, 911–912, 984, 1140, 1239, 1286, 1701, 1790, 1834, 1853, 1939, 2286, 2437, 2443, 2579, 2649, 2655, 2772, 2802, 3098, 3131, 3138–3139, 3221–3222, 3302, 3344–3345, 3530, 3538, 3557, 3635, 3651, 3834, 3943, 3984, 4103, 4146, 4191, 4254, 4274,

4293, 4353, 4396, 4412
RECEPTORS, INSULIN: 154, 24i, 246, 1853, 2571, 3158, 3437, 4219
RECEPTORS, MUSCARINIC: 65, 114, 772, 2852, 3094, 3761
RECEPTORS, NARCOTIC: 575, 1236, 1275, 1477, 1607, 1667, 2076, 2097, 2210, 2562, 2629, 2679, 3412, 3651, 3984, 4019, 4086, 4141, 4154, 4397
RECEPTORS, NICOTINIC: 698, 3651
RECEPTORS, PROGESTERONE: 197, 485, 1140, 1575, 1666, 1848, 1931, 2158, 2349, 2928, 3076, 3612, 3691, 3967
RECEPTORS, PROSTAGLANDIN: 1536, 1853, 1908, 2579, 2870, 3138–3139, 3590
RECEPTORS, SENSORY: 2243
RECEPTORS, SEROTONIN: 698, 2181, 2391, 2462, 2722, 3688, 4212
RECEPTORS, STEROID: 197, 223, 321, 358, 541, 569, 1980, 2226, 2651, 2886, 2977, 3017, 3064, 3135, 3228, 3424, 3563, 3594–3595, 4137, 4276, 4290
RECEPTORS, VIRUS: 2653
RECOMBINATION, GENETIC: 436, 1935, 2862, 4314
RECORDS: 936
RECRUITMENT (NEUROLOGY): 2521
RECTAL NEOPLASMS: 1675, 3646, 4003
RECTUM: 596, 1149, 2667, 3609, 3646
RECURRENCE: 13, 506, 588, 696, 915, 963, 1213, 1216, 1593, 1673, 1712, 1900, 2318, 2336, 2497, 2594, 2900, 3272, 3295, 3623, 3779, 3864, 4337–4338, 4422
REFLEX: 567, 964, 1786, 1819, 2391, 2833, 3719, 4204
REFLEX, ABNORMAL: 1910, 1913, 4268
REFLEX, MONOSYNAPTIC: 1913
REFLEX SYMPATHETIC DYSTROPHY: 1919
REFLEX, TENDON: 479
REFRACTORY PERIOD, NEUROLOGIC: 1795
REFRIGERATION: 2454, 3241
REGENERATION: 25, 1844
REGIONAL BLOOD FLOW: 158, 188, 220, 240–241, 318–319, 839, 877, 902, 1219–1220, 1311, 1494, 1656, 2288, 2342, 2421, 2447, 3134, 3239, 3505, 3614, 3888, 4107, 4222–4223, 4388
REGISTRIES: 1597, 3078
REIMPLANTATION: 3241
REINFORCEMENT (PSYCHOLOGY): 266, 3003, 4085, 4214
REINFORCEMENT SCHEDULE: 266, 556, 1314, 2518
REITER'S DISEASE: 1555
RELAXIN: 2227, 3104, 3465
RELIGION: 4383
REMISSION: 257, 506, 588, 681, 868, 915, 941, 999, 1023, 1216, 1423, 1673, 1729, 1984, 2066, 2318, 2771, 2800, 2836, 3045, 3079, 3108, 3272, 3323, 3335, 3357, 3426, 3702, 4260, 4422
RENAL ARTERY: 47, 851, 963, 1062, 1523, 2342, 2381, 2870, 3065, 3484, 3721, 4107, 4394
RENAL ARTERY OBSTRUCTION: 82, 963, 1610, 2086, 4041, 4196
RENAL ARTERY STENOSIS: 963, 1610, 2086, 3505, 4041, 4196, 4211
RENAL OSTEODYSTROPHY: 66, 139, 794, 809, 1038, 1065, 1109, 1418, 1793, 1916, 2175, 2375, 2741, 2914, 3183, 3356, 3458–3459
RENAL TUBULAR TRANSPORT, INBORN ERRORS: 1038
RENAL VEINS: 2086, 2331
RENIN: 7, 15, 82, 108–109, 130, 143, 150, 318–319, 322, 332–334, 338, 347, 365, 416, 452, 481, 486–487, 536, 617, 633, 734–735, 776, 804–805, 825, 828, 831, 836, 839, 851, 877, 963, 990, 994, 1003, 1011–1013, 1022, 1055, 1057, 1072, 1097, 1116, 1162, 1187, 1205, 1219, 1229, 1258, 1335, 1346, 1387, 1429, 1494, 1549–1550, 1610, 1629, 1632, 1637, 1645–1646, 1648, 1656, 1658, 1677, 1732, 1766, 1769, 1820–1821, 1837–1838, 1871, 1881, 1905, 1914, 1956, 1987, 1995, 2086, 2117–2118, 2130, 2134, 2155–2156, 2168, 2188, 2196, 2222, 2228, 2255, 2285, 2290, 2292, 2322, 2331, 2344, 2347, 2355, 2381, 2413, 2435, 2451, 2479, 2495, 2572, 2620, 2626, 2640, 2664, 2688, 2742, 2769, 2796, 2798, 2809, 2813, 2835, 2844, 2863, 2879, 2887, 2966, 2999, 3027, 3063, 3065, 3141, 3152, 3186, 3227, 3275, 3309, 3339, 3376, 3387, 3471, 3479, 3501, 3504–3505, 3509, 3542, 3547, 3626, 3658, 3672, 3680, 3687, 3719, 3721, 3841, 3846, 3885, 3890, 4014, 4037–4038, 4061, 4073, 4148, 4165, 4211, 4235, 4269, 4280, 4325, 4405, 4414, 4416–4417
REPRODUCTION: 134, 354, 642, 846–847, 969, 1071, 1090, 1194, 1303, 1327, 2735, 2949, 3021, 3572, 3724, 3740, 3987, 4215, 4410
RESEARCH: 515, 1327, 2244, 3703, 4197, 4267
RESEARCH DESIGN: 1507, 1873, 1929, 2065, 2276, 2361, 3168, 3173, 3703
RESEARCH SUPPORT: 1327, 1929
RESERPINE: 613, 787, 1072, 1094, 1714, 1792, 2079, 2431, 3001, 3341, 3494, 3627, 3839, 3973, 3999, 4001, 4378
RESIDENTIAL TREATMENT: 2555
RESINS: 2768
RESINS, SYNTHETIC: 576
RESORCINOLS: 848, 1657, 1750, 2924
RESPIRATION: 909, 2008, 2021, 2043, 2730, 3172, 3237, 3332, 3475, 3869
RESPIRATION, ARTIFICIAL: 195, 1348, 4163
RESPIRATORY DISTRESS SYNDROME: 383, 718, 876, 1710, 1864, 2581, 4399
RESPIRATORY DISTRESS SYNDROME, ADULT: 1708, 2045, 4163
RESPIRATORY FUNCTION TESTS: 1069, 4161
RESPIRATORY SYSTEM: 649, 3175
RESPIRATORY THERAPY: 2864
RESPIRATORY TRACT DISEASES: 2021, 3201
RESPIRATORY TRACT NEOPLASMS: 3267
REST: 2206, 2228, 3415
RESTRAINT, PHYSICAL: 92, 235, 252, 661, 2455, 2727, 3163, 3306, 3325, 3519, 4389
RESUSCITATION: 1348, 3161, 4092
RETE TESTIS: 31, 1015, 2389, 4297
RETENTION (PSYCHOLOGY): 161, 449, 1702, 2340, 3900, 4214, 4404
RETICULAR FORMATION: 2038–2039, 2052, 2783, 3768
RETICULOCYTES: 1454, 1525, 1538, 2608, 2805, 3006, 3826
RETICULOENDOTHELIAL SYSTEM: 21, 2021
RETINA: 28, 230, 783, 2747, 3017, 3209, 3797
RETINAL ARTERY: 3748, 4257–4258
RETINAL DEGENERATION: 50, 3085
RETINAL DETACHMENT: 3085, 3700
RETINAL DISEASES: 2582, 3748, 4247
RETINAL HEMORRHAGE: 2530
RETINAL PIGMENTS: 2942
RETINAL VEIN: 261, 2530, 3748
RETINAL VESSELS: 4247
RETINALDEHYDE: 634
RETINITIS PIGMENTOSA: 3797
RETINOBLASTOMA: 3608
RETINOL BINDING PROTEINS: 1659, 2841, 3222
RETROPERITONEAL FIBROSIS: 2180, 2612, 2616
RETROPERITONEAL NEOPLASMS: 73, 716, 976, 3961
RETROPERITONEAL SPACE: 1058, 2081, 2150
RETROPNEUMOPERITONEUM: 1318
RETROSPECTIVE STUDIES: 550, 752, 914, 935, 1170, 1862, 2016, 2510, 3057, 3772, 3960
REVERSAL LEARNING: 4043, 4124
REVERSE TRANSCRIPTASE: 460, 910, 1529, 2224, 2723, 3342
REYE'S SYNDROME: 1234
RH-HR BLOOD-GROUP SYSTEM: 247, 4399
RHABDOMYOSARCOMA: 73, 796, 3608
RHESUS MONKEYS: 27–28, 249, 252, 395, 1037, 1294, 1351–1352, 1391, 1834, 1874, 2518, 2656, 2865, 3078, 3103, 3951
RHEUMATIC FEVER: 1712
RHEUMATISM: 1112
RHEUMATOID FACTOR: 24, 3408
RHINITIS: 1174
RHODOPSIN: 2942
RHYTHM METHOD: 3580
RIBONUCLEASE: 669, 1378, 1877, 2025, 2723
RIBONUCLEOPROTEINS: 1075, 2050
RIBONUCLEOSIDES: 1372, 4380
RIBONUCLEOTIDES: 445, 2493
RIBOSOMES: 1469, 2805, 3680
RIBS: 1152, 3972, 4093, 4205
RICIN: 2805–2806
RICKETS: 20, 139, 335, 392, 864, 936, 1067, 1179, 2022, 2526, 2829, 2843, 2956, 3183, 3289, 3399, 3585, 3736, 4083, 4383, 4438
RICKETS, VITAMIN D RESISTANT: 140, 2755
RICKETTSIA: 1469
RIFAMPIN: 509, 1088, 2043, 2127, 2356, 2909, 3282
RISK: 70, 91, 490, 936, 1200, 1216, 1270, 1461, 1597, 1929, 2084, 2304, 2557, 2988, 3244, 3365, 3464, 3499, 3665, 3674, 3895–3896, 4198, 4267, 4425, 4440, 4447
RITODRINE: 4282
RNA: 21, 79, 172, 228, 507, 625, 1253, 1316, 1396, 1601, 1829, 2050, 2120, 2794, 2824, 2970, 3024, 3246, 3279, 4024, 4084, 4233
RNA, MESSENGER: 337, 460, 1045, 1529, 1603–1604, 1716, 1884–1885, 2090, 2353, 2608, 2762, 2859, 2880, 3102, 3279, 3301, 3319, 3342, 3409, 3478, 3686, 4233
RNA, NEOPLASM: 507, 1716
RNA POLYMERASE I: 1601, 2240
RNA POLYMERASE II: 2240
RNA POLYMERASE III: 2240
RNA POLYMERASES: 90, 872, 1601, 2240, 4084
RNA, RIBOSOMAL: 79, 1716, 3279, 3409
RNA, TRANSFER: 4108
RNA, VIRAL: 572
RODENT DISEASES: 2132
RODENTICIDES: 2933
RODENTS: 1818, 3101, 3641, 3974, 4109
RODS AND CONES: 2942, 3797
ROLE: 1411
ROSACEA: 1963, 2144
ROSETTE FORMATION: 2, 1087, 1208, 1230, 1336, 1810, 1813, 2224, 4242
ROTATION: 217, 982, 1891, 2874, 2876
ROTENONE: 86, 4243
RUBELLA: 3251
RUBIDIUM: 405, 724, 2358, 2894, 4185
RUNAWAY REACTION: 690
RUNNING: 3517
RUPTURE, SPONTANEOUS: 3039, 3442, 3637
RURAL HEALTH: 728
RURAL POPULATION: 3585
RUTHENIUM RED: 542, 780, 883

S

SACCHARIN: 416
SACCHAROMYCES: 2917
SACCHAROMYCES CEREVISIAE: 408, 1448, 2861, 4266
SACROCOCCYGEAL REGION: 1574
SAFETY: 4440
SALAMANDERS: 2279
SALICYLATES: 494, 2804
SALICYLAZOSULFAPYRIDINE: 549
SALICYLIC ACIDS: 2924
SALINE SOLUTION, HYPERTONIC: 314, 1926, 2101, 4321
SALIVA: 3432, 4127, 4308
SALIVARY GLAND NEOPLASMS: 2363
SALIVARY GLANDS: 150, 1469, 2457, 2941, 3175
SALIVARY PROTEINS: 2587
SALIVATION: 3401, 3432
SALMON: 822, 844
SALMONELLA TYPHIMURIUM: 1287, 2561
SALMONIDAE: 1994, 2512, 4215
SALTS: 3026
SAPHENOUS VEIN: 738
SAPONINS: 2765
SARALASIN: 82, 109, 333, 1003, 1011, 1062, 1219, 1258, 1494, 1645–1646, 1837, 2130, 2188, 2495, 2649, 2897, 3339, 4165, 4280
SARCOIDOSIS: 675, 857, 961, 1023, 1555, 4025
SARCOLEMMA: 2326, 3770
SARCOMA: 2059, 2397, 3561
SARCOMA 180, CROCKER: 3924
SARCOMA, EWING'S: 3608
SARCOMA, KAPOSI'S: 1961, 1988
SARCOMA, OSTEOGENIC: 2137–2138, 3608, 3785, 4306, 4326
SARCOMA, RETICULUM CELL: 368, 826, 2092, 2710, 2920, 3556, 3854
SARCOPLASMIC RETICULUM: 216, 381, 390, 602, 767, 919–920, 1385, 1528, 2231, 2358, 3670,

3803
SATIATION: 759, 2082, 2943
SCALP: 240, 3274, 4282
SCATTERING, RADIATION: 719, 4162
SCHEUERMANN'S DISEASE: 129
SCHISTOSOMA JAPONICUM: 1991
SCHISTOSOMA MANSONI: 1797
SCHISTOSOMIASIS: 1201
SCHIZOID PERSONALITY: 2707
SCHIZOPHRENIA: 224, 410, 465, 576, 785, 1590, 1614, 1788, 2011, 2042, 2107, 2210, 2707, 2998, 3061, 3622, 4019, 4054, 4154
SCHIZOPHRENIA, CATATONIC: 465, 4054
SCHIZOPHRENIA, CHILDHOOD: 465, 3406
SCHIZOPHRENIA, LATENT: 2011
SCHIZOPHRENIC PSYCHOLOGY: 2011, 2707
SCHOOL HEALTH SERVICES: 122
SCHOOLS, MEDICAL: 2842
SCHWANN CELLS: 1424, 3122
SCIATICA: 3403
SCLERA: 2057, 2975
SCLERODERMA, CIRCUMSCRIBED: 2534, 2718, 3240, 3697
SCLERODERMA, SYSTEMIC: 24, 3240, 3697
SCLEROSING SOLUTIONS: 3571
SCLEROSIS: 1800, 4121
SCOLIOSIS: 1124, 2278
SCORPION VENOMS: 1709
SCOTOMA: 1669
SCROTUM: 1259, 1883, 3250
SEA URCHINS: 2940
SEASONS: 1, 115, 134, 295, 448, 470, 758, 844, 913, 979, 1143, 1212, 1294, 1505, 1602, 1720, 2279, 2667, 3290, 3293, 3625, 3740, 3747, 3974, 3983, 4083, 4389
SEAWATER: 267, 2899, 4195
SEAWEED: 1589
SEBACEOUS GLANDS: 1262, 1338, 3873
SEBORRHEA: 1263, 1416
SEBUM: 3873
SECRETIN: 1063, 3395, 3877
SECRETORY RATE: 238, 333–334, 338, 739, 804, 1094, 1667, 3310, 3471, 3873, 3877, 4235, 4251
SEEDS: 3841
SEIZURES: 46, 374, 1508, 3914
SELECTION (GENETICS): 2822
SELENIUM: 441, 2110
SELENOMETHIONINE: 3859
SELF ADMINISTRATION: 2518, 4018
SELF CONCEPT: 1245, 1514
SELF MUTILATION: 1386, 3329
SELF STIMULATION: 266, 556, 1634, 1688, 2082, 2568, 3003, 3235, 3784, 4085, 4213–4214, 4240
SELLA TURCICA: 1464, 1574, 1865, 2164, 2712, 3480, 3960, 4177
SEMEN: 525, 580, 1005, 1015, 1580, 1874, 2025, 3175, 3378, 3483, 3715, 3740
SEMILUNAR CARTILAGES: 1919
SEMINAL VESICLES: 25, 304, 377, 599, 1092, 1272, 1529, 1633, 1744, 2859, 3228–3229, 3617, 4024, 4322
SEMINIFEROUS EPITHELIUM: 448, 1092, 1541, 4297
SEMINIFEROUS TUBULES: 137, 328, 529, 969, 1015, 1111, 1165, 1617–1618, 1723, 2315, 2531, 2566, 2580, 2621, 2704, 3461, 3618, 3654, 3699, 4105, 4297
SENECIO: 1640
SENSORY DEPRIVATION: 4000, 4363
SENSORY THRESHOLDS: 1139, 4098
SEPHAROSE: 2651
SEPTAL NUCLEI: 1419, 1478, 2039–2040, 3793
SEPTICEMIA: 178, 398, 2136, 2642, 3305
SEPTUM PELLUCIDUM: 272, 792, 968, 1482, 2038–2040, 2052, 2333, 3535, 3746, 3768, 3793, 4404
SERINE: 1260
SEROTONIN: 9, 46, 51, 62, 168, 176, 181, 190, 199, 213, 224, 236–237, 244, 275, 282, 294, 301, 309–310, 343, 355, 374, 407, 410, 414, 424, 465, 482, 540, 553, 592, 663, 667, 683, 685, 696, 698, 706, 712, 729, 738, 772, 789, 807, 871, 966, 977, 1006, 1100, 1147, 1161, 1191, 1202, 1224, 1244, 1247, 1283, 1299, 1314, 1348, 1419, 1455, 1468, 1486, 1543, 1568, 1585, 1640–1641, 1651, 1679, 1713–1714, 1740, 1779, 1795, 1819, 1823–1825, 1890, 1910, 1924–1925, 1986, 1998–1999, 2004, 2013, 2029–2030, 2079, 2100, 2110, 2139, 2141, 2152, 2180–2181, 2233, 2235–2237, 2296, 2304, 2345, 2391, 2393, 2462, 2469, 2485, 2533, 2539, 2573, 2602, 2628, 2634, 2645, 2660, 2662, 2722, 2785, 2803, 2810, 2827, 2868, 2913, 2923, 2957, 2995–2996, 3047, 3070, 3112, 3116, 3143, 3155–3156, 3200, 3207, 3236, 3243, 3270, 3291, 3303–3304, 3341, 3549, 3566, 3627, 3642, 3648, 3688, 3697, 3705, 3710, 3745–3746, 3809, 3819, 3847, 3883, 3903, 3912, 3914, 3931, 3953, 3965, 3992, 3996–3997, 4044, 4068, 4110, 4142–4143, 4157, 4169, 4187, 4212, 4362–4363, 4366
SEROTONIN ANTAGONISTS: 9, 789, 1041, 1247, 1504, 1641, 2004, 2181, 2296, 2722
SEROTYPING: 2136
SERTOLI CELL TUMOR: 1441, 3824
SERTOLI CELLS: 93, 529, 551, 1146, 1165, 1281, 1320, 2531, 2566, 2580, 2621, 2704, 2823, 2877, 3254, 3461, 3654, 3832
SERUM ALBUMIN: 421, 877, 1017, 1230, 1668, 1710, 2043, 2500, 2559, 3222, 3280–3281
SERUM ALBUMIN, BOVINE: 217, 1668, 2561, 3712, 3723, 4010
SERUM GLOBULINS: 132, 1016
SESAME OIL: 1781, 2104
SESQUITERPENES: 1750
SEVIN: 790
SEX: 295, 3989
SEX ATTRACTANTS: 1288
SEX BEHAVIOR: 354, 1172, 1303, 2822, 2976, 3114, 3676, 4180, 4441
SEX BEHAVIOR, ANIMAL: 395, 544, 774, 1242, 1288, 1294, 1505, 1720, 1744, 2406, 2753, 3193, 3290, 3655, 3740, 3880
SEX CHROMATIN: 483, 505, 565, 653, 1079, 1320, 2676, 3216, 3265, 3284, 3718, 3907, 4114
SEX CHROMOSOME ABNORMALITIES: 247, 498, 653, 707, 1707, 1927, 1942, 2148, 2350, 2380, 2444, 2570, 3142, 3315, 3343, 3414, 3470, 3596, 3676, 4109
SEX CHROMOSOMES: 172, 401, 498, 546, 894, 1079, 1151, 1235, 1413, 1748, 1773, 1782, 1814, 1818, 1927, 2026, 2194, 2262, 2486, 2591, 2617, 2650, 2702, 2759, 2777, 2823, 2845, 2888, 2910, 2970, 2991, 3085, 3198, 3284, 3596, 3641, 3693, 3728, 3773, 3783, 3797, 3989, 4418
SEX DETERMINATION: 508, 1132, 1195, 1270, 1662, 1942, 2486, 2617, 2676, 2777, 2847, 3224, 3297, 3363, 4385, 4425, 4440
SEX DEVIATION: 3198
SEX DIFFERENTIATION: 89, 353, 546, 747, 1198, 1303, 1396, 1752, 1834, 2753, 3015, 4008, 4274, 4276
SEX DIFFERENTIATION DISORDERS: 799, 1233, 1942, 4109
SEX DISORDERS: 1172, 3018
SEX FACTORS: 131–132, 150, 194, 205, 283, 393, 502, 617, 745, 894, 900, 974, 1132, 1195, 1216, 1277, 1303, 1335, 1382, 1413, 1493, 1505, 1598, 1652, 1659, 1690, 1968, 1973, 2138, 2182, 2200, 2338, 2431, 2459, 2500, 2514, 2701, 2751, 2865, 2868, 2960, 2972, 2992, 3031, 3297, 3305, 3319, 3332, 3431, 3435, 3454, 3567, 3635, 3699, 3924, 3965, 4098, 4129, 4149, 4184, 4238, 4262
SEX HORMONE BINDING GLOBULIN: 205, 1034, 1755, 1845, 1962, 2247, 3635
SEX HORMONES: 117, 192, 353–354, 378, 515, 591, 834, 846, 1030, 1277, 1280, 1303, 1317, 1493, 1665, 1671, 1741, 1781, 1834, 2032, 2050, 2094, 2098, 2247, 2419, 2431, 2439, 2513, 2711, 2753, 2792, 3020, 3126, 3368, 3774, 3881, 4028, 4053, 4262, 4264, 4276, 4332, 4335, 4431
SEX MATURATION: 279, 371, 1744, 1764, 2077, 2230, 2488, 2514, 2725, 2753, 2826, 3037, 3454, 3550, 3699, 4024, 4369
SEX RATIO: 247, 546, 2386, 2486, 3196, 3641
SEX REVERSAL, GONADAL: 1777, 3596, 4109, 4244
SEZARY SYNDROME: 3424
SHARKS: 711, 1033, 1581, 3774
SHEEP: 104, 135, 171, 208, 218, 363, 472, 547, 632, 866, 901, 1141, 1230, 1444, 1493, 1578, 1660, 1699, 1752, 1756, 1778, 2128, 2219, 2253, 2332, 2335, 2389, 2408, 2441, 2488, 2535, 2709, 2782, 2921, 2985, 3078, 3581, 3617, 3829, 3843, 3869, 3878, 3882, 4004, 4010, 4072, 4114, 4155, 4170, 4222–4223, 4227, 4321
SHEEP DISEASES: 171, 2408, 3078, 4155
SHIVERING: 2276
SHOCK: 328, 1839
SHOCK, HEMORRHAGIC: 1429
SHOCK, SEPTIC: 16, 21, 178, 975, 1391, 1839, 4106–4107
SHOCK THERAPY, ELECTRIC: 224, 3144, 3929
SHOCK, TRAUMATIC: 2478
SHREWS: 3140
SHRIMP: 1751
SIALIC ACIDS: 3324
SIALOGRAPHY: 964
SIGMOID: 2432, 3646
SIGMOID NEOPLASMS: 3646, 4003
SILICA: 269
SILICONES: 950, 1207
SILKWORMS: 2625
SILOXANES: 950
SINUS THROMBOSIS: 3288
SINUSITIS: 560
SITOSTEROLS: 2456, 4288
SITUS INVERSUS: 3393
SJOGREN'S SYNDROME: 24, 2009, 2126, 2653, 4305
SKIN: 86, 282, 644, 665, 769, 781, 806, 832, 905, 937, 943, 983, 1155, 1259, 1300, 1349, 1534, 1544, 1863, 1984, 2127, 2189, 2229, 2279, 2314, 2366, 2554, 2696, 2752, 2780, 2792, 2823, 2829, 2886, 3015, 3026, 3134, 3175, 3240, 3426, 3702, 3765, 3980, 4103, 4119, 4299, 4343
SKIN ABSORPTION: 1822
SKIN DISEASES: 644, 1266, 1428, 1862–1863, 2195, 2503, 2773, 2924, 3782, 3916, 3995, 4427
SKIN DISEASES, BULLOUS: 806, 2229
SKIN NEOPLASMS: 111, 639, 1338, 2145, 2563, 2600, 3477, 3615
SKIN TEMPERATURE: 240
SKIN TESTS: 1069, 3210, 3930
SKIN ULCER: 200, 3274
SKINFOLD THICKNESS: 3062
SKULL: 560, 1151–1152, 1799, 1903, 2596, 3297, 3480, 3963, 4319
SKULL FRACTURES: 560, 3084
SLEEP: 121, 374, 759, 1335, 2602, 2652, 2666, 3088, 3248, 3253, 3257
SLEEP DEPRIVATION: 2007, 2890, 4060
SLEEP DISORDERS: 2854
SLEEP, REM: 2007, 2854
SLEEP STAGES: 759, 2007, 3088
SLOW VIRUS DISEASES: 3213
SMELL: 1288, 1505
SMOKING: 153, 283, 1042, 2988, 3263, 3281, 4447
SNAILS: 3767
SNAKE VENOMS: 2089
SNAKES: 2219, 3962
SOCIAL ADJUSTMENT: 1172, 2555, 3676
SOCIAL BEHAVIOR: 426, 1801, 2840, 3290, 3880, 4180, 4268
SOCIAL CONDITIONS: 295
SOCIAL ENVIRONMENT: 426, 985, 1294, 1744, 3163, 3290, 4371
SOCIAL ISOLATION: 333, 426, 985, 1273, 3163
SOCIETIES, MEDICAL: 2418, 4062, 4408, 4414
SOCIETIES, SCIENTIFIC: 4395, 4397
SOCIOECONOMIC FACTORS: 35, 697, 1270, 2431, 3262, 4371, 4440
SODIUM: 18, 53, 80–81, 94, 186, 319, 365, 381, 389, 543, 545, 581, 617, 633, 714, 724, 776, 832, 837, 851, 897, 952, 955, 992, 1015, 1031, 1050, 1286, 1304, 1349, 1442, 1467, 1473, 1495, 1499, 1550, 1645, 1684, 1757, 1820–1821, 1838, 1881, 1914, 1917, 1924, 2049, 2130, 2134, 2168, 2196–2197, 2205–2206, 2243, 2285, 2290, 2335, 2347, 2355, 2358–2359, 2511, 2535, 2620, 2640, 2660, 2664, 2719, 2752, 2760, 2789, 2796, 2879, 2894, 2899, 2935, 2980, 3067, 3082, 3099–3100, 3123, 3152, 3279, 3304, 3337, 3467, 3546, 3570, 3680, 3716, 3721, 3823, 3850, 3980, 4061, 4073, 4165, 4170, 4195, 4229, 4231, 4235, 4269, 4280, 4294, 4321, 4379
SODIUM CHLORIDE: 267, 314, 322, 336, 416, 836, 932, 1351, 1387, 1559, 1757, 2197, 2415, 2950, 3027, 3355, 3486, 3542, 3567, 3672, 4110, 4223, 4321, 4358
SODIUM ETIDRONATE: 794, 2738
SODIUM FLUORIDE: 140, 142, 243, 656, 1183, 1332, 1384, 1812, 3582, 3587, 3770, 4129
SODIUM GLUTAMATE: 3822
SODIUM IODIDE: 3571, 3662
SODIUM NITRITE: 1261
SODIUM OXYBATE: 2008, 3738
SODIUM SALICYLATE: 1725
SOFT TISSUE NEOPLASMS: 1988, 3608, 3785

SOIL: 125, 4316, 4350
SOIL MICROBIOLOGY: 1442
SOIL POLLUTANTS, RADIOACTIVE: 1
SOLANACEOUS ALKALOIDS: 2103, 2263
SOLUBILITY: 468, 897, 911, 1003, 1366, 1958, 2201, 2449, 2512, 2917, 3418, 3476, 4227, 4272, 4342
SOLUTIONS: 669, 1128, 3438, 4063
SOLVENTS: 3026
SOMATOMEDIN: 228, 591, 629, 903, 2090, 2159, 2211, 2429, 2593, 3124, 4209
SOMATOTROPIN: 6, 43, 96, 98, 142–143, 218, 221, 228, 267, 331, 380, 387, 412, 471, 496, 512, 528, 572, 591, 625, 629, 645, 782, 800, 812, 829, 901, 903, 917, 928, 970, 990, 1031, 1049, 1123, 1126, 1144, 1401, 1407, 1415, 1453, 1462, 1465, 1470, 1547, 1567, 1636, 1722, 1752, 1772, 1783, 1885, 1987, 1994, 2090, 2107, 2113, 2131, 2159, 2196, 2230, 2277, 2408, 2429, 2458, 2481, 2527, 2569, 2571, 2593, 2775, 2889, 2918, 2921, 3086, 3088, 3097, 3149, 3158, 3182, 3261, 3299, 3306, 3308, 3397, 3429, 3472, 3527, 3630, 3657, 3682, 3685, 3790, 3825, 3948, 3978, 4037, 4045, 4053, 4055, 4069, 4079, 4164, 4184, 4186, 4207, 4331, 4387
SOMATOTROPIN RELEASE INHIBITING HORMONE: 6, 108, 269, 344, 691, 858, 977, 1063, 1364, 1425, 1687, 1713, 1851, 2055, 2098, 2140, 2450, 3533
SOMATOTROPIN RELEASING HORMONE: 953, 1667, 2846
SONICATION: 3675
SORBITOL: 925
SOTALOL: 2534
SOUND: 46, 2002
SOY BEANS: 2550
SPACE FLIGHT: 3082
SPACE PERCEPTION: 1711, 4404
SPASM: 411, 3161, 4175
SPASMS, INFANTILE: 3213
SPECIES SPECIFICITY: 101, 104, 556, 599, 634, 705, 817, 1120, 1220, 1442, 1455, 1505, 1578, 1652, 1720, 1783, 1787, 1818, 1902, 2102, 2199, 2325, 2519, 2537, 2656, 2824, 2837, 2865, 2910, 3086, 3283, 3319, 3352, 3363, 3704, 3771, 3940, 4010, 4171, 4222, 4375
SPECIMEN HANDLING: 164, 773, 2454, 4131
SPECTROMETRY, FLUORESCENCE: 553, 602, 930, 1385, 1660, 1668, 1868, 1946, 2317, 2378, 3555, 3697, 4057
SPECTROMETRY, GAMMA: 1828
SPECTROPHOTOMETRY: 522, 602, 1420, 1660, 2517, 3868, 3963, 3972
SPECTROPHOTOMETRY, ATOMIC ABSORPTION: 4349
SPECTROPHOTOMETRY, INFRARED: 2607
SPECTROPHOTOMETRY, ULTRAVIOLET: 1252, 1668, 2061, 4071, 4086
SPECTRUM ANALYSIS: 2033
SPECTRUM ANALYSIS, MASS: 106, 927, 1300, 2225, 2234, 2371, 2652, 2716
SPEECH DISCRIMINATION TESTS: 3169
SPEECH DISORDERS: 728
SPEECH PERCEPTION: 3169
SPERM CAPACITATION: 695, 1753
SPERM HEAD: 551, 2307, 3522
SPERM MOTILITY: 2877, 3740, 3837, 4281
SPERM TAIL: 3522
SPERM TRANSPORT: 969, 1753
SPERMATIC CORD TORSION: 1883, 3969
SPERMATIDS: 328, 551, 1092, 1320, 1617, 2580, 2692, 3254, 3654
SPERMATOCYTES: 328, 498, 1092, 1320, 1617, 2517, 2580, 3311, 3654, 4369
SPERMATOGENESIS: 25, 30, 115, 328, 354, 498, 525, 551, 1092, 1617–1618, 1633, 1693, 1753, 1874, 1991, 2111–2112, 2247–2248, 2536, 2580, 2733, 2877, 2948, 3127, 3311, 3379, 3572, 3650, 3654, 3690, 4281
SPERMATOGONIA: 1320, 1617–1618, 2580, 3654, 4369
SPERMATOZOA: 162, 171, 498, 551, 695, 1005, 1015, 1053, 1611, 1617–1618, 1633, 1693, 1753, 1874, 1991, 2111–2112, 2307, 2441, 2517, 2580, 2692, 3127, 3254, 3377, 3379, 3522, 3537, 3654, 3715, 4114, 4281
SPERMIDINE: 699, 1604
SPERMINE: 3537
SPHENOID BONE: 1436, 2958
SPHENOID SINUS: 4045
SPHINGOMYELIN PHOSPHODIESTERASE: 526
SPHINGOMYELINS: 3258
SPIDER VENOMS: 760
SPINAL CORD: 14, 213, 867, 1202, 1913, 2114, 2391, 3444, 3549, 3642, 4316
SPINAL CORD DISEASES: 213
SPINAL CORD INJURIES: 3713, 3781
SPINAL DISEASES: 129, 2720
SPINAL FUSION: 3781
SPINAL INJURIES: 3781
SPINAL NEOPLASMS: 129, 2093, 4093
SPINAL NERVE ROOTS: 2749
SPINE: 1960, 3972
SPIPERONE: 655, 1609, 2391, 3802
SPIRONOLACTONE: 70, 135, 630, 994, 1122, 1398, 1467, 1484, 1757, 2519, 2909, 3364, 3425, 3573, 3870, 4146
SPLANCHNIC NERVES: 3394
SPLEEN: 47, 110, 258, 326, 413, 598, 733, 1230, 1340, 2265, 2334, 2455, 2631, 2654, 2823, 2837, 2916, 2934, 3140, 3166, 3361, 3562, 3666, 3668, 3928, 4147, 4160
SPLENECTOMY: 4, 152, 413, 431, 3034, 3525
SPLENIC DISEASES: 1058, 2150, 2363
SPLENOMEGALY: 1423, 1623, 3168, 3864
SPONDYLITIS: 129
SPONDYLITIS, ANKYLOSING: 494, 1960, 2720
SPORES, FUNGAL: 1657
SPORT MEDICINE: 3237, 3517
SPREADING CORTICAL DEPRESSION: 1702
SPRUE: 1188, 1510, 2037, 2653, 4050
SQ 20881: 82, 1629, 3890
SQUID: 2902, 3570
SQUIRREL MONKEYS: 1505, 2840, 2961, 3154, 3372
SRS-A: 1805, 2539
STAINS AND STAINING: 31, 366–367, 1235, 1818, 3284, 3399, 3693, 4131
STANOLONE: 197, 569, 594, 1280, 1317, 1433, 1705, 1790, 1845, 2032, 2182, 2247, 2513, 2590, 2651, 2757, 3064, 3228, 3378, 3563, 4034, 4264, 4332, 4385
STAPEDIUS: 964
STAPHYLOCOCCAL INFECTIONS: 3613, 4192
STAPHYLOCOCCUS AUREUS: 3613
STARCH: 3990
STARTLE REACTION: 2840
STARVATION: 1192, 1901, 1994, 3993, 4232
STATISTICS: 764, 965, 1922, 2912, 3033
STATUS EPILEPTICUS: 259
STEIN-LEVENTHAL SYNDROME: 442, 865, 1840, 2261, 2387, 2893, 2990, 3396, 3902, 3960
STEREOISOMERS: 343, 3232, 3418, 3876
STEREOTYPED BEHAVIOR: 288, 630, 655, 1986, 4110, 4366
STERIGMATOCYSTIN: 3855
STERILITY: 1750, 3715
STERILITY, FEMALE: 156, 356, 430, 687, 708, 947, 1197, 1223, 1447, 2384, 3105, 3503, 3837, 3917, 4346
STERILITY, MALE: 30, 137, 551, 580, 737, 1005, 1053, 1511, 1580, 2230, 2536, 2570, 2621, 2733, 3128, 3379, 3449, 3483, 3574, 3650, 4105, 4136, 4281
STERILIZATION, SEXUAL: 93, 175, 1411
STERILIZATION, TUBAL: 2421, 3111
STERNUM: 1739, 3267
STEROID-17-HYDROXYLASE: 1764
STEROID HYDROXYLASES: 135, 170, 436, 880, 1764, 2371, 3385
STEROID ISOMERASES: 2812
STEROIDS: 106, 173, 223, 358, 362–363, 434, 572, 911, 1207, 1271, 1344, 1955, 2090, 2097, 2276, 2476, 2478, 2529, 2542, 2561, 2599, 2753, 2865, 3064, 3107, 3129, 3415, 3500, 3603, 3904, 4029, 4119, 4121, 4251, 4289, 4395
STEROIDS, HETEROCYCLIC: 1691
STEROLS: 1337, 2917, 4238
STICKLEBACKS: 267
STIMULATION, CHEMICAL: 148, 206, 232, 258, 305–307, 334, 462, 815, 852, 906, 1002, 1453, 1860, 1997, 2170, 2832, 2846, 3299, 3370, 3503, 3541, 3553, 3679, 3682, 3877, 3991, 4315, 4423
STOCHASTIC PROCESSES: 118
STOMACH: 1443, 2109, 2564, 3121, 3175, 4147, 4221–4222
STOMACH NEOPLASMS: 1063, 1217, 1675, 2244, 3030
STOMACH ULCER: 324, 615, 1746, 2122, 2564, 3536, 3988
STOMATITIS: 3035, 3643, 3895–3896
STRABISMUS: 50, 2975, 3085, 3214, 3535, 4130
STREPTOCOCCAL INFECTIONS: 1005, 1339, 1712, 2815, 3305
STREPTOCOCCUS: 1005
STREPTOCOCCUS FAECALIS: 4227
STREPTOCOCCUS PNEUMONIAE: 2653
STREPTOKINASE: 996
STREPTOMYCIN: 2356, 3282
STREPTOZOTOCIN: 154, 229, 2948
STRESS: 235, 424, 493, 516, 693, 959, 1054, 1068, 1114, 1236, 1280, 1302, 1363, 1365, 1607, 1980, 2325, 2455, 2478, 2681, 2727, 3245, 3306, 3454, 3519, 3622, 3683, 3720, 3930, 3971
STRESS, MECHANICAL: 386, 632, 798, 982, 1436, 2453, 2874, 2876, 3329
STRESS, PSYCHOLOGICAL: 201, 349, 426, 615, 922, 1074, 1126, 1273, 1341, 1447, 1506, 2304, 2438, 2499, 2992, 3355, 3744
STROKE VOLUME: 364, 2742
STRONGYLOIDIASIS: 987
STRONTIUM: 3572
STRONTIUM RADIOISOTOPES: 1, 2838
STRUCTURE-ACTIVITY RELATIONSHIP: 106, 144, 149, 223, 387, 399, 514, 657, 838, 984, 1296, 1366, 1584, 1631, 1691, 1754, 1778, 1878, 1904, 1935, 1959, 2214, 2223, 2297, 2516, 2519, 2562, 2574, 2605, 2679, 2698, 2812, 3017, 3069, 3094, 3139, 3162, 3255–3256, 3362, 3380, 3412, 3418, 3451, 3465, 3605, 3876, 4032, 4056, 4142–4143, 4158, 4227, 4277–4278, 4295
STRUMA OVARII: 3957
STUDENTS: 900, 2992
STURGE-WEBER SYNDROME: 3214
SUBARACHNOID HEMORRHAGE: 1679, 4265
SUBCELLULAR FRACTIONS: 408, 574, 802, 890, 956, 1173, 1396, 1657, 1887, 1980, 2142, 2264, 2299, 2448, 2450, 2965, 3074, 3649, 3679, 4195, 4381
SUBFORNICAL ORGAN: 2056
SUBMANDIBULAR GLAND: 5, 333–334, 1600, 2050–2051, 2492, 2844, 3063
SUBSTANCE P: 610, 977, 1417, 1898, 2749, 3100, 3533, 4117
SUBSTANTIA NIGRA: 683, 1878, 2629–2630, 3705, 4240
SUBSTRATE SPECIFICITY: 39, 72, 168, 559, 993, 1573, 1658, 1959, 2411, 2821, 3138, 3255, 3340, 3602, 3619
SUCCINATE DEHYDROGENASE: 250, 1190, 1608, 1643, 2075, 2965
SUCCINATES: 724, 1721, 2089, 4142, 4234
SUCCINIMIDES: 860
SUCCINYLCHOLINE: 661, 2885
SUCKING BEHAVIOR: 895
SUCROSE: 3486
SUCTION: 1669
SUICIDE: 465, 2992
SUICIDE, ATTEMPTED: 2992, 4435
SULFANILAMIDES: 2559
SULFATASES: 160, 254
SULFATES: 2097, 2302, 2593
SULFATIDES: 1628
SULFHYDRYL COMPOUNDS: 149, 2089, 2574
SULFHYDRYL REAGENTS: 1546, 2861
SULFIDES: 2734
SULFINPYRAZONE: 696, 1293
SULFONAMIDES: 890, 2136, 2804, 2961
SULFONES: 2127, 3916
SULFUR: 761, 1994
SULFURIC ACID ESTERS: 1282
SULFURTRANSFERASES: 3569, 3602–3603
SULINDAC: 494
SULPIRIDE: 1100, 2791
SUNLIGHT: 3019
SUPERIOR COLLICULUS: 177, 273, 705, 2827
SUPEROVULATION: 164, 2736
SUPEROXIDE DISMUTASE: 446, 1681
SUPRAOPTIC NUCLEUS: 38, 56, 61, 367, 968, 1185, 2054, 2406, 2544, 2613, 2636, 3372, 3971, 4352
SURFACE PROPERTIES: 897, 2184, 2575
SURGERY: 2244
SURGERY DEPARTMENT, HOSPITAL: 786
SURGERY, OPERATIVE: 369, 1134, 1882, 2019,

2501, 3720, 3734, 3825, 4042
SURGERY, ORAL: 3896
SURGERY, PLASTIC: 769, 2554, 4275
SURGICAL INSTRUMENTS: 1436
SURGICAL WOUND INFECTION: 504, 1513, 1866, 3677, 4192, 4271
SUSPENSIONS: 3628, 4257–4258
SUTURE TECHNICS: 1777, 3918
SV40 VIRUS: 614
SWEAT: 2818, 3271
SWEATING: 2348
SWIMMING: 1302, 1850, 3771
SWINE: 315, 388, 417–418, 444, 463, 514, 577, 654, 668, 987, 1044, 1366, 1493, 1546, 1578, 1583, 1768, 1778, 1784, 1901–1902, 1946, 1975, 2095, 2398, 2715, 2821, 2984, 3037, 3188, 3221, 3303, 3647, 3706, 3857, 3893, 3926, 4010, 4052, 4122, 4272, 4302–4303, 4313
SWINE DISEASES: 987
SYMPATHECTOMY: 10, 867, 2204, 4120
SYMPATHETIC NERVOUS SYSTEM: 10, 14, 187, 280, 545, 624, 824, 1713, 1881, 2106, 2286, 2304, 2325, 2620, 3252, 3620, 3627
SYMPATHOLYTICS: 1085, 2813, 3103
SYMPATHOMIMETICS: 867, 1069, 1438, 1556, 1702, 1745, 2100, 2581, 2619
SYNAPSES: 236–237, 792, 1886–1887, 2106, 2351, 2484, 2633, 2827, 3159, 3482, 3767
SYNAPTIC MEMBRANES: 543
SYNAPTIC RECEPTORS: 301, 540, 3221, 3746
SYNAPTIC VESICLES: 1819, 2184, 3970
SYNAPTOSOMES: 343, 891, 1081, 1641, 1740, 3423, 3688, 3819, 4169
SYNDACTYLIA: 3849
SYNDROME: 41, 50, 66, 116, 519, 523, 620, 639, 707, 728, 741, 781, 799, 1124, 1210, 1297, 1371, 1518, 1571, 1741, 1772, 1909, 1943, 2011, 2020, 2183, 2197, 2208, 2257, 2259, 2278, 2295, 2444, 2549, 2781, 2846, 2888, 2892, 2975, 3083, 3268, 3271, 3375, 3399, 3559, 3622, 3639, 3773, 3849, 3933, 3995, 4101, 4130, 4167, 4228, 4319
SYNOSTOSIS: 3849
SYNOVIAL CYST: 303
SYNOVIAL FLUID: 2683, 3320, 3992
SYNOVIAL MEMBRANE: 1919, 2260, 2339, 2670, 3232, 4315
SYNOVITIS: 2339
SYPHILIS: 3251
SYPHILIS, CONGENITAL: 1588, 3176
SYSTEMS ANALYSIS: 4254

T

TABLETS: 243, 2858, 4256
TACHYCARDIA: 2408, 3106
TACHYCARDIA, PAROXYSMAL: 2304
TAIL: 1043, 1137, 2990
TAMOXIFEN: 211, 1575, 1780, 2639, 2745
TANGIER DISEASE: 284
TANTALUM: 1489
TARTRAZINE: 562, 3755
TASK PERFORMANCE AND ANALYSIS: 479
TASTE: 1070, 2783
TAURINE: 374, 977, 2476, 3005
TAUROCHOLIC ACID: 1763
TAY-SACHS DISEASE: 4156
TECHNETIUM: 5, 29, 406, 598, 794, 1156, 1368, 1903, 1906, 1920, 2289, 2432, 2811, 3029, 3336, 3430, 3785, 3910, 3968–3969, 4248, 4306
TECHNOLOGY, RADIOLOGIC: 3101, 3554
TEGMENTUM MESENCEPHALI: 177, 2039, 2568, 3784
TEICHOIC ACIDS: 4227
TELANGIECTASIS: 1371, 1963
TELENCEPHALON: 251, 2040, 2866
TEMPERATURE: 217, 244, 360, 883, 918, 1289, 1366, 1385, 1459, 1660, 1874, 1946, 2184, 2186, 2561, 2692, 2744, 2826, 2917, 3066, 3270, 3400, 3476, 3563, 3583, 3894, 3939, 4140, 4146
TEMPLATES: 788, 3478
TEMPORAL ARTERIES: 3763
TEMPORAL ARTERITIS: 1347, 3274, 3763
TEMPORAL LOBE: 414, 2730
TEMPOROMANDIBULAR JOINT: 4199
TEMPOROMANDIBULAR JOINT SYNDROME: 3452, 4199
TENDONS: 2990, 4112
TERATOGENS: 743, 1261, 1733, 2781, 4410
TERATOID TUMOR: 159, 550, 717, 796, 879, 886, 1074, 1490, 1574, 1621, 1736, 1927, 2163, 2200, 2457, 2862, 2932, 2946, 3142, 3197, 3696, 3814, 3957, 4172
TERBUTALINE: 951, 2447, 2619
TERRITORIALITY: 2930
TESTICULAR DISEASES: 1359, 1564, 1665, 2111–2112, 2298, 3969, 4155, 4281
TESTICULAR FEMINIZATION: 84, 707, 1942, 2566, 3015, 3618, 3991, 4109
TESTICULAR NEOPLASMS: 118, 138, 268, 440, 561, 678, 797, 879, 886, 941, 960, 1074, 1216, 1276, 1376, 1423, 1472, 1490, 1533, 1735–1738, 1928, 1942, 2081, 2163, 2298, 2362, 2502, 2506, 2703, 2857, 2946, 3089, 3119, 3267, 3272, 3556, 3608, 3618, 3696, 3814, 3824, 3855, 3915, 3934, 3961, 4433
TESTIS: 31, 87, 93, 115, 137, 151, 169, 171, 250, 286, 304, 328, 341, 353–354, 372, 377, 425, 448, 500, 529, 551, 574, 580, 599, 636, 668, 707, 747, 749, 758, 766, 899, 911–912, 969, 1005, 1015, 1092, 1111, 1165, 1272, 1279, 1281, 1292, 1320, 1379, 1388, 1502, 1516, 1541, 1564, 1611, 1617–1618, 1633, 1690, 1693, 1707, 1720, 1723, 1744, 1753, 1814, 1874, 1883, 1936, 1991, 2020, 2046–2047, 2111–2112, 2182, 2203, 2219, 2230, 2247–2248, 2298, 2315, 2389, 2398–2399, 2417, 2422, 2488, 2517, 2519, 2536, 2566, 2580, 2621, 2654–2655, 2684, 2692, 2704, 2753, 2815, 2823, 2826, 2833, 2898, 2948, 3096, 3114, 3127, 3140, 3223, 3239, 3241, 3250, 3315, 3334, 3342, 3371, 3375, 3377, 3393, 3402, 3461, 3521–3523, 3564, 3572, 3574, 3618, 3654, 3666, 3669, 3699, 3739, 3747, 3775–3776, 3780, 3832, 3943, 3996, 4012, 4024, 4080, 4105, 4109, 4152, 4155, 4276, 4281, 4297, 4361, 4368–4369, 4385
TESTOSTERONE: 30, 112, 115, 134, 151, 170, 191–193, 197, 205, 208, 211, 278, 286, 295, 304, 311, 353, 400, 442, 488, 525, 532, 569, 578, 603, 636, 737, 744, 749, 766, 784, 802, 816, 865, 880, 898, 911, 913, 1034, 1092, 1136, 1142, 1146, 1199, 1206, 1249, 1259, 1264, 1277, 1280, 1292, 1294, 1317, 1393, 1426–1427, 1433, 1471, 1498, 1505, 1529, 1601, 1633, 1652–1653, 1671, 1680, 1704–1705, 1716, 1720, 1744, 1781, 1834, 1840, 1863, 1874, 1936, 1962, 1972, 2032, 2035, 2069, 2193, 2220, 2230, 2240, 2247–2248, 2337, 2365, 2389, 2399, 2422, 2488, 2513–2514, 2590, 2599, 2621, 2680, 2696, 2733, 2746, 2757, 2877, 2880, 2886, 2898, 2948, 2960, 2973–2974, 2976–2977, 3018, 3096, 3120, 3131, 3165, 3228, 3239, 3307, 3334, 3363, 3367, 3378–3379, 3385, 3402, 3405, 3451, 3470, 3513, 3639, 3649–3650, 3655, 3678, 3699, 3715, 3740, 3753, 3758, 3780, 3790, 3800, 3812, 3880, 3901, 3924, 3943, 3991, 3996, 4012, 4030, 4034, 4065, 4077–4078, 4136, 4144, 4153, 4245, 4251, 4324, 4332, 4373, 4385, 4400, 4442
TESTOSTERONE 5-ALPHA-REDUCTASE: 802, 3451, 4078
TETANUS: 3585
TETANUS TOXIN: 2492
TETANUS TOXOID: 3695
TETANY: 44, 242, 2540, 4270
TETRACAINE: 780, 2302, 2765, 3545
TETRACYCLINE: 173, 434, 2136, 2860, 3924
TETRACYCLINES: 2144
TETRADECANOYLPHORBOL ACETATE: 1935, 3615
TETRAHYDROCANNABINOL: 4291
TETRAHYDROCORTISOL: 1282, 2221, 4016
TETRAHYDROCORTISONE: 1282, 4016
TETRAHYDROFOLATE DEHYDROGENASE: 1884
TETRAHYDRONAPHTHALENES: 169
TETRAHYMENA PYRIFORMIS: 729, 3493
TETRAZOLIUM SALTS: 1513, 1521
TETRODOTOXIN: 760, 1103, 1684, 1917, 2649
THALAMIC NUCLEI: 1711, 2133, 2280, 3373
THALAMUS: 37, 114, 177, 245, 667, 705, 1033, 2038–2040, 2052, 2783, 2969, 3598, 3768, 3793, 4032, 4354, 4404
THALASSEMIA: 2491
THALLIUM: 2067, 2689, 3669, 3909, 3968
THECA CELL TUMOR: 646, 3532
THECA CELLS: 453, 537, 1373, 2208
THEOPHYLLINE: 107, 421, 729, 792, 918, 1208, 1473, 1581, 1884, 2167, 2403, 2619, 2662, 2758, 3041, 3386, 3466, 3582, 3692, 3727, 3786, 3868, 3978, 4138
THERAPEUTIC EQUIVALENCY: 3735
THERMODYNAMICS: 217, 657, 724, 832, 1296, 2744, 3757
THERMOGRAPHY: 256, 2105, 2119, 4081
THERMOLYSIN: 1902
THETA RHYTHM: 4404
THIAMINE PYROPHOSPHATASE: 551
THIGH: 3430
THIMEROSAL: 3583
THIO-TEPA: 3924
THIOBARBITURATES: 4295
THIOCARBAMATES: 3070
THIOCYANATES: 153, 209, 376, 1218, 1548, 1695, 2190, 2861, 3026, 3263, 3283, 3383, 3433, 3712, 3853
THIOGLYCOLATES: 391
THIOGLYCOSIDES: 2648
THIOGUANINE: 152, 1160, 4398
THIOLESTER HYDROLASES: 2700
THIOPENTAL: 2008, 3738, 3755
THIOPHENES: 120
THIOSEMICARBAZONES: 1509, 2599
THIOSTREPTON: 3153
THIOSULFATES: 1548, 1560
THIOURACIL: 3817
THIOUREA: 188, 615, 1096, 2933, 2982, 3093, 3170
THIRST: 2082, 3310
THORACIC DISEASES: 1058, 2150
THORACIC DUCT: 212
THORACIC NEOPLASMS: 694, 2563
THORACIC RADIOGRAPHY: 3469, 3554
THORACIC VERTEBRAE: 4093
THORAX: 50, 1124, 1739, 4388
THROMBIN: 204, 446
THROMBOCYTOSIS: 2785, 3022
THROMBOEMBOLISM: 277, 1435, 1461, 2988, 4284
THROMBOPENIA: 1257, 1400, 1533, 1679, 2588, 2668, 3357, 4284
THROMBOPHLEBITIS: 398, 1435, 2487, 3262
THROMBOPLASTIN: 3911
THROMBOSIS: 204, 348, 715, 770, 1010, 1672, 2530, 2603, 4163
THROMBOXANE A2: 316, 562, 1225, 1298–1299, 1358, 1584, 1849, 2003, 2603, 2698
THROMBOXANE B2: 88, 1080, 1299, 1849
THROMBOXANE SYNTHETASE: 1298, 4272
THROMBOXANES: 88, 329, 1298–1299, 1358, 1536, 1584, 1849, 2003, 2342–2343, 2698, 3358, 4200
THUMB: 3559
THYMECTOMY: 2, 681, 1430, 2311, 2941, 3764, 3859
THYMIDINE: 1146, 1424, 1617, 1813, 2680, 2837, 2952, 3012, 3530, 3778, 3872, 4226
THYMIDYLATE SYNTHETASE: 641
THYMOMA: 2, 32, 326, 1171, 1178, 1654, 1988, 2200, 2270, 2467, 2819, 3859
THYMOPOIETINS: 4152
THYMOSIN: 124, 2303, 2446
THYMUS EXTRACTS: 3285
THYMUS GLAND: 2, 32, 41, 212, 234, 326, 373, 733, 928, 1230, 1253, 1695, 2200, 2265, 2303, 2472, 2941, 3107, 3562, 3732, 3762, 3764, 3859, 4160, 4309, 4375
THYMUS HORMONES: 124, 2303, 2446, 3285, 4152
THYMUS HYPERPLASIA: 2, 2200, 3859
THYMUS NEOPLASMS: 2, 32, 234, 326, 570, 928, 1171, 1178, 1654, 1988, 2062, 2200, 2467, 2819, 3092, 3859
THYROGLOBULIN: 127, 194, 357, 499, 1222, 1290, 1809, 2307, 2360, 2623, 2927, 3192, 3203, 3255, 3409, 3597, 3964, 4173, 4396
THYROGLOSSAL CYST: 3743
THYROID ANTAGONISTS: 958, 1437, 1952, 2955, 3244, 3660, 3817, 4300, 4424, 4428
THYROID DISEASES: 29, 320, 492, 638, 652, 722, 741, 852, 929, 1117, 1175, 1222, 1322, 1522, 1593, 1683, 1933–1934, 2119, 2150, 2363, 2396, 2553, 2721, 2768, 2881, 2912, 2927, 3192, 3203, 3434, 3543, 3551, 3831, 4081, 4173, 4181, 4202, 4220, 4331
THYROID FUNCTION TESTS: 29, 131, 320, 652, 852, 958, 1029, 1404, 1430, 1476, 1517, 1592, 1888, 2583, 2768, 2881, 3192, 3366, 3421–3422, 3430, 3708, 3817, 4047, 4202, 4386, 4424
THYROID GLAND: 3, 5, 29, 69, 131, 180, 194, 209, 231, 293, 351, 370, 409, 499, 522, 606, 621, 700, 730, 800, 813, 821, 845, 891, 967, 1000, 1035,

1043, 1048, 1106, 1110, 1143, 1150, 1157, 1181, 1272, 1290, 1326, 1339, 1517, 1532, 1602, 1622, 1697, 1720, 1809, 1865, 1876, 1949, 1979, 2008, 2041, 2103, 2120, 2230, 2283, 2360, 2548, 2583, 2627, 2672–2673, 2740, 2754, 2763, 2826, 2882–2883, 2890, 2929, 2944, 2947, 2954–2955, 2990, 3038, 3073, 3149, 3192, 3253, 3255–3256, 3409, 3427, 3430, 3436, 3487, 3669, 3707–3708, 3725, 3743, 3752, 3762, 3796, 3820, 3831, 3879, 3893, 3918, 3932, 3949, 3962, 3964, 3968, 4006–4007, 4031, 4039, 4047, 4084, 4173, 4186, 4206, 4220, 4250, 4255, 4277, 4327, 4351, 4396, 4453

THYROID HORMONES: 29, 291, 437, 521, 591, 620, 657, 700, 744, 800, 958, 1000, 1150, 1361, 1459, 1476, 1522, 1539, 1547, 1703, 1783, 1905, 1987, 2031, 2098, 2191, 2196, 2283, 2890, 2913, 3020, 3222, 3260–3261, 3308, 3427, 3722, 4028, 4186, 4300, 4387, 4396

THYROID NEOPLASMS: 64, 127, 256, 443, 600, 635, 638–639, 648, 691, 722, 740, 779, 813–814, 850, 852–853, 868, 874, 929, 973, 1039, 1046–1047, 1175, 1217, 1222, 1336, 1338, 1390, 1406, 1472, 1483, 1487, 1635, 1767, 1830, 1833, 2092, 2099, 2119, 2145, 2244, 2394, 2452, 2498, 2557, 2563, 2627, 2637, 2689, 2731, 2818, 2869, 3029, 3151, 3174, 3196, 3441, 3462, 3477, 3515, 3561, 3700, 3732, 3743, 3915, 3932, 3935–3936, 3968, 4031, 4046, 4081, 4093, 4181, 4202, 4236

THYROIDECTOMY: 300, 460, 813–814, 952, 1222, 1443, 1458, 1622, 1767, 1842, 1952, 2008, 2018, 2032, 2099, 2279, 2452, 2913, 3073, 3196, 3206, 3308, 3462, 3661, 3722, 3816, 3932, 3983, 4236

THYROIDITIS: 1404, 2653, 2795, 3044, 3909, 3932, 4307, 4327

THYROIDITIS, LYMPHOMATOUS: 595, 885, 1400, 2009, 2360, 2405, 3203, 3561, 4173

THYRONINES: 4333

THYROTROPIN: 3, 195, 202, 231, 320, 345, 582–583, 597, 652, 710, 730, 852, 873, 990, 1029, 1035, 1048, 1056, 1239, 1255, 1290, 1364, 1404, 1407, 1434, 1478, 1485, 1622, 1673, 1683, 1687, 1710, 1743, 1939, 2080, 2120, 2257, 2272, 2396, 2416, 2452, 2721, 2856, 2936, 2955, 3136, 3260–3261, 3306, 3308, 3427, 3527, 3531, 3551, 3633, 3662, 3681–3682, 3752, 3760, 3796, 3813, 3820, 3949, 4013, 4031, 4053, 4069, 4181, 4186, 4250, 4295, 4300, 4307, 4359, 4387, 4396

THYROTROPIN RELEASING HORMONE: 195, 202, 345, 351, 585, 612, 701, 710, 852, 858, 1029, 1048, 1192, 1215, 1333, 1415, 1434, 1478, 1592, 1673, 1775, 2035, 2098, 2113, 2207, 2241, 2388, 2416, 2450, 2749, 2955, 3069, 3429, 3527, 3681, 3683, 3708, 3760, 3796, 3817, 4021, 4031, 4063, 4085, 4149, 4181, 4186, 4202, 4324, 4359

THYROXINE: 3, 71, 131, 189, 221, 230, 235, 293, 320, 331, 420, 484, 492, 521–522, 533, 582, 620, 652, 773, 844, 873, 891, 990, 1035, 1048, 1051, 1137, 1148, 1154, 1158, 1181, 1192, 1255, 1290, 1326, 1412, 1437, 1496, 1526, 1592–1593, 1603, 1616, 1622, 1668, 1683, 1710, 1720, 1731, 1743, 1789, 1807, 1827, 1842, 1933, 1945, 1949–1950, 1994, 2028, 2031, 2083, 2090, 2231, 2239, 2257, 2279, 2416, 2452, 2473, 2521, 2583, 2607, 2622–2623, 2648, 2678, 2681, 2740, 2768, 2794, 2826, 2839, 2881, 2890, 2913, 2918, 2944, 2955, 2971, 3073, 3136, 3192, 3260, 3298, 3330, 3350, 3421–3422, 3427, 3448, 3543, 3546, 3633, 3640, 3662, 3735, 3752, 3760, 3796, 3826, 3947, 4181, 4186, 4202, 4255, 4296, 4300–4301, 4307, 4333

THYROXINE BINDING PROTEIN: 131–132, 379, 1048, 1710, 1807, 2583, 3222, 3260, 3427, 4333, 4437

TIBIA: 970, 1164, 1625, 2183, 2249, 2532, 2874–2876, 3963, 4328

TIBIAL FRACTURES: 1368, 2232, 2249

TICKS: 1469

TILETAMINE: 661

TIME FACTORS: 13, 42–43, 53, 75, 87, 92, 166, 170, 200, 219, 232, 257, 280, 282, 288, 300, 309, 314, 333–334, 356, 374, 395, 400, 424–425, 428, 430, 462, 481, 503–504, 506, 512–513, 527, 532, 536, 543, 556, 571, 574, 581, 588, 592, 602, 608, 611, 613, 630, 632, 642, 655, 662, 669, 681, 683, 707, 725, 727, 733, 735, 746, 752, 755, 761, 763, 774, 778–779, 790, 808–809, 813–814, 823, 868, 887, 907, 915, 918, 926, 953–954, 972, 994, 1043, 1070–1071, 1145, 1185, 1216, 1227, 1232, 1236, 1242, 1273, 1302, 1314–1315, 1345, 1351, 1388, 1395, 1402, 1426–1427, 1455–1456, 1459, 1473, 1478, 1490, 1523, 1526, 1558, 1562, 1589, 1608, 1624, 1627, 1640, 1642, 1667, 1675, 1684, 1693, 1709, 1725, 1733, 1749, 1764, 1798, 1820–1821, 1823–1824, 1850, 1895, 1901, 1937–1938, 1958, 1969, 1985–1986, 1989, 1997, 2001, 2015–2016, 2028, 2044, 2050–2051, 2067, 2082, 2088, 2093–2095, 2099, 2109, 2117–2118, 2122, 2146, 2186, 2235, 2265, 2312, 2318, 2335, 2347, 2361, 2364, 2376–2377, 2388, 2409, 2434, 2436, 2445, 2451, 2461, 2476, 2488, 2499, 2504, 2527, 2547, 2564, 2567–2568, 2572, 2580, 2640, 2642, 2666, 2670, 2705, 2710, 2721–2722, 2734, 2751, 2766, 2771, 2775, 2815, 2826, 2835, 2838, 2858, 2878, 2890, 2907, 2911, 2946, 3048, 3055, 3060, 3108, 3111–3112, 3118, 3134, 3136–3137, 3146, 3163, 3173, 3176, 3189, 3193, 3195, 3200, 3206, 3211, 3235, 3241, 3260, 3263, 3273, 3276, 3283, 3297, 3300, 3316, 3344, 3346, 3366, 3398, 3401, 3410, 3425, 3449, 3458, 3475, 3486, 3510, 3539, 3549, 3552–3553, 3572, 3583, 3617, 3627–3628, 3630, 3654–3655, 3674, 3690, 3705, 3710, 3734, 3745, 3752, 3754, 3758, 3766, 3777, 3784, 3787, 3798, 3802, 3823, 3846, 3853, 3861, 3876, 3900, 3912, 3922, 3929, 3943, 3946, 3963, 3970–3971, 3992, 4036, 4060, 4074, 4082, 4086, 4092, 4140, 4157, 4159, 4179, 4199, 4213–4214, 4263, 4282, 4285, 4291, 4308, 4315, 4325, 4327, 4340–4341, 4346, 4389, 4401, 4403, 4422

TINEA VERSICOLOR: 3153

TISSUE CULTURE: 980, 1424, 1603, 2073, 2147, 2606, 2995, 3232, 3967, 3995, 4345

TISSUE DISTRIBUTION: 101, 445, 634, 755, 1343, 1538, 1542, 1619, 1640, 1780, 1906, 1921, 2015, 2080, 2123, 2152, 2450, 2911, 2933, 3291, 3383, 3526, 3607, 3628, 3669, 3965, 4001, 4032, 4038, 4259, 4299

TISSUE EXTRACTS: 120, 754, 1809, 2029, 2077, 2102, 2899, 3005, 3775, 3962, 4317, 4327

TISSUE SURVIVAL: 439

TITANIUM: 1693

TOADS: 1286, 2359

TOES: 50, 3267

TOLAZOLINE: 738

TOLBUTAMIDE: 405, 2151, 2548

TOLUIDINES: 4322

TOMOGRAPHY, COMPUTERIZED AXIAL: 32, 73, 753, 1058, 1115, 1234, 1464, 1551, 1738, 1992, 2012, 2163, 2166, 2346, 3204, 3944, 4094, 4134, 4172, 4394

TOMOGRAPHY, RADIOGRAPHIC: 2693, 4145

TONGUE: 2192

TONGUE DISEASES: 2724

TONSILLITIS: 3732

TOOTH: 897, 1164, 1195, 2457

TOOTH ABNORMALITIES: 781

TOOTH CALCIFICATION: 419, 1044, 1260, 2428

TOOTH, DECIDUOUS: 1371, 4207

TOOTH EXTRACTION: 1271, 1920

TOOTH GERM: 226, 1118, 2871, 3177, 3392

TOOTH, IMPACTED: 2173

TOOTH MIGRATION: 3329

TOOTH MOVEMENT, MINOR: 1319, 3329

TOOTH RESORPTION: 2173

TOOTH ROOT: 1195

TOXEMIA: 700

TOXICOLOGY: 2225

TOXINS: 150

TOXOIDS: 2758, 3930

TOYOCAMYCIN: 1372

TRACE ELEMENTS: 110, 1128, 1503, 3082, 3747

TRACHEA: 1778, 2539, 2622, 3201, 4171

TRACHEAL NEOPLASMS: 1955

TRACHEAL STENOSIS: 1095, 1955, 4145

TRACHEITIS: 3933

TRACHEOESOPHAGEAL FISTULA: 1955

TRACHEOTOMY: 1955

TRACTION: 3781

TRANQUILIZING AGENTS: 549, 1504, 3148

TRANQUILIZING AGENTS, MAJOR: 206, 1504, 1642, 3236, 3651, 3798, 3973, 4017

TRANQUILIZING AGENTS, MINOR: 1126

TRANSCORTIN: 217, 1845, 3698

TRANSCRIPTION, GENETIC: 90, 172, 572, 1601, 1603, 1803, 2203, 3279, 3319, 3342, 3478, 4084, 4087, 4233

TRANSDUCERS: 2782

TRANSFER FACTOR: 1811, 2509

TRANSLATION, GENETIC: 337, 415, 882, 1045, 1803, 1884, 2090, 2353, 2407, 2608, 2634, 2691–2692, 2762, 2805–2806, 2859, 3279, 3319, 3342, 3409, 3478, 4087, 4151

TRANSLOCATION (GENETICS): 1151, 1270, 2194, 2702, 2845, 2888, 3520, 3693, 3773

TRANSPLANTATION, ALLOGENEIC: 102, 530–531, 869, 937, 1150, 1610, 1725, 1896, 2001, 2095, 2339, 2690, 2751, 3706, 4150

TRANSPLANTATION, AUTOLOGOUS: 949, 1130, 1443–1444, 1586, 2341, 3963, 4235

TRANSPLANTATION, HETEROLOGOUS: 1336, 1787, 1867, 3395, 4245

TRANSPLANTATION, HOMOLOGOUS: 182, 545, 2339, 2642, 2736, 2892, 3919, 3941, 4008, 4211

TRANSPLANTATION IMMUNOLOGY: 247, 618, 937, 1857

TRANSPLANTATION, ISOGENEIC: 1392, 2504, 3395, 3513, 3764, 4184

TRANSSEXUALISM: 1386, 1665, 3080

TRANSVESTISM: 488

TRANYLCYPROMINE: 1478, 1792

TRAVEL: 4209

TRAZODONE: 3236

TREES: 4259

TREMOR: 384, 871, 3130, 3213

TRENBOLONE: 517, 3990

TRETINOIN: 464, 634, 1263, 1428

TRIAMCINOLONE: 833, 1190, 2366, 2463, 3153, 3895, 4168, 4258

TRIAMCINOLONE ACETONIDE: 90, 196, 558, 904, 1416, 1615, 2925, 3249, 3417, 3426, 3576, 4343–4344

TRIAMTERENE: 1398, 3870

TRIATOMA: 2517

TRIATOMIDAE: 2517

TRIAZENES: 1988

TRIAZOLES: 1043

TRICHINELLA: 1843, 2738

TRICHINOSIS: 789, 1843, 2738

TRICHLORMETHIAZIDE: 3965

TRICHLOROETHANES: 491

TRIFLUOPERAZINE: 655

TRIFLUOROTHYMIDINE: 3778

TRIGEMINAL NERVE: 2192, 4240

TRIGLYCERIDES: 70, 144, 696, 745, 782, 1290, 1567, 2370, 2542, 2717, 2757, 2834, 3042, 3388, 3398, 3521, 3663, 3692, 4037, 4320, 4377

TRIIODOTHYRONINE: 3, 71, 132, 189, 320, 492, 521, 533, 582, 620, 625, 652, 889, 891, 1048, 1051, 1056, 1131, 1137, 1192, 1255, 1326, 1412, 1526, 1592–1593, 1622, 1683, 1710, 1731, 1807, 1827, 1934, 1950, 2072, 2087, 2207, 2239, 2257, 2405, 2416, 2452, 2473, 2583, 2623, 2648, 2768, 2826, 2839, 2890, 2913, 2955, 3192, 3209, 3260, 3298, 3427, 3539, 3633, 3662, 3752, 3760, 3817, 4181, 4186, 4202, 4241, 4255, 4296, 4300–4301, 4307, 4333

TRIIODOTHYRONINE, REVERSE: 189, 492, 521, 620, 1412, 1526, 1622, 2473, 2553, 2890, 3260, 3633, 4186

TRIPELENNAMINE: 188

TRISOMY: 570, 751, 2677, 2981

TRITIUM: 1, 106, 475, 624, 775, 907, 1617, 2670, 2845, 3012, 3573, 4232, 4299

TRITONS: 216, 526, 672, 896, 2437, 3569

TRITYL COMPOUNDS: 3303

TROMETHAMINE: 580

TROPHOBLAST: 247, 603, 726, 2313, 3718, 3769, 3835

TROPHOBLASTIC TUMOR: 159, 439, 518, 1587, 3389, 3414, 3496, 3769, 3835

TROPONIN: 1979

TROUT: 1994, 2203, 2512, 3342, 3363, 4152, 4215

TRUTH DISCLOSURE: 4429

TRYPANOSOMA BRUCEI: 2448

TRYPANOSOMA CRUZI: 2965, 4381

TRYPSIN: 541, 669, 993, 1278, 1429, 2752, 3026, 3254, 3340, 3711, 4290

TRYPSIN INHIBITORS: 3519

TRYPTAMINES: 698, 3001, 3697, 4110

TRYPTOPHAN: 407, 540, 800, 1202, 1823, 2602, 3147, 3207, 3261, 3340, 3697

TRYPTOPHAN HYDROXYLASE: 1486, 1568, 1585, 2323, 3549, 3746

TRYPTOPHAN OXYGENASE: 572, 2727, 4087

TSETSE FLIES: 815, 2486

TUBE FEEDING: 3630

TUBER CINEREUM: 2238, 2395
TUBERCIDIN: 1372, 4380
TUBERCULIN: 2814
TUBERCULIN TEST: 2886
TUBERCULOSIS: 1712, 2328, 3305
TUBERCULOSIS, CUTANEOUS: 1509
TUBERCULOSIS, FEMALE GENITAL: 2541
TUBERCULOSIS, MENINGEAL: 2356
TUBERCULOSIS, OSTEOARTICULAR: 945
TUBERCULOSIS, PULMONARY: 1915, 2549
TUBERCULOSIS, UROGENITAL: 3282
TUBEROUS SCLEROSIS: 3204
TUBOCURARINE: 564
TUMOR VIRUS INFECTIONS: 234, 570, 928, 2563
TUNGSTEN: 1944
TUNICAMYCIN: 2284
TURBIDIMETRY: 3952
TURKEYS: 2879, 3086
TURNER'S SYNDROME: 179, 505, 595, 1889, 1942, 2262, 2269, 2759, 2781, 2845, 2847, 2981, 2991, 3197, 3315, 3520, 3558, 4418
TURTLES: 2219, 2866
TWINS: 764, 1605, 2341
TWINS, DIZYGOTIC: 764
TWINS, MONOZYGOTIC: 764, 2886, 3584
TYRAMINE: 685, 2296, 2335, 3001, 3516, 3566, 3953, 4068
TYROSINASE: 11
TYROSINE: 540, 1260, 3145, 3147, 3207, 3722, 3853
TYROSINE AMINOTRANSFERASE: 572, 1068, 1287, 1803, 2727, 4087, 4291
TYROSINE HYDROXYLASE: 824, 1486, 1760, 1774, 1986, 3180, 3207, 3246, 3744, 4158, 4312, 4378

U

UDP GLUCURONOSYLTRANSFERASE: 2152
ULNA FRACTURES: 2474
ULTIMOBRANCHIAL BODY: 3225, 3962
ULTRAFILTRATION: 3428
ULTRASONIC THERAPY: 1800
ULTRASONICS: 184, 233, 256, 383, 439, 518, 550, 722, 753, 801, 841, 914, 929, 1015, 1058, 1270–1271, 1552, 1605, 2268, 2510, 3414, 3689, 3828, 4134–4135, 4147, 4263, 4356
ULTRAVIOLET RAYS: 26, 1235, 1259, 2018, 2829, 3019
ULTRAVIOLET THERAPY: 4119
UMBILICAL ARTERIES: 348, 3577, 3858
UMBILICAL CORD: 22, 483
UMBILICAL HERNIA: 41
UMBILICAL VEINS: 3858
UMBILICUS: 74
UNITED STATES FOOD AND DRUG ADMINISTRATION: 2390, 2418, 2632, 3078
UNITED STATES NATIONAL INSTITUTES OF HEALTH: 1738, 3078
URACIL NUCLEOTIDES: 1378, 4084
URANIUM: 366
UREA: 235, 453, 475, 501, 851, 1096, 1192, 1234, 3201, 3398, 3410, 3502, 4340
UREMIA: 95, 143, 700, 710, 809, 1567, 1796, 1821, 2046, 2179, 2211, 2673, 3178–3179, 3219, 3398, 3500, 4061, 4182
URETER: 281, 2432, 2616, 2835, 3646, 4088, 4244
URETERAL NEOPLASMS: 3646
URETERAL OBSTRUCTION: 281, 1201, 2180
URETHANE: 2504
URETHRA: 1908, 2892
URIC ACID: 465, 667, 1244, 2004, 3364, 3476, 3965
URIDINE DIPHOSPHATE N-ACETYLGLUCOSAMINE: 2152
URIDINE DIPHOSPHATE GLUCOSE: 672
URIDINE MONOPHOSPHATE: 1378
URIDINE TRIPHOSPHATE: 4084
URINARY CALCULI: 548, 2643, 3087
URINARY DIVERSION: 1201, 2432
URINARY TRACT: 2350, 4384
URINARY TRACT INFECTIONS: 3065
URINATION: 2892
URINATION DISORDERS: 1908
URINE: 158, 198, 483, 851, 1362, 1456, 2243, 2253, 2308, 2427, 3487, 4321
URODYNAMICS: 805, 2892
UROGASTRONE: 1063
UROGENITAL NEOPLASMS: 1276
UROGENITAL SYSTEM: 2020, 2892, 3282
UROGRAPHY: 1412, 2612, 2892, 3899, 4356, 4394
UROLOGIC DISEASES: 3277
UROLOGIC NEOPLASMS: 73, 1675
URTICARIA: 3765
USTILAGINALES: 3939
UTERINE CONTRACTION: 80, 240, 249, 679, 702, 763, 998, 1002, 1170, 1177, 1399, 2104, 2153, 2511, 2556, 2709, 2853, 2906, 3036, 3881
UTERINE DISEASES: 3674
UTERINE HEMORRHAGE: 146, 157, 398, 1241, 2424, 4217
UTERINE INERTIA: 296
UTERINE NEOPLASMS: 159, 215, 397, 439, 476, 520, 534, 550, 603, 623, 648, 660, 854, 914, 1140, 1318, 1375, 1587, 1597, 1639, 1671, 1758, 2065, 2093, 2096, 2129, 2271, 2348, 2400, 2529, 2541, 2558, 2638, 2799, 3076, 3165, 3294, 3389, 3496, 3507, 3611, 3624, 3689, 3769, 3824, 3835, 4048, 4134–4135, 4177, 4210, 4439
UTERINE PROLAPSE: 4070
UTERINE RUPTURE: 296
UTEROGLOBIN: 572, 2407, 3913
UTERUS: 33, 80, 112, 220, 491, 517, 648, 687, 731, 836, 842, 993, 1020–1021, 1024, 1302, 1367, 1399, 1502, 1686, 1690–1691, 1718, 1780, 1848, 2125, 2128, 2158, 2182, 2271, 2297, 2312–2313, 2407, 2447, 2511, 2589, 2599, 2671, 2709, 2735, 2847, 3066, 3242, 3369, 3375, 3465, 3488, 3507, 3614, 3818, 3881, 3913, 3960, 4244, 4264, 4286, 4324, 4372–4373
UVEITIS: 1872, 3390, 3778
UVEOMENINGOENCEPHALITIC SYNDROME: 1872

V

VACUOLES: 31, 3680
VAGINA: 707, 986, 1288, 1531, 1691, 1759, 1776, 2278, 2297, 2361, 2387, 3375, 3447, 3465, 3506–3507, 3550, 3646, 4070, 4244, 4264, 4324
VAGINAL CREAMS, FOAMS AND JELLIES: 1597, 3580
VAGINAL DISEASES: 1597
VAGINAL NEOPLASMS: 222, 1671, 2293, 2563, 3194, 3646
VAGINAL SMEARS: 157, 881, 1193, 2434, 2667, 3220, 3290, 3447, 3956, 4070
VAGOTOMY: 10, 3292, 3497, 3719, 3988, 4388
VAGUS NERVE: 564, 1806, 2243, 2649, 2760, 3292, 3719, 4388
VALINE: 3207
VALINOMYCIN: 405, 2744, 3303
VALPROATE: 2079
VANADIUM: 2911, 3466
VANCOMYCIN: 368
VANILMANDELIC ACID: 694, 764, 1978, 4194
VARIATION (GENETICS): 302, 1573, 3015, 3852
VARICOCELE: 580, 1874, 2830, 3127, 3393, 3574, 3969
VARICOSE VEINS: 3571, 3795
VAS DEFERENS: 31, 377, 1388, 1851, 2877, 4281
VASCULAR DISEASES: 1767, 2678, 3464, 4062, 4447
VASCULAR HEADACHE: 2540
VASCULAR RESISTANCE: 158, 364, 805, 1011, 1013, 1220, 1699, 1708, 1855, 1910, 2742, 2784, 2897, 3888
VASCULITIS: 362, 1862, 2338
VASECTOMY: 508, 1272, 2307
VASOACTIVE INTESTINAL PEPTIDE: 72, 399, 977, 1063, 1417, 1715, 1851, 1932, 3221, 3587–3588, 3877
VASOCONSTRICTION: 305–307, 674, 738, 933, 951, 1006, 1265, 1910, 2128, 2130, 2588, 2604, 2984, 3270, 3341, 3479, 3566, 3577, 4052, 4175
VASOCONSTRICTOR AGENTS: 196, 411, 1220, 2004, 3134, 3341
VASODILATION: 62, 188, 291, 381, 933, 951, 1417, 2049, 2345, 2603–2604, 2715, 2913, 3616, 3733, 4015, 4052
VASODILATOR AGENTS: 411, 1105, 1182, 1580, 3890
VASOMOTOR SYSTEM: 280, 567, 951, 1357, 2769, 4015
VASOPRESSINS: 12, 54, 62, 161, 198, 272, 514, 564, 581, 640, 674, 689, 770, 832, 838, 892, 924, 962, 968, 1036, 1050, 1070, 1102, 1148, 1211, 1246, 1286, 1349, 1380, 1501, 1556, 1769, 1838, 1926, 2054, 2070, 2101, 2172, 2243, 2253, 2359, 2415, 2426, 2597–2598, 2752, 2850, 2897, 2907, 3095, 3099, 3310, 3337, 3445, 3535, 3547, 3653, 3847, 3874, 3980, 3998, 4053, 4111, 4321, 4348, 4388, 4420, 4430
VASOTOCIN: 838, 4034
VEGETABLES: 1
VEGETARIANISM: 936, 1067, 4383
VEHICLES: 2104, 3955
VEINS: 67–68, 241, 663, 738, 1317, 1502, 1586, 2179, 2513, 3365, 3393, 3402, 3566, 3762, 4139, 4282
VENA CAVA, INFERIOR: 1739, 2331, 4049, 4147
VENA CAVA, SUPERIOR: 1767, 3092
VENOUS PRESSURE: 997
VENTRICULAR FIBRILLATION: 2304–2305, 4175
VENTRICULOGRAPHY, CEREBRAL: 991
VERATRIDINE: 405, 1103, 1684, 3761
VERATRINE: 1684
VERTEBRAL ARTERY: 2166
VERTEBRATE VIRUSES, UNCLASSIFIED: 3872
VERTEBRATES: 1000, 1500, 2688, 2769, 2809, 3658
VERTIGO: 656
VESICO-URETERAL REFLUX: 3065
VESTIBULAR APPARATUS: 656
VETERINARY MEDICINE: 3078
VIBRATION: 3765
VIBRIO CHOLERAE: 1064
VIBRIO PARAHAEMOLYTICUS: 1304
VILOXAZINE: 343, 1779
VINBLASTINE: 1387, 1394, 1533, 3727
VINCA ALKALOIDS: 890
VINCRISTINE: 4, 152, 368, 400, 554, 622, 915, 999, 1160, 1729, 1897, 1940, 2091, 2771, 2820, 3525, 4260, 4283, 4326, 4336, 4376, 4398
VIPER VENOMS: 4071
VIRAL PROTEINS: 2224
VIRILISM: 276, 1360
VIRUS CULTIVATION: 3564
VIRUS DISEASES: 2034, 2431, 3305, 3667, 3981
VIRUS REPLICATION: 2224
VISCOSITY: 2449, 3837, 4143
VISION: 2942
VISION DISORDERS: 1271, 3274, 3976
VISION TESTS: 829, 3085
VISUAL ACUITY: 829, 2336
VISUAL CORTEX: 631, 3155, 3308, 4247
VISUAL FIELDS: 829, 3084–3085, 3976, 4247
VISUAL PATHWAYS: 705, 2636, 2833, 3789
VISUAL PERCEPTION: 631, 1139, 4268
VITAMIN A: 185, 464, 634, 1184, 1488, 1561, 1659, 2111–2112, 2841, 3281, 3615
VITAMIN A DEFICIENCY: 1184, 2580, 3654
VITAMIN B 12: 1488, 2807, 4304
VITAMIN B COMPLEX: 3346
VITAMIN D: 142, 221, 335, 627, 656, 658, 680, 936, 995, 1016, 1038, 1109, 1121, 1179, 1418, 1509, 1598, 1655, 1722, 1982, 2373, 2425, 2483, 2718, 2841, 2904, 3019, 3117, 3126, 3219, 3281, 3428, 4189, 4370
VITAMIN D DEFICIENCY: 20, 140, 327, 936, 1510, 1799, 1982, 2425, 2829, 2843, 3019, 3109, 3162, 3686, 3808, 3908
VITAMIN E: 1181, 2841
VITAMIN K: 1531, 2841
VITAMIN K DEFICIENCY: 995
VITAMINS: 900, 995, 1488, 1689, 2841, 3959, 4252, 4436
VITELLOGENIN: 572, 711, 1045, 1616, 1973, 3319, 4233, 4237
VITILIGO: 885, 1269
VITREOUS BODY: 2057, 3390
VM 26: 3357
VOCAL CORDS: 1592
VOCALIZATION, ANIMAL: 2840
VOICE: 3431
VOLES: 3974
VOMITING: 2947, 4445
VON WILLEBRAND'S DISEASE: 204
VP 16-213: 999
VULVA: 1142, 1800, 1863, 2229
VULVAR DISEASES: 1142, 1863, 2229

VULVAR NEOPLASMS: 222, 476, 1142, 1375, 1675, 1863
VULVOVAGINITIS: 1193, 3305

W

WARFARIN: 153, 996, 2767, 3592
WATER: 416, 545, 892, 927, 1069, 1349, 1383, 2101, 2850, 3201, 3487, 4191, 4316, 4350
WATER DEPRIVATION: 198, 1578, 1926, 3287
WATER-ELECTROLYTE BALANCE: 81, 776, 851, 952, 994, 1838, 2279, 2342, 2535, 2597, 2664, 2935, 3310, 3487, 3994, 4252
WATER-ELECTROLYTE IMBALANCE: 404, 528, 581, 1715, 2197, 2347, 2711
WATER LOSS, INSENSIBLE: 4250
WATER POLLUTANTS: 35, 2914, 2954
WATER POLLUTANTS, CHEMICAL: 2914
WATER POLLUTANTS, RADIOACTIVE: 1, 2954
WATER SUPPLY: 2914–2915
WAXES: 1875
WEANING: 478, 946
WEATHER: 2202
WEGENER'S GRANULOMATOSIS: 1095, 3045, 3208, 3518
WERNER'S SYNDROME: 2696
WHEAT: 337, 882, 2407, 2762, 2859
WHITES: 283, 1291
WHOLE BODY COUNTING: 284
WOLFF-PARKINSON-WHITE SYNDROME: 3652
WOLFFIAN DUCT: 707, 3375
WOMEN: 1411
WORLD HEALTH ORGANIZATION: 433
WOUND HEALING: 611, 983, 1207, 1368, 1457, 1544, 1866, 2249, 2283, 4118, 4249
WOUND INFECTION: 1565
WOUNDS AND INJURIES: 282, 433, 2501, 3476, 4163
WRIST: 303

X

X CHROMOSOME: 172, 483, 505, 653, 799, 1748, 1818, 2148, 2194, 2262, 2444, 2591, 2621, 2650, 2759, 2777, 2845, 2888, 2970, 2991, 3085, 3558, 3718, 3773, 3907
X-RAY DIFFRACTION: 246, 1296
X-RAYS: 682, 1999, 2270, 2871, 3101, 3554, 3726, 4162
XANTHENES: 3855
XANTHINES: 1069, 1473
XANTHOMATOSIS: 2542, 2724
XENOPUS: 79, 166, 223, 230, 1045, 1616, 1973, 2114, 2284, 2403, 2657, 2880, 3319, 3443, 4233, 4237
XYLAZINE: 661
XYLOSE: 926, 4040
XYY KARYOTYPE: 498, 2350

Y

Y CHROMOSOME: 498, 546, 653, 894, 1151, 1233, 1235, 1782, 1814, 1927, 2026, 2194, 2617, 2621, 2676, 2702, 2823, 2970, 3142, 3197–3198, 3284, 3693, 4109, 4274
YEASTS: 2917
YERSINIA INFECTIONS: 1339
YOHIMBINE: 1634
YOLK SAC: 2077, 2838, 3764
YTTRIUM RADIOISOTOPES: 1401

Z

ZEARALENONE: 848, 1657, 1750
ZINC: 53, 81, 110, 441, 539, 1938, 3107, 3600, 3628, 3916, 4123
ZOLAZEPAM: 661
ZOLLINGER-ELLISON SYNDROME: 1063
ZONA PELLUCIDA: 1373
ZYMOSAN: 391

AUTHOR INDEX

A

Aakvaag A: 3661
Aarkrog A: 1
Aarli JA: 2
Abbassi V: 3
Abbrederis K: 4
Abdel-Dayem HM: 5
Abdelhamid S: 677
Abe H: 6, 3803
Abe K: 7, 1820, 1978, 3543, 3789
Abe T: 4339
Abe Y: 2479
Abeatici S: 8
Aberer W: 1613
Aberg A: 9
Aberg G: 10
Abiko Y: 120
Abillon E: 4063
Abney E: 3122
Abood LG: 114
Abraham GE: 1317, 2513
Abraham SF: 308
Abramhamsohn PA: 4381
Abramov AL: 3823
Abramova FA: 2545
Abramowitz J: 11
Abrams CA: 12
Abrams JJ: 13
Abrão EG: 2733
Abu-Ghazaleh S: 716
Abusineina ME: 2667
Aceto T Jr: 3756
Achari NK: 14
Achuff SC: 4175
Acosta AA: 1223
Acquaviva F: 443
Acton JM: 4320
Acuña D: 15
Adachi H: 16, 2380
Adachi M: 1978
Adachi S: 2587
Adair RL: 2782
Adam BA: 17
Adam G: 1134
Adam WR: 18
Adam YG: 3393
Adami A: 95
Adámková M: 873
Adamovics A: 1607
Adams RN: 683
Adamsson U: 1763
Adelstein RS: 19
Adeosun P: 444
Adessi G: 1308
Adey WR: 227
Adinolfi M: 3175
Adkisson KP: 2970
Adler CP: 20
Adlercreutz H: 2096
Adolphe M: 1099
Aertsens W: 4016
Agarwal CG: 2576
Agarwal KN: 1854
Agarwal MK: 21
Agarwal PK: 2506
Agboola A: 22
Agra Cadarso B: 3241
Agrawal AK: 23
Aguilar-Olivan A: 4030
Aguilera S: 24
Aguilo F: 3505
Agusti A: 999
Ahmad N: 25
Ahmed F: 185
Ahmed FE: 26
Ahn HS: 27-28
Ahonen J: 2873, 2875, 3610
Ahrén K: 2382
Ahrén L: 1464
Ahuja MM: 29
Ahuja RC: 3604
Ahuja SP: 312-313
Aida M: 1415
Aikawa T: 3855
Ailhaud G: 2717
Aima H: 3966
Aiman J: 30
Aire TA: 31
Aita JF: 32
Aitken JM: 2250
Akagi H: 2811
Akanuma Y: 1655
Akera T: 778
Akerman KE: 33
Akerstedt T: 2890
Akhrem AA: 34
Akhtar R: 35
Akiguchi I: 36
Akil H: 37, 4154
Akincheva MIa: 372
Akmaev IG: 38
Akopyan TN: 39
Akov'ian VA: 1800
Akramov EKh: 2410
Akzhigitov GN: 40
Alain J: 41
Alain JL: 41
Alam A: 1166
Alam MR: 2088
Alanko A: 3610
Alarcon-Segovia D: 1075
Alba F: 15
Albano C: 3236
Albano V: 2887
Albert DJ: 42
Albert DM: 3748
Albert J: 3359
Albertini D: 797
Albertsson-Wirkland K: 43
Albrecht H: 859
Albrecht K: 44
Albukerk JN: 45
Albuquerque RH: 700
Alcazar De La Ossa JM: 2966
Aldenhoff J: 3018
Alderman B: 3234
Aleci C: 406
Aleksa VI: 2078
Aleksandrova GV: 1643
Alexander GJ: 46
Alexander H: 3490
Alexander JC: 209
Alexander NJ: 1874
Alföldy P: 1521
Algate DR: 47
Alipchenko LA: 1178
Alizadeh J: 48
Alkadhi K: 3110
Allag IS: 49
Allan JA: 4320
Allen AW Jr: 50
Allen CV: 2994
Allen DJ: 51
Allen DO: 52
Allen JP: 4033
Allen K: 2516
Allen LH: 53
Allen RG: 54
Allgayer H: 154
Allolio B: 55
Allport RB: 1210
Allsopp D: 1530
Almay BG: 4098
Almli CR: 1077
Almon RR: 2520
Aloia JF: 666
Alonso G: 56
Alperin H: 3960
Alt FW: 1884
Altenburg BC: 57
Althoff PH: 58
Altman AJ: 2658
Altman J: 59-61
Altonen M: 3137
Altstein M: 4086
Altstetter R: 288
Altura BM: 62, 3950
Altura BT: 62
Altwein JE: 1704, 1967
Alurkar VM: 63
Alvarez I: 1034
Amano S: 64
Amano T: 65
Amaresan MS: 66
Ambach G: 67-68
Amelang E: 2286
Amenta F: 69
Amery A: 1011-1013
Amery AK: 2228
Ames RP: 70
Amino N: 71, 3964
Aminot A: 3892
Amiranoff B: 72
Ammenti A: 677
Ammon J: 73
Amortegui AJ: 74
Amsterdam A: 75
Amstutz HE: 76
Amzel LM: 2953
Anand SK: 4148
Anast CS: 548
Ances IG: 3824
Andahl RO: 77
Anděl M: 4060
Anderson AB: 609, 2578
Anderson DC: 78, 2419
Anderson DM: 79
Anderson DN: 3217
Anderson JE: 2637
Anderson LL: 1901
Anderson MW: 3617
Anderson NC Jr: 80
Anderson RL: 81
Anderson TF: 2423
Anderson WP: 82, 3095
Andersson B: 3310
Anderton KJ: 3510
Andjelković S: 83
Andler W: 84
Andor J: 85, 2674
Andrade AR: 3351
Andrassy K: 3219
Andreola S: 3216
Andres-Trelles F: 2455
Andrews AH: 86
Angelini C: 3859
Angelov E: 87
Angerstein W: 3121
Angus JA: 82
Anhut H: 88
Ani M: 89
Anisman H: 1986
Anne L: 90
Anokhin BM: 3561
Ansari AN: 3669
Anthony CJ: 91
Antipenko AE: 92
Anton E: 93
Antonelli A: 2991
Antoni H: 94
Antonichev AV: 1280
Antonov AS: 2058
Antonozzi I: 2500
Antonucci F: 95
Antony P: 96
Antosz FJ: 4288
Aoki N: 1816
Aono T: 97
Aparicio NJ: 156
Apinyacharti P: 98
Apitz-Castro R: 99
Applestine MS: 2865
Aprill CN: 233
Apro G: 3377, 3379
Arai S: 100
Arakawa M: 3548
Araki H: 596
Arancibia S: 988
Arap S: 2733, 3696
Arbus GS: 1610
Arcángeli OA: 156
Arch JR: 101
Archibald SD: 102
Arena E: 2947
Arendash GW: 103
Arendt J: 104
Argall WJ: 308
Argémi B: 3983
Arie R: 105
Arieff AI: 659
Arimori S: 2009
Arimura A: 1554
Aringer L: 106
Arinze IJ: 107
Arisz L: 877
Arlart I: 108, 3275
Arlart IP: 109
Armanini D: 1022

Armario A: 110
Armijo M: 111
Armijo Moreno M: 791
Armstrong D: 1574
Armstrong RW: 112
Arnaiz Bueno F: 852–853
Arnaud C: 1510
Arnaud CD: 2772
Arner P: 113
Arnett CD: 775
Arnoldi CC: 2183
Arold H: 3242
Aronstam RS: 114
Arroyave CM: 1147
Arruda JA: 3326
Arslan M: 115
Arulanantham K: 116
Arutunyan AA: 39
Asada A: 3811
Asai J: 4327
Ascari E: 2699
Asch RH: 117, 183
Ascher NL: 2642
Aschmoneit I: 4369
El-Asfouri S: 118
Ashe JR: 119
Asherov J: 3556
Ashida S: 120
Ashikari R: 3266
Ashmarin IP: 121
Ashton BA: 3928
Asimont LA: 941
Asmus G: 3398
Asmus PA: 1127
Aso T: 1280
Asofsky R: 2472
A:son Berg A: 122
Asplin CM: 2614
Asratian EA: 123
Assa R: 3300
Assenmacher I: 56, 1720
Assis LM: 3351, 3902
Astakhov AF: 863
Astaldi A: 124
Astaldi GC: 124
Astashkin EI: 2758
Astoin M: 937
Aston SR: 125
Al-Aswad BI: 126
Aswathanarayana NV: 3140
Atakhanova BA: 127
Atanasov N: 128
Atienza MF: 501
Atkins HL: 3669
Atkinson D: 202
Atkinson PJ: 3231
Atkinson RN: 129
Atlas D: 361
Atlas SA: 130, 3479
Atrens DM: 1634
Attwood EC: 131–132, 3481
Au WY: 2218
Aubert B: 2105
Audhya TK: 133
Audrain M: 278
Audy MC: 134
August CS: 3166
August GP: 1632
Aukburg SJ: 3638
Aulick LH: 4249–4250
Aungst CW: 1102
Aupetit B: 135
Aur RJ: 1216
Aurbach G: 1525
Aurora AL: 1835
Aurousseau M: 619
Aust W: 1135
Austen KF: 3992
Austin GA: 136
Averback P: 137–138
Averbakh MM: 1940
Avery DL: 713
Avioli LV: 139–142, 191
Aviram A: 3823
Avram MM: 143
Aw TY: 144
Awai M: 1026
Awouters F: 789
Axelrod J: 1173
Ayad SR: 145
Aylward M: 146–147
Aynedjian HS: 186
Aznar AM: 1516
Aznar RA: 1516
Azoubel R: 2111–2112, 2112
Azzazi F: 1015
Azzollini CV: 148

B

Baba A: 149, 2476
Baba Y: 1939
Babaeva AG: 150
Babalich AK: 1059
Babin RW: 558
Bablok L: 151
Baccarani M: 152
Baccarini IM: 3600
Bachevalier J: 407
Bachman D: 741
Bachmann K: 153
Bachmann W: 154
Bacigalupo A: 155
Bączyk K: 744
Badano AR: 156
Badawy SZ: 157
Bader CA: 2605
Bădescu I: 754
Badger D: 4296
Baechler CA: 203
Baeckelandt P: 412
Baer PG: 158
Bagnara AS: 2162
Bagshawe KD: 159
Bahnsen M: 2247–2248, 2248
Bailer P: 160
Bailey PJ: 1530
Bailey WH: 161
Bain J: 162, 1611, 3932
Baird GD: 163, 2287
Baird MB: 339
Baird SG: 3879
Bajetta E: 385
Bajusz S: 2277, 3799
Baker AA: 164
Baker BL: 1345
Baker HL Jr: 656
Baker JB: 165
Baker LH: 3357
Baker PC: 166
Baker PF: 167
Bakhle YS: 168
Bakker CP: 169
Bakowski H: 3694
Bakry NM: 2599
Baksi SN: 170
Bakurdzhiev K: 171
Bakurdzhiev T: 128
Balaram P: 2679
Balaš V: 461
Balasch J: 110
Balasubramaniam P: 2189
Balasubramanian, TM: 1296
Balazs I: 172
Balázs M: 173–174
Balbi F: 876
Balbontin F: 2898–2899
Balcet U: 3277
Balcke P: 2001
Baldessarini RJ: 3688, 4140
Baldwin GB: 175
Balemans MG: 176
Baleydier C: 177
Balfe JW: 1610
Balfour HH Jr: 2642
Balgobin B: 1441
Balint G: 1232
Balis JU: 178
Balk MW: 463
Balkin MS: 179
Ball DL: 3022
Ball JK: 570
Ball JN: 1970
Ballad RV: 180
Ballard ET: 3272
Ballejo G: 511
Ballenger JC: 181
Ballereau M: 829
Ballet JJ: 182
Balmaceda J: 183
Bambach CP: 184
Bamberg M: 2820
Bamji MS: 185
Ban M: 2808
Banerjee MR: 3344–3345
Banfi A: 385
Bangstrup L: 2248
Bank A: 2771
Bank DE: 4379
Bank N: 186, 4379
Banks BE: 187
Banks RO: 188
Bannister RG: 771
Banovac K: 189
Bantutova I: 190
Bar A: 948
Bar-Ziv J: 4383
Barabanova I: 1382
Barahona M: 4036
Baran DT: 191
Baranov VG: 192
Baranovskiĭ MA: 513
Baranowska B: 193
Barbanti Silva C: 296
Barbato MP: 194
Barber R: 637
Barber SG: 195
Barberio G: 1213
Barbier A: 196
Barbieri C: 702
Barbieri EJ: 1908
Barbieri RL: 197
Barbin G: 2884
Barbour GL: 198
Barchas JD: 37, 4154
Bardin CW: 2240
Barel AO: 4056–4058
Barenholz Y: 3123
Barkai AI: 199
Barkai G: 3330
Barker DJ: 3262
Barkhina TG: 3514
Barlassina C: 318–319
Barlet H: 907
Barlock AL: 200
Barlow CE: 1326
Barlow JJ: 588
Barlow SM: 201
Barlow TS: 4085
Barnard JM: 1032
Barnawell EB: 1114
Barnes AM: 2335
Barnes GD: 202
Barnhart JE: 3021
Barnhart MI: 203–204
Baron R: 4067
Baron S: 2824
Baros NA: 501
Barragry JM: 205
Barranger JA: 456
Barrat J: 586, 1014
Barreca T: 206–207, 3248
Barrell GK: 208
Barret MD: 209
Barrett DI: 210
Barrier M: 2109
Barron SA: 3263
Barry CD: 1296
Barsekow F: 1460
Bartfai T: 3761
Barth T: 2153
Bartke A: 211
Barton R: 212
Bartsch G: 3245
Bartter FC: 2218
Barwin N: 2704
Bary FA: 176
Barylko B: 19
Basagni M: 696
Basbaum AI: 213
Basch M: 58
Baše J: 3889
Basile F: 214, 4188
Baskakov VP: 215
Baskin RJ: 216
Baskova IP: 3519
Basrur PK: 3096
Bass J: 741
Basset M: 217

Bassett AL: 4231
Bassett JM: 218
Bastian D: 3232
Bastos HD: 3586
Bateman DN: 219
Batson JF: 1605
Batta SK: 1975
Battaglia FC: 220
Battersby L: 2639
Batthiany R: 3206
Batuner LS: 1643
Baud CA: 221
Baudouin-Legros M: 1116
Bauer HW: 222
Bäuerle U: 349
Baugham WL: 1874
Baukal A: 912
Bauknecht T: 2655
Baulieu EE: 223, 1790, 3443
Baum M: 3079
Baumann P: 224
Baumgarten HG: 1959
Baumgartner E: 4386
Baurmann H: 225
Baveja R: 1759
Bawden JW: 226
Bawin SM: 227
Baxendale PM: 3165
Baxter JD: 228
Baxter MA: 229
Baxter RC: 98
Bayer SA: 59–61
Baylé JD: 2833
Baylink DJ: 3117
Baylis PH: 4133
Bayliss R: 2405
Beach DH: 230
Beach RC: 1519
Beall GN: 231
Bean BL: 232
Bean WJ: 233
Bear RA: 102
Beardsley TR: 234
Beart RW Jr: 949
Beastall GH: 1465
Beattie D: 235
Beaudet A: 236–237
Beaulieu M: 2098
Beazley JM: 238
Beck C: 3937
Beck JS: 4241
Beck LR: 239–240
Beck NF: 241
Becker DW Jr: 2554
Becker FT: 1634
Becker K: 242, 3309
Becker R: 243
Becker S: 244
Becker-McKenna B: 322
Beckers C: 2443
Beckett A: 2915
Beckmann D: 1972
Beckstead RM: 245
Bedarkar S: 246
Bedoya VA: 2062
Beeken WL: 2037
Beer AE: 247
Beer K: 3751
Beeuwkes R 3d: 924
Bégeot M: 248
Béguin F: 249
Behari J: 250
Behrens MM: 1551
Behrisch D: 767
Beischer NA: 2797
Beissert M: 3490
Bekemeier H: 1543
Bekhor I: 90
Bektemirov TA: 3667
Belaich S: 639
Belardetti F: 251
Belchetz P: 252
Belchetz PE: 2882
Belen'kiĭ MA: 1194
Belicza M: 253
Belin MF: 787
Bélisle S: 254
Bell RD: 636
Bell SD: 2552
Bellanca L: 2887
Bellarmine: 66
Beller FK: 2594–2595
Belletti S: 255
Bellocci M: 1111
Bellossi A: 256
Bellotti M: 973
Bellucci R: 394
Beloshevskiĭ VA: 257
Belousova NA: 2545
Beltrán Hernández J: 258
Ben-Ari Y: 259–260
Ben-David M: 3483
Ben Ezra D: 261
Ben-Galim E: 645
Ben-Ishay D: 4358
Benakis V: 4080
Benallegue A: 262
Bender F: 454
Benderli A: 436
Bendtzen K: 263–264
Benedet JL: 2900
Benedetto A: 3368
Benediktov II: 265
Benes I: 3673
Benet I: 1189
Beninger RJ: 266
Benirschke K: 3185
Benisek WF: 2812
Benjamin M: 267
Benjannet S: 2993
Benker G: 2831
Benkoël L: 2106
Benlloch Navarro R: 268
Bennett HP: 269
Bennett LL: 270, 1001
Bennett MB: 3314
Bennett RM: 271
Benoit Gonin JJ: 272
Benowitz LI: 273
Benraad TJ: 1549
Bensa JC: 2538
Bensch C: 274
Bensusan HB: 275
Benton D: 426, 1273
Benvenuti C: 3364
Benz J: 276
Benzing G 3rd: 1832
Beral V: 277
Beraud G: 278
Bercu BB: 279
Berdina NA: 280
Berek JS: 281
Berezkin DP: 2714
Berg S: 282
Bergadá C: 833, 2196
Bergamini E: 820
Berge OG: 3655
Berger GM: 283–284
Berger M: 285–286, 1744
Berger PA: 4154
Bergfeld MA: 191
Bergh T: 287, 2761
Bergland R: 4184
Bergman S: 1736
Bergman SM: 1737
Bergmann F: 288
Bergol'ts VM: 289, 1940
Bergqvist A: 290
Bergqvist-Karlsson A: 2600
Bergsjø P: 2729
Bergström S: 2313
Berkowitz BA: 291, 2913
Berlin M: 45
Berlin T: 996
Berliner S: 3556
Berman M: 499
Bermejo F: 4036
Bern HA: 1228, 2905, 4159
Bernacer M: 3359
Bernacka K: 373
Bernades P: 292
Bernard MH: 3288
Bernardini A: 2527
Bernasconi S: 3084
Bernat R: 1279
Bernauer W: 88
Berndt H: 293
Bernnardo T: 1898
Bernocchi G: 294
Bernstein IS: 295, 1294
Bernstein K: 1183
Berry AV: 1797
Berry LJ: 1287
Berry M: 1974
Berson EL: 3797
Bertaglia A: 296
Bertagna X: 297
Bertagna XY: 298
Bertani T: 3179
Bertel O: 487
Bertelli A: 299
Berthelot A: 300
Bertilsson L: 301
Bertina RM: 302
Bertoli G: 3931
Besant CB: 3101
Beseda O: 1965
Besinger U: 3018
Besio G: 3236
Bessard G: 2538
Besser GM: 808
Besser IuV: 303
Bethea CL: 304
Bethune JE: 4203
Bettelheim H: 2001
Bettini V: 305–307
Betz G: 1743
Beumont PJ: 308
Bewsher PD: 1606
Bex F: 211
Beyer J: 694, 1426–1427, 4166
Bezin GI: 2631
Bhakthan NM: 309
Bhargava HN: 310
Bhargava KP: 23
Bhargava MK: 1184
Bharucha KR: 311
Bhat S: 4379
Bhatia IS: 312–313
Bhatt RV: 314
Bhattacharya M: 588
Bhattacharyya MH: 315
Bhattacherjee P: 316
Bhave GG: 818
Biagio R: 3866
Białas B: 1237
Bialik IB: 1915
Białowąs J: 317
Biały E: 2427
Bianchi G: 318–319, 797
Bianchi M: 702
Bianchi R: 320
Bianchini C: 2188
Bianco S: 562
Biasini G: 812
Bibby JG: 2578
Bichler A: 321
Biciotti M: 2279
Bick MD: 1808
Bidani AK: 322
Bidder TG: 3555
Bidey SP: 757
Bidlingmaier F: 1972
Bieglmayer C: 3691
Bielkiewicz B: 323
Bielousov IuV: 324
Bierich JR: 3136
Bierti L: 739
Biesterfeld RC: 325
Biggar WD: 1680
Biggi A: 1131
Bikel I: 326
Bikle DD: 327
Bilger M: 1453
Bílková B: 3321
Billard R: 4215
Billiard M: 712
Billiet L: 1011–1012
Billis A: 328
Bills TK: 329
Binder ND: 330
Binderman I: 1957
Bines JA: 331
Bing J: 333–334
Bing RF: 3885
Bini P: 214, 4188
Binoux M: 297
Binstadt DH: 335
Biran S: 476
Birch G: 2458

Bird D: 521
Birecree E: 1781
Birge SJ: 3713
Birkás O: 336
Birkásová M: 336
Birken S: 337
Birkenhäger JC: 1793, 2113, 4075
Birkenhäger WH: 338, 804–805
Birkhäuser M: 3708
Birnbaum LS: 339
Birnbaumer L: 1701
Bisbocci D: 2711
Biserte J: 3087
Bishop MC: 340
Biswas NM: 341, 3370–3371
Bitensky L: 568
Bitny-Szlachto S: 3668
Bitoljanu V: 3702
Bitter-Suermann D: 244
Bizière K: 447
Bjanid O: 1814
Bjellin L: 2447
Black AM: 342
Black J: 1510
Blackburn TP: 343
Bláha K: 4063
Blähser S: 344
Blaim A: 345
Blair C: 346
Blair WD: 240
Blake DA: 2750
Blakeley AG: 347
Blalock JA: 1046–1047
Blamey RW: 2497
Blanc AE: 1070
Blanc MC: 442
Blanc WA: 348
Blanco G: 973
Blank I: 1544
Blaquier JA: 802
Bläsig J: 349
Blask DE: 4034
Blaso WP: 411
Blass KE: 350, 4367
Blecher M: 351
Blesa Sánchez E: 352
Bliddal H: 3884
Bloch B: 3313
Bloch E: 353–354
Bloch R: 2664
Block ER: 355
Block HU: 1560
Block SK: 356
Blom AK: 1468
Blom J: 2771
Blomgren H: 357
Blondeau JP: 358
Bloom BR: 3264
Bloom FE: 1508, 1599, 3235
Bloom HJ: 359
Bloom S: 360–361
Bloom SR: 1932
Bloomfield CD: 2091
Blout ER: 896
Bluestone R: 362
Bluet-Pajot MT: 3404
Blum AL: 3673
Blum C: 2175
Blum MS: 3051
Blumberg BS: 894
Blundell TL: 246
Boado R: 4359
Boarer CD: 363
Bober A: 3798
Bobkov YuI: 364
Bobkova AS: 1277
Bobylev RV: 2398
Bochereau G: 1956
Bochkarev MN: 401
Bock E: 3921
Bock KD: 365
Böck P: 366
Bock R: 367
Bock WJ: 2712
Bodanszky M: 3412
Bodey GP: 368
Boeck G: 369
Boekkooi S: 3866
Boer P: 1229, 2168, 3846
Boers GH: 370
Boesel CP: 741
Boga C: 371
Bogatskaia LN: 1148
Bogatykh TA: 372
Bogdanikowa B: 373
Bogdanov AN: 2730
Bogdanovich NK: 762
Boggan WO: 374
Bogoiavlenskaia NB: 3979
Bogoiavlenskaia NM: 2013
Boguslaski RC: 3448
Bogusławski W: 375
Bogusz M: 376
Böhm D: 4292
Böhm N: 20
Bøhmer T: 377
Böhnel P: 378
Bohner J: 379, 1807
Bohnet HG: 380
Bohr DF: 381
Bohus B: 838
Bohutová J: 3684
Boiesen P: 2247–2248, 2248
Boileau M: 3772
Boime I: 337
Boingeanu A: 2150
Boiocchi M: 671
Boivin G: 221
Bojanovska V: 2153
Bokeriia LA: 1937
Boley SJ: 1955
Bolis G: 382, 2420
Bollero E: 2566
Bolman RM 3d: 691
Bolotin C: 1660
Bolte A: 383
Bolton FG: 609
Boltralik JJ: 3438
Boltshauser E: 384
Bombitz G: 2483
Bomboy JD Jr: 1310
Bonadonna G: 385
Bondinell W: 2961
Boneu B: 2785
Bonfield W: 386
Bong DM: 271
Bonifacino JS: 387
Bonnafous JC: 388
Bönner G: 389, 1258, 1494
Bonnet JP: 390
Bonnetblanc JM: 2534
Bonney RJ: 391
Bonnici F: 392
Bonnyns M: 393
Bonomi L: 394
Bonora G: 95
Bonsall RW: 395
Bonte J: 396–397
Bookstein JJ: 4041
Boots LR: 4346
Boquet P: 3443
Boquist L: 2137–2138
Borazjani G: 398
Borbély AA: 3710
Bordereau C: 803
Bordier P: 3109
Borgers M: 789
Borggreven JM: 897
Borghetti AF: 1361
Borghi C: 399
Borgia R: 251
Borisov AI: 400
Borkin MH: 1347
Borland MK: 1196
Borodin PM: 401, 3454
Borowicz JW: 1176, 2280
Borowitz JL: 3516
Boroyan RG: 402
Borrell J: 403
Borsa M: 1253
Borsos T: 2817, 3413
Borup K: 2832
Boryma TV: 404
Boschero AC: 405
Boschetti C: 696
Bosco F: 406
Boser F: 2064
Bosnjakovic S: 3428
Boss M: 3796
Bossens M: 3872
Bostedor R: 4218
Botella-Llusiá J: 4030
Botes DP: 4071
Botez MI: 407
Bottema CK: 408
Botterman BR: 1190
Bottermann P: 409
Böttger B: 58
Böttger I: 154
Bouchard P: 2318
Boucher D: 1511
Bouchilloux S: 3255–3256, 3256
Boudier JA: 3287
Boué J: 1132
Boullie MC: 2144
Boullin DJ: 410–411
Bourgeois J: 272
Bourgeois P: 412
Bourgoin S: 2722
Bourin M: 447
Bouroncle BA: 413
Bousquet J: 4012
Boussin D: 764
Bouvier M: 822
Bouyard P: 477
Bouyssou M: 2457
Bowden RE: 4073
Bowen DM: 414
Bowen RL: 2575
Bowers CY: 1631
Bownes M: 415
Box BM: 416
Boya J: 527
Boyan-Salyers B: 989
Boyar R: 1858
Boyd CM: 3336
Boyd RD: 417–418, 4170
Boyde A: 419, 3177
Boyes DA: 2900
Boyet F: 2143
Boylan P: 420
Bracchi G: 318–319
Brachet E: 421
Brachet J: 422
Bradley SE: 423
Bradshaw LE: 3959
Brady D: 2516
Brady RO: 456
Braganza A: 424–425
Brain P: 426
Brain PF: 1273, 1456
Braithwaite SS: 427
Brambilla C: 385
Brambilla F: 428
Bramley TA: 429
Bramson RT: 2975
Branch RA: 2796
Brand EC: 2802
Branda LA: 2437
Brandau H: 430, 2529
Brands JA: 4011
Brandt EJ: 3791
Brandt J: 3456
Brandt KD: 2339
Brandtzaeg P: 3098
Branehög I: 431
Brauman H: 432
Braun JJ: 3401
Braun L: 1958
Braun R: 433
Braun-Falco O: 434
Braunstein GD: 3788
Braunsteiner H: 4
Braunwald E: 435
Brautbar C: 436
Bravard P: 2144
Bray GA: 437, 4351
Bray ST: 4248
Brayley KN: 42
Brazeau P: 3306
Brazier PH: 125
Breakefield XO: 3761
Breckenridge AM: 3501
Breda M: 438
Bree MM: 661
Bree RL: 439
Breese GR: 1568, 2388, 4085
Breitbart E: 1730
Bremer HJ: 242
Bremer K: 440

Bremner I: 441
Bremner JM: 3477
Bremond A: 442
Bremond G: 443
Brendlein F: 20
Brennan DT: 1605
Brenner KV: 444
Brenner M: 1209
Brenner T: 445
Brentjens JR: 877
Breslau N: 2789
Bression D: 3064
Bressler NM: 446
Breteau M: 447
Brèthes D: 390
Breton B: 4215
Breucker H: 448
Briaud B: 1980
Bricaire H: 2318
Bridges RS: 449, 3591
Briët E: 450
Brigati DJ: 2977
Briggs HD: 3231
Brighton CT: 451
Brin VB: 452
Briner U: 1094
Brinkman CR 3d: 4285
Brinkworth RI: 453
Brisac A: 443
Brish M: 3330
Brisse B: 454
Britt BA: 455
Britt JH: 3182
Britton DE: 456
Britton WJ: 457
Briukhanov VM: 458
Broadley KJ: 918
Brobst DF: 459
Brocas H: 460
Brockes JP: 3122
Brockmann J: 3490
Brodan V: 4060
Brodanová M: 461
Brodarec A: 2474
Brodde OE: 462
Broder S: 1089
Brodie GM: 1163
Brodovcky H: 1445–1446
Brody TM: 778
Brodzicki S: 3695
Broekman MJ: 446
Bromage N: 4359
Bromage NR: 4215
Bronson RA: 463
Brook C: 1889
Brook JG: 2683
Brooke LM: 3510
Brooker G: 1438
Brookes DB: 464
Brooks SC: 465
Brostrom CO: 466
Brostrom MA: 466
Brouet JC: 467
Brown BL: 202, 2473
Brown D: 210
Brown DF: 468
Brown G: 2251
Brown GL: 181
Brown GM: 1126
Brown IR: 647
Brown JA Jr: 3478
Brown JJ: 232, 2155
Brown JR: 1034
Brown JW: 2102
Brown ML: 1903
Brown MR: 4072
Brown PR: 2061
Brown PW: 469
Brown RA: 1767
Brown RD: 470
Brown RF: 2417–2418
Brown T: 1319
Brown TJ: 471
Brown WB: 472
Brown Z: 4213
Brown-Woodman PD: 2441
Browne JC: 473
Browning RA: 3642
Brownlie BE: 474, 3477
Brownstein MJ: 4362–4363
Broyer M: 3062, 4121
Brozman M: 4364
Bruchovsky N: 2226
Bruckental I: 475
Brufman G: 476
Bruguerolle B: 477
Bruhat M: 1512
Brundin J: 478
Brune GG: 2485
Brunel G: 2457
Brunia CH: 479
Bruning G: 1272
Brunnberg FJ: 480
Brunner HR: 481, 1205, 3890
Brunner K: 2771
Brunngraber EG: 956
Bruns L: 3602
Brus R: 482
Brusilovskiĭ AI: 483
Bryant G: 463
Bryce GF: 1713–1714
Bryner J: 117
Bryson MM: 2238
Brzezińska Z: 484
Bubeev IuA: 92
Bubnova NI: 3572
Buc M: 2795
Buchanan JD: 2857
Buchanan WW: 1232
Buchanan-Davidson DJ: 485
Buchheim W: 2056
Buchsbaum B: 4218
Buckingham MS: 2565
Buckingham RE: 486
Buckley JP: 2286
Buckshee K: 1848
Buda RE: 166
Budillon G: 2791
Budtz-Olsen OE: 4321
Budzynska-Topolowska J: 4377
Buffenmyer C: 74
Bugnard E: 2491
Bugnon C: 344
Bühler FR: 487
Buhrich N: 488
Buhrley LE Jr: 969
Bukhman AI: 1876
Bukovský A: 489
Bulbrook RD: 490, 1475
Bulger WH: 491
Bull JM: 1301
Bull MJ: 519
Bullock DW: 2407
Bullock LP: 2240
Bumpus FM: 1904
Bumpus MF: 1062
Buniatian AF: 1937, 2078
Bunko H: 492, 3909
Bunne G: 2799
Bunting S: 411, 4284
Burchell JM: 1529
Burchfield SR: 493
Burckart GJ: 2356
Burdeĭnyĭ AP: 494
Burden HW: 537
Burdová M: 3678
Burg MB: 3467
Burgdorfer W: 1469
Burger AK: 3633
Burger EH: 495
Burger HG: 496, 547, 1163
Bürger S: 3751
Burgess GE 3d: 497
Burgess MN: 2739
Bürgi H: 3760
Burgos E: 646
Burgoyne PS: 498
Burkart T: 3569
Burkhalter JF: 2495
Burkhardt AE: 499
Bürki F: 500, 3564
Burkman RT: 501
Burks JK: 2952
Burlakov AB: 502
Burland WL: 503
Burman LG: 504
Burns GR: 145
Burns JL: 505
Burr IM: 2294, 3630
Burr WA: 506
Burrin DH: 3863
Burrows G: 816
Burry AF: 3324
Burstein DE: 507
Burstein Y: 75
Burton HG: 660
Burton K: 2516
Burton NA: 1725
Buse E: 4138
Bush M: 508
Busnardo AC: 715
Buss WC: 509
Busse E: 510
Busse H: 3446
Bussière JL: 3613
Bustos R: 511
Butcher FR: 2403
Butcher RW: 614, 2726
Butel JS: 910
Butenandt I: 1565
Butenandt O: 512
Butenko ZA: 513
Butler D: 514
Butt WR: 515, 1256
Butte JC: 516
Butters N: 1711
Butterworth PJ: 89
Buttery PJ: 517
Büttner HH: 518
Buu NT: 2071
Buurman CJ: 4075
Buyse M: 519
Buytenhek M: 4010
Buzina R: 2474
Bye PG: 520, 1108
Byfield PG: 521
Bykov VL: 522
Byrd A: 2198
Byskov AG: 2981
Bystryn JC: 2229
Bzik L: 189

C

Caballín MR: 2570
Cabanillas F: 368
Caccia MR: 523
Cadariu S: 4382
Caffrey MH: 524
Cahill GF Jr: 2737
Cahnmann HJ: 3222
Caillard V: 785
Caillens H: 3868
Calamera JC: 525
Calando Y: 3162
Calandra RS: 802
Caldara R: 739
Caldarella AM: 3157
Callahan JW: 526
Callegaro D: 2426
Callejas Ripes J: 258
Callensee W: 4166
Callis JB: 505
Calmettes C: 2551
Calne DB: 1878
Calonje MA: 233
Calvo J: 527
Calzada LD: 528
Cam Y: 2161
Camacho F: 111, 791
Camatini M: 529
Cameron EH: 1673
Cameron JS: 530
Camier M: 2140
Camitta BM: 531
Campagnoli C: 2638
Campbell A: 3688
Campbell CS: 532
Campbell DG: 1526
Campbell JA: 1137
Campbell JJ: 3022
Campbell M: 533
Campbell PS: 2472
Campbell RJ: 3214
Campbell S: 534, 1931, 4216–4217
Canales ES: 1381
Canalis E: 3157
Canalis EM: 3124–3125
Candel Monserrate I: 535

Canfield R: 337
Cangiano JL: 536
Cannon JK: 355
Cano P: 393
Cant EL: 3891
Cantarelli A: 3084
Cantell K: 3779
Capdeville J: 2785
Caporuscio D: 69
Cappel R: 3872
Capps ML: 537
Caputo TA: 1575
Caquant F: 718
Carafoli E: 542
Caranobe C: 2785
Carasca E: 704
Carballo Alvarez LF: 535
Carbone A: 3216
Carbone PP: 538
Cardiff RD: 4345
Cardo B: 4043
Cardo P: 3134
Carey RM: 4248
Carlson CW: 539
Carlson DE: 1186
Carlson GA: 4174
Carlsson A: 540
Carlstedt-Duke J: 541
Carlström K: 3867
Carman FR Jr: 3139
Carnegie JA: 3226
Carniol C: 4381
Caro JF: 590
Caron MG: 2098
Caroni P: 542
Carpenter DO: 543, 2957
Carpi A: 320
Carranco-López A: 3053
Carre M: 3162
Carrer HF: 544
Carrera F: 809
Carretero OA: 545
Carretti N: 546
Carriere B: 3465
Carrington CB: 1862
Carroll FT: 153
Carruthers TD: 3182
Carson RS: 547
Carstairs JR: 187
Carswell GF: 548
Carter AM: 2447
Carter ND: 1032
Carter S: 2652
Cartigny B: 1035
Cartwright KA: 2368
Carvajal P: 24
Casado S: 1150
Casalnuovo CA: 973
Casals-Stenzel J: 232
Casanova P: 2106
Casanova-Alvarez N: 2421, 4048
Casas Requejo F: 535
Casasoprana A: 1794
Cascinelli N: 868
Case DB: 2742
Casley DJ: 82
Casquet MC: 549
Cassiman JJ: 1151
Cassoff J: 550
Castellani L: 551
Castellanos FX: 2840
Castrillo García J: 552
Castro A: 860, 2607
Castro AM: 4036
Castro B: 1003
Castro JE: 4245
Catania R: 553
Catanzano G: 2534
Catt KJ: 911-912
Cattani L: 702
Cattieu KA: 3553
Cau P: 3287
Cava E: 2387
Cavallaro SA: 3055
Cavalli F: 554
Cavanaugh AH: 1034
Cavenaghi AE: 3178-3179
Cavenee WK: 555, 1770
Cazala P: 556
Cazzuola F: 320
Cecchettin M: 95
Cedro A: 557
Cefalo RC: 2208
Ceilley RI: 558
Cekan SZ: 1280
Celerier M: 1484
Celeste G: 438
Cenatiempo Y: 559
Ceparano G: 2791
Cerasi E: 953, 1334
Ceresa F: 2711
Cerný E: 560
Cerný V: 561
Cerone G: 812
Cerri C: 523
Cerundolo DG: 1436
Cervantes C: 3053
Cervantes P: 2107
Cervenka J: 2091
Cervinková Z: 3632
Ceserani R: 562
Cesla R: 4375
Chadwick A: 1970
Chadwick JM: 563
Chahinian H: 2411
Chahl LA: 564
Chakraborty R: 3989
Chakravarti S: 3758
Chakravarty A: 565
Chakravarty BP: 565
Chakurov S: 128
Challa V: 3887
Challiner MR: 2909
Challis JR: 566
Chalmers IM: 3316
Chalmers JP: 567
Chambaz EM: 217
Chambers DJ: 568
Chambers N: 697
Chambon M: 913
Chamlian A: 2106
Chamness GC: 569
Chan FP: 570
Chan JC: 571, 2386
Chan JS: 3843
Chan KM: 2090
Chan L: 572
Chandler B: 3004
Chandler D: 1351-1352
Chandra AM: 573
Chandra SV: 250
Chang AC: 2694
Chang CF: 1751
Chang CH: 595
Chang ES: 574
Chang KJ: 575, 1477, 2256
Chang MC: 1633
Chang TM: 576
Channing CP: 577
Chantaraprateep P: 578
Chantler C: 530, 1567, 3062
Chantraine A: 579
Chao FC: 315
Chapdelaine P: 580
Chapler FK: 3792
Chapman SJ: 581
Chapman V: 3791
Charbonnel B: 582, 829
Chari S: 583
Charkes ND: 584
Charli JL: 585
Charman M: 3686
Charney AN: 992
Charney N: 2976
Charreau EH: 802
Chartier M: 586
Charyshkina LV: 2543
Chase A: 4089
Chashchin VL: 34
Chatelain C: 1201
Chatterjee AK: 621
Chatterjee P: 573
Chatterjee SK: 587-588
Chattopadhyay S: 3353
Chaturvedi AK: 589
Chaudhuri G: 2671
Chaudhury MF: 815
Chauhan L: 314
Chaumont AJ: 3172
Chaussain JL: 528
Chauveau P: 1956
Chaves Luiz AA: 715
Chavin W: 11, 1581
Chawla KS: 1911
Chayen J: 568
Chechulin YuS: 364
Check JH: 590
Cheek DB: 591
Cheek WV: 4120
Chef R: 592
Chemodanov VI: 593
Chen CL: 594
Chen H: 595
Chen S: 3723
Chen ST: 204, 4278
Cheney DL: 2629-2630
Cheng JT: 596
Cheng KW: 597
Cheng SY: 3222
Cheng TH: 598
Chenoweth PJ: 599
Cheren'ko MP: 600
Cherevishnik ZhF: 4070
Cherian G: 63
Cherian TJ: 66
Cherkesova LU: 3519
Chern SI: 2233
Chern YF: 2233, 2235-2236
Chernick SS: 3692
Cherry JD: 601
Cherry RJ: 602
Chesney R: 3919
Chetrì G: 3088
Cheung HC: 1385
Cheung WY: 4128
Chevallier J: 390
Chew PC: 603, 1369
Chiara F: 551
Chiarasini DJ: 2387
Chiarelli SM: 604
Chiavarelli V: 605
Chiba A: 606
Chiba H: 607
Chiba S: 7
Chicoine R: 3271
Ch'ien LT: 2356
Chifan M: 2150
Chihara K: 6
Chilliard Y: 608
Chimbira TH: 609
Chindaduangrat W: 2580, 3654
Chioralia G: 225
Chipkin RE: 610
Chirigos MA: 3455
Chirkova AM: 611
Chiu S: 309, 612
Chiu TH: 613
Chlap Z: 2800
Chłapowska M: 1419
Chlapowski FJ: 614
Chmelík V: 935
Cho CH: 615
Cho NH: 1411
Cho-Chung YS: 616
Chobanian AV: 617, 1205, 3890
Chocair PR: 618
Choi HY: 2164
Chong D: 3888
Chopard A: 272
Choppin J: 619
Chopra IJ: 231, 620
Chopra U: 620
Chorost S: 1575
Chou JY: 3347-3348
Chow CF: 2235-2236
Chowdhury AR: 621
Chowers I: 1393
Choy DS: 622
Choy YM: 623
Chretien M: 721, 2993
Christ D: 3937
Christ-Hazelhof E: 4010
Christeff N: 2142
Christensen MS: 626
Christensen NJ: 624, 1403
Christensen SE: 1425
Christensen T: 2247, 2983
Christensson PI: 625
Christiansen C: 626-628
Christophe J: 795

Christophers E: 3426
Chromjak ET: 3031
Chronister RB: 792
Chrzanowska BL: 629
Chu EH: 4218
Chu H: 630
Chung EB: 263
Chuppina LM: 631
Churches AE: 632
Churchill BM: 1610
Churchill MC: 633
Churchill P: 322
Churchill PC: 633, 2322
Chytil F: 634
Ciani R: 438
Ciaramitaro D: 1640
Cibull ML: 635
Ciccarese S: 2823
Cicero TJ: 636
Cicognani A: 2610
Cid A: 860
Cier JF: 2533
Cimarusti DL: 637
Cina G: 3092
Cintrón N: 2953
Ciołkosz I: 3798
Ciovírnache M: 638
Cipriani E: 438
Cittanova N: 2142
Citti U: 296
Civatte J: 639
Clair T: 616
Clanet J: 640
Clapp JJ: 162
Clar HE: 2712
Clark BR: 641
Clark DR Jr: 642
Clark GM: 490
Clark LC: 643
Clark OH: 659
Clark TJ: 2338
Clarke BF: 1322
Clarke DM: 644
Clarke WL: 645
Claus TH: 3013
Clausen OP: 3098
Claver M: 646
Clavert JM: 1891
Cleeve HJ: 647
Clement PB: 648–649
Clemente C: 3216
Clerico A: 650
Cleve H: 651
Clifton-Bligh P: 652, 3057
Cline DW: 2992
Clineschmidt BV: 2296
Clingan D: 2807
Close HG: 653
Close WH: 654
Clough DL: 2894
Clow A: 655
Cluzel R: 3613
Cobel-Geard SR: 2970
Cocchi D: 2277
Coccia PF: 1224
Cochet B: 4040
Cochran M: 3842
Cockett AT: 1914
Codaccioni JL: 3983
Cody DT: 656
Cody V: 657
Coe CL: 1505
Coe FL: 658
Coelho JB: 423
Coevoet B: 1109
Coffee CJ: 1979
Coffino P: 3714
Cogan MG: 659
Coghlan JP: 2335, 4223
Cognat M: 4105
Cogniaux-Leclerc J: 3872
Cohen AW: 660
Cohen BJ: 661
Cohen I: 436
Cohen IL: 533
Cohen J: 662
Cohen JS: 3040
Cohen ME: 915
Cohen ML: 663
Cohen P: 664, 1432, 2140
Cohen S: 665, 1062
Cohen SN: 2694
Cohen T: 436
Cohen Y: 2093
Cohn DV: 4279
Cohn RC: 3626
Cohn SH: 666
Colacchio D: 1222
Colacchio T: 1222
Colantino M: 3681–3685, 3683
Colby HD: 2032
Colding H: 3677
Cole PE: 1195
Coleman C: 4346
Coleman M: 3, 667, 2771
Coleman TG: 2415
Colenbrander B: 668
Colin MC: 1204
Colle E: 903
Collen J: 2799
Colley J: 1723
Colli W: 4381
Collier RJ: 1471
Collins F: 669
Collins PO: 670
Collins WP: 670, 3758, 4216
Collste L: 996
Collu R: 3306
Colnaghi MI: 671
Colombo G: 318–319
Colombo M: 562
Colson SH: 2865
Colston KW: 210, 1722
Comerton AM: 672
Comino R: 732
Comis SD: 673
Commassaris RA: 3766
Compiano U: 95
Conant MA: 2471
Conn HO: 674
Connell CJ: 1281
Connellan SJ: 675
Connelly D: 1535
Connett RJ: 1473
Connolly CE: 676
Connolly TM: 677, 2221
Connor W: 2203
Conrad C: 678
Conrad JT: 679
Conrad LC: 2052
Constable WC: 2920
Constans J: 680
Contamin F: 681
Conte L: 682, 2954
Conti G: 842, 1115
Conti JC: 683
Conti MA: 19
Contini C: 3969
Convey EM: 2762
Conway RG: 3423
Conway-Jones PB: 684
Cook BJ: 685
Cook DB: 2346
Cook DM: 1927
Cook GH: 4277
Cook PS: 686
Cook W: 2503
Cooke ID: 687, 3510
Cooke NE: 3713
Cooke PH: 688
Coombe IF: 3324
Coombes RC: 689
Cooper BM: 690
Cooper BR: 4085
Cooper CW: 691
Cooper P: 692
Coore HG: 229
Cope E: 609
Coprean D: 1253
Corbier P: 693
Cordes U: 694, 1426–1427, 2999
Cording C: 4101
Cornell C Jr: 2771
Cornely M: 3468
Cornett LE: 695
Corson JM: 779
Cort JH: 336
Cortellaro M: 696
Cortés-Gallegos V: 3053
Corvol P: 1003, 1515, 3870
Cosgrove PS: 697
Costa A: 868
Costa E: 2629–2630
Costa G: 702
Costa M: 698–699
Costa e Silva A: 700
Costall B: 701
Costrini R: 702
Cote TE: 703
Cotelli F: 551
Cotman CW: 1887
Cotoi S: 704
Cottam GL: 1676
Cotter JR: 705
Cottrell GA: 706, 3953
Coulam CB: 707–708
Coulston F: 2656
Courreges JP: 292
Courvoisier B: 4040
Cove-Smith JR: 709
Covey CM: 659
Cowan RL: 470
Cowan WM: 3372–3373
Cowden EA: 710
Cowley AW Jr: 2285
Cox J: 2640
Cox JA: 3272
Coy DH: 1850–1851, 2840
Cozzone AJ: 559
Crabi M: 294
Craik JC: 711
Cramer H: 712
Crankshaw J: 760
Cranmer JS: 713
Cranston WI: 714
Crary DD: 1110
Cravo MA: 715
Crawford A: 488
Crawford DB: 2268
Crawley M: 3583
Creasman WT: 716–717
Cremer H: 3398
Cremer W: 365
Crepin G: 718
Creutz CE: 719, 3040
Cricco RP: 3229
Crilly RG: 720
Crine P: 721, 2993
Critchlow V: 3789
Crocker EF: 722
Crofton J: 3113
Croker BP Jr: 892
Croley TE: 723
Crompton M: 724
Cronberg S: 2136
Crooks J: 4241
Croskerry PG: 2186
Cross RB: 564
Croughs RJ: 2508
Crow TJ: 4110
Crowley WR: 725
Crowther ME: 726
Cruess RL: 727
Crutchfield FL: 891
Cruz M: 728
Cryer PE: 645
Csaba G: 729–730
Csapo AI: 731
Csapo EF: 731
Cuadros JL: 732
Cuatrecasas P: 575, 1477, 2256, 2562, 3530
Cudkowicz G: 733
Cuevas J: 646
Cugini A: 148
Cugini P: 734–735, 3396
Cuisinier-Gleizes P: 2425, 3876
Culp DA: 2703
Culp LA: 275
Cummings CW: 2176
Cummings DK: 3142
Cummins JT: 3555
Cundy T: 736
Cunningham DD: 165
Cunningham GR: 737
Cunningham PJ: 417–418
Cupo A: 3287
Curatola G: 2184
Curro FA: 738
Curtarelli G: 739
Curti G: 1131

Curtius HC: 4355
Curutchet HP: 973
Curzon G: 414
Cusan L: 1054
Cusi D: 318–319
Cuthbert JA: 740
Cutler EA: 741
Cutroneo KR: 2366
Cuttner J: 2771
Cyran W: 742
Cysyk R: 1301
Cyzgan P: 3587
Czeizel E: 743
Czekalski S: 744
Czerny B: 745
Czerski P: 2847
Czerwinski AW: 1405

D

Daabees TT: 2599
da Costa SC: 2965
D'Agata R: 746
Daggett P: 3527
Daginawala HF: 4068
Dagna-Bricarelli F: 124
Dahl O: 1961
Dahl V: 833
Dahlberg E: 541
Dahlgaard H: 1
Dahlöf LG: 747
Daikoku S: 748–749
Dainat J: 3159
Dainow II: 346
Dal Palù C: 2879
Dallapiccola B: 750–751
Dallenbach-Hellweg G: 752
Dallman MF: 1579
Dallow RL: 753
Dalterio S: 211
Daltroff G: 3046
Daly JW: 775, 2606
Damber JE: 3239
Damborenea y González de Landeta MD: 535
Damian E: 754
Damiani G: 702
Dammacco F: 3088
Dämmrich K: 3581
D'Amour P: 755
Dampney RA: 3719
Danda J: 756
Dandona P: 757
Daneshbod K: 398
Daneshwar A: 1839
Dang HR: 758
Danguir J: 759
Daniel EE: 760
Daniel PM: 1502
Danielewicz A: 1176, 2280
Daniels S: 761
Danilo P: 1183
Danilova KM: 762
Dannenberg AM Jr: 2328
Danziger A: 3204
Daood JT: 2406
Daraż B: 763
Darbois Y: 1014
Darlu P: 764
Darney PD: 281
Das B: 587
Das C: 3131
Das RC: 1184
Das S: 1367
Das UN: 765
da Silva MP: 1897
Daszuta A: 1202
Date J: 1048
Datta SC: 1367
Daubresse JC: 766
Daume E: 583
Daumont A: 822
Davajan V: 2424
Davey R: 3791
Davia J: 3631
David H: 767
David L: 2159
David M: 272
David MP: 947
David'iants LS: 3935
Davidoff M: 768
Davidova F: 1559, 3672
Davidson BA: 769
Davidson JF: 770
Davidson MM: 1451
Davie M: 3019
Davies B: 2147
Davies CJ: 2497
Davies DL: 1465
Davies DS: 219
Davies IB: 771, 3509
Davies P: 391, 772
Davies R: 1625
Davis BB: 3487
Davis G: 773
Davis GA: 774
Davis JC: 238
Davis JM: 1740
Davis JN: 775
Davis JO: 776, 3721
Davis LG: 777, 956
Davis ME: 778
Davis PJ: 4333
Davis RI: 779
Davis RO: 2853
Davis RS: 1914
Davis TE: 538
Davison AN: 414
Davison MA: 2464
Davydova AI: 3127
Dawson AP: 780, 3495
Day DW: 781
Day JL: 782
Deanović Z: 2645
de Azeredo FA: 783
Deb C: 573, 2647
DeBold JF: 784
Debray Q: 785
Debreczeni L: 1036
de Ceulaer K: 1232
Dechene JP: 786
Deckardt K: 787
Decker DG: 2400
Decker JL: 3699
Decker JM: 788
De Clerck F: 789
Declercq M: 3087
Declume C: 790
Decocq J: 718
Decsi L: 2682
de Deckere EA: 3851
Dedet JP: 826
Dedieu JC: 390
Dedman JR: 3832
De Dulanto F: 111, 791
Deeg P: 3238
Defaye G: 217
Deforrest JM: 776, 3721
Defrance JF: 792
De Fremont JF: 1109
de Gaetano G: 3178–3179
De Giuli S: 793
de Góes GM: 2733, 3696
de Graaf P: 794
de Graeff J: 794, 3999
De Gregorio A: 3054
Degrelle H: 3923
Degrossi O: 4359
Degrossi OJ: 973
Deguchi T: 2079
Dehaye JP: 795
Dehner LP: 796
Dei Cas L: 797
de Jong M: 370
Dekel S: 798
de la Chapelle A: 799
de la Fuente JR: 800
de la Higuera M: 2618
DeLada MG: 3045
de Laforte C: 3366
Delahaye RP: 884
Delahousse G: 718
DeLand M: 801
Delaney JR Jr: 4207
de Larminat MA: 802
Delarue C: 4032
Delaunay JG: 3006
de Lauzon S: 2142
Delbauffe D: 2944
Delbecque JP: 803
Del Chicca MG: 650
Del Corso L: 320
Delcroix M: 718
De Léan A: 2098
de Leeuw PW: 338, 804–805
DeLellis RA: 4255
De Lena M: 385
de Leo V: 1215
Del Forno C: 806
Delimar N: 3349
DeLisa JA: 807
Delitala G: 808
Delli Colli G: 702
Delling G: 1251, 3460
Delorme A: 2425
Delort J: 639
Delouis C: 1603–1604
del Pozo E: 380
Delpy P: 826
Del Rio A: 809
Del Rio Vazquez A: 3205
De Luca F: 1213
DeLuca HF: 1591, 2371
DeLuca HR: 571
Del Valle JA: 810
Delwaide PJ: 811, 3436
De Maio D: 428
Demange J: 1515
De Marchi A: 604
De Marco L: 2458
DeMars RI: 2845
De Matteis F: 812, 3687
Dembińska-Kieć A: 1340, 1358
Dembner AG: 4134
Demidov VP: 813–814
Demisch K: 2746
Demkiv LP: 4024
Dempesy CW: 1482
Demski LS: 3768
Demura H: 3551
De Murciano A: 99
de Nay D: 1898
de Nayer P: 889
Denckla WD: 2913
Denduchis B: 2315
Denlinger DL: 815
Dennerstein L: 816
Dennis R: 2443
Denny SE: 2715
Denoroy L: 817, 3180
Denton DA: 2335, 4223
Denton RM: 1501
Deodhar SD: 818
Deodhare SG: 819
Deonna T: 384
DePaoli-Roach AA: 820
Département de Biologie Moléculaire, Université Libre de Bruxelles, Brussels- Belgium.: 422
Department of Pathology, Holy Name Hospital, Teaneck, NJ.: 821
Depersdorff J: 3741
Deplante JP: 822
Deporter DA: 823
Deppe G: 1257
de Prost Y: 3916
Dequattro V: 824
Derache R: 790
D'Erasmo E: 2500
Derech K: 962
Derkx FH: 825
Derrien JP: 826
De Ryck M: 3400
Desaga JF: 827
deSantos LA: 3068
Desaulles E: 828
Descarries L: 236–237, 3156
De Schaepdryver A: 1011
De Schaepdryver AF: 2228
Deschodt J: 907
Descuns P: 829
de Serro Azul LG: 2426
Deshmukh MB: 621
de Silva RT: 1332
De Simoni M: 830
Deskin R: 831
Desmond J: 337
de Sousa RC: 832, 1349
De Souza E: 3765
de Souza W: 2965
De Spada EF: 833

Desplaces A: 619
Despodova Ts: 834
Dessi'-Fulgheri P: 3141
de Toledo WP: 3696
Dettling A: 3191
de Turckheim M: 286, 1744
de Vellis JS: 1829
de Villalobos E: 3359
Devinoy E: 1603–1604
De Visscher M: 1659
DeVita VT: 1507
Devlamynck S: 835, 3278
Devlieger H: 1152
Devynck MA: 836
de Wardener HE: 837, 2347
de Weck R: 2674
Dewey WL: 4082
Dewhurst J: 1445–1446
de Wied D: 838, 1037, 4019, 4054
Dewolf F: 1152
De Wolf M: 1532
Dey CD: 2647
Dey-Hazra A: 987
de Zeeuw D: 839
Dhadialla TS: 815
Dhaliwal SS: 4323
Dhawan R: 1854
d'Herbigny E: 2605
Dhond JL: 1035
Dhupelia D: 1412
Diachuk IA: 840
Diamant L: 2080
Diamond F: 841
Diamond HS: 855
DiAugustine RP: 2256
Díaz Fernández A: 3298
Díaz Flores L: 791
Díaz Recasens J: 549
Di Carlo F: 842
Di Cicco CO: 2765
Dick R: 1932
Dick WC: 1232
Dickerson JWT: 843
Dickhoff WW: 844
Dickie N: 1996
Dickson ER: 3664
Dickson JG: 845
Dickstein G: 3685
Diczfalusy E: 846, 1280
Diebold GJ: 848
Dieckmann J: 3763
Diehl BJ: 849
Dieppe PA: 2338
Dierick W: 1532, 4006–4007, 4084
Dietrich JW: 3124
Dietz R: 850–851, 2413, 2490
Dietz WH Jr: 936
Diez-Ewald M: 1056
Diez Jiménez L: 852–853
Di Fronzo G: 385
Digaud A: 925
Di Lascio G: 3396
Dillinger P: 854
Dimant J: 855
Dimković D: 856
Dimmick JE: 649
Dimopoulos C: 4080
el-Din AK: 3521
Dinan BJ: 1758
D'Incalci M: 382
Dines DE: 857
DiNicola AF: 858
Di Re F: 671
Disney N: 465
Di Stefano E: 1669
Distler A: 2999–3000, 3000
Distler W: 859
Dittmar D: 860
Dittrich J: 3588
Diver MJ: 238
Dixon GH: 2203, 3728, 4152
Dixon JS: 887
Dizhe AA: 861
Dluhy RG: 862
Dmitrieva NP: 863
Doane HM: 3055
Dobbie JW: 710
Dobbs R: 1667
Doboszyńska B: 864
Dobracheva AD: 865
Dobroslavskaia TL: 1693
Dobson H: 866
Dobson JG Jr: 468
Docherty JR: 867
Doci R: 868
Dockerill S: 246
D'Ocón MT: 809
Docter R: 3633
Dodd JM: 3774–3776, 3775–3776
Dodge ME: 3869
Doelle W: 3441
Doepfner W: 1094
Doering EJ: 941
Doerr-Schott J: 1462
Doherty CC: 869
Dohi M: 870
Dohi T: 871
Doi H: 3785
Dokas L: 872
Dokshina GA: 2265
Dokumov S: 1360, 3991
Doleček R: 873
Dolinescu C: 2150
Dolman CL: 874
Dolman LI: 875
Domellöf L: 431
Domenici R: 438
Dominguez JH: 2658
Donadio C: 3181
Donahoe PK: 2622
Donald RA: 1079
Donaldson ES: 801
Donati MB: 3178
Donati MC: 3179
Donato L: 1231
Donatsch P: 2929
Donini G: 876
Donker AJ: 839, 877
Donley CS: 878, 2512
Donnadieu M: 297
Donohue JP: 879
Donovan MP: 880
Dontsov VI: 3903
Dontsova GV: 1998
Doppelt SH: 3816
Dor AM: 443
Dore MA: 881
Dorhout Mees EJ: 1229, 1757
Dornand J: 388
Dorner AJ: 882
Dörner G: 3698
Doroszewski J: 2754
Dorrington JH: 1146
Dosch HM: 1208
Dougherty JH Jr: 4094
Doughty MJ: 883
Douglas NJ: 1452
Doury P: 884
Doutre MS: 885
Douwes FR: 886
Downham TF 2d: 563
Downie WW: 887
Downman CB: 14, 3497
Doyle DA: 2357
Doyle RJ: 888
Dozin-van Roye B: 889
Dragomirescu T: 890
Dratman MB: 891
Dratwa M: 892
Drauschke M: 3445
Draux E: 3875
Dray F: 1343–1344
Drayer JI: 1549, 2292
Dreher E: 893, 2674
Dreikorn K: 2892
Drew JS: 894
Drewett RF: 895
Dreyfuss G: 896
Driessens FC: 897
Driot FJ: 898
Driscoll DJ: 899
Driskell JA: 900
Dristas JA: 3091
Driver PM: 901
Drobny H: 902
Drop SL: 903
Droszcz W: 904
Drouin J: 2098
Dróżdż M: 905
Drummond GI: 906
Drury MI: 420
du Cailar J: 907
Dubé JY: 580
Dubner DW: 1210
Dubois MP: 248, 1462
Dubois PM: 248
Dubpernell SA: 908
Dubreuil C: 1174, 1390
Dubrovskiĭ AA: 909
Duchier J: 135
Duck S: 3197
Dudley JP: 910
Duell EA: 2423
Dufau ML: 911–912
Dufaure JP: 913
Duff FA: 2357
Duff GB: 914
Duffaut D: 2457
Duffner PK: 915
Duffy GJ: 2357
Dufy B: 252, 274
Duhart J: 2491
Duka T: 916
Dukelow WR: 3154
Dukes-Dobos F: 4296
Dumas M: 2492
Dumitrache C: 1665
Dumont J: 2120
Dunai-Kovács Z: 3799
Dunbar JC: 917
Duncan C: 918
Duncan CJ: 919–920
Duncan GS: 4380
Duncan IJ: 1950
Duncombe F: 921
Dunemann A: 3839
Dunkel I: 3000
Dunn A: 4102
Dunn AJ: 922
Dunn CD: 1154
Dunn CJ: 823
Dunn JD: 923
Dunn MJ: 924
Dupelj M: 2645
Dupont B: 436, 4314
Dupont C: 72
Dupont E: 432
Dupuis Y: 925–926
Duque C: 927
Duquesnoy RJ: 928
Durán Escribano A: 3298
Durand G: 608
Durant MH: 1230
Durante E: 929
Durante TO: 2078
Durham BH: 930
Durie BG: 931
Durrant ML: 521
Dustin JP: 932
Dusting GJ: 933
Dutilh CE: 2788
Dutta PK: 1367
Duvic M: 934
Dvir E: 1544
Dvořáčková I: 3632
Dvorak K: 1494
Dvořák O: 935
Dvorchik BH: 2433
Dwyer JM: 116
Dwyer JT: 936
Dy M: 937
Dyball RE: 938
Dyer G: 4216
Dyer RG: 939–940
Dykgers A: 2025
Dyment PG: 941
Dytkowska A: 317
Dzau VJ: 3626
Dzhangirov PL: 942-
Dziadek T: 2081
Dziak R: 943

E

Eagon PK: 2193
Eakins KE: 316, 2931
Early DM: 3721
Early JA: 3857
Earp HS: 2201

Eaton KE: 3486
Eaton RP: 3215, 3397
Ebel TA: 2068
Eberhard A: 1204
Ebert F: 4138
Ebling JF: 944
Echeverria J: 945
Echternkamp SE: 946, 3402
Eckshtein N: 947
Ecoffet M: 681
Ecoffey JP: 932
Eddy CA: 183
Edelhoch H: 1668
Edelman IS: 4146
Edelnoch H: 3222
Edelstein S: 948, 3540
Edén S: 43
Eder M: 744
Edgerton VR: 1190
Edis AJ: 949, 3440
Edsmyr F: 950
Edson JL: 971
Edvinsson L: 951, 1417
Edwards BR: 952
Edwards CR: 4150
Edwards R: 2652
Edwards RL: 1256
Edwards WC: 2975
Efendić S: 953
Egberts EH: 1088
Egorova IF: 954
Egozcue J: 2570
Eguchi T: 3339
Ehara M: 3836
Ehrensing RH: 1850
Ehrlich EN: 955, 2779
Ehrlich YH: 956
Ehrström C: 957
Eichenberger D: 1307
Eichhorn KH: 1500
Eichhorn M: 1500
Eichstädt H: 379, 1807
Eickenbusch W: 958
Eide I: 824
Eide K: 824
Eigel WN: 1133, 3381
Eigler N: 959
Eilon G: 2658
Einhorn LH: 879, 960
Eisenbud E: 961
Eisenstein D: 1640
Eisner M: 962
Ekeland A: 982
Ekeström S: 963
Ekimov VI: 2714
Ekins RP: 202, 845, 1239, 2473
Eklund B: 3915
Ekstein R: 690
Ekstrand T: 964
El Etreby MF: 965
El Nockrashy AS: 2648
Elbadawi A: 157
Eldar M: 3556
Elde RP: 3456
Elder M: 1108
Elder MG: 2671
Eldred E: 1190
Eldridge R: 1010
Eleftheriou BE: 3163
Elejalde BR: 2845
Elich MS: 493
Elin RJ: 1180
Eling TE: 3617
Elis J: 966
Elisabetsky E: 1702
Elkeles RS: 2882
El'kind EIu: 967
Elkouby A: 2161
Ell PJ: 2741
Ellendorff F: 968, 972
Elliot NL: 2029
Elliott LJ: 157
Ellis E: 1219
Ellis LC: 969
Ellis S: 970
Ellison ML: 689
Elmer WA: 1524
Elphick MC: 971
Elsaesser F: 972
Elsinghorst TA: 4287
Elsner B: 973
Elson MK: 4021
Elstein M: 2565
Elster P: 2334
Elston CW: 2497
Emanuele N: 463
Emara SH: 974
Emerson TE Jr: 975
Emmanouilides GC: 3869
Emmrich J: 976
Emson PC: 977
Enami J: 3344
Enbergs H: 978–979
Encke A: 3588
Endo H: 980
Engberg E: 3921
Engel R: 1383
Engel W: 2655, 4368
Engelfriet CP: 1087
Engelhard VH: 981
Engelmann P: 2624
Engesaeter LB: 982–983
Engeset A: 440
Engfeldt P: 113
Engle DJ: 3292
English ML: 984
English PC: 985
Englund DE: 986
Enigk K: 987
Enjalbert A: 988
Ennever J: 989
Ennis M: 187
Enomoto K: 2808
Entwisle B: 1534
Epand RM: 703
Epshteĭn EV: 990
Epstein CJ: 1270
Epstein F: 991
Epstein FH: 992
Epstein PM: 993, 3024
Erbes PM: 3120
Erbler HC: 994
Erdei I: 1809
Eremeev VS: 1940
Erhardt J: 995
Erickson GF: 1612
Erickson R: 4273
Eriksson A: 996
Eriksson G: 625
Ermert JA: 4166
Ermisch A: 2123
Ernst EA: 1211
Ernst JA: 1938
Eródi E: 743
Eropkin MIu: 121
Erulkar SD: 3123
Erwald R: 997
Eschberger J: 1489
Escobar del Rey F: 3308
Escudero A: 3359
Eskes TK: 998
Espinós D: 809
Espinos Perez D: 3205, 3299
Esposti PL: 950
Estampes B: 1794
Estape J: 999
Estenoz Alfaro JM: 852
Estergreen VL: 2234
Estivariz FE: 1240
Etienne M: 1750
Etkin W: 1000
Ettorre G: 2442
Evans AJ: 2147
Evans E: 439
Evans J: 2959
Evans SP: 2162
Everett RB: 4286
Evertson LR: 1002
Evin G: 1003
Exner GU: 1004
Eyquem A: 1005
Eyre P: 1006

F

Fabbri G: 1007
Fabbrini A: 1111
Faber JA: 1943
Faber JJ: 330
Fabre J: 1008–1009
Fabricant RN: 1010
Fabricius-Bjerre N: 2247–2248, 2248
Facchinetti F: 1215
Faccia P: 812
Faganel J: 3052
Fagard R: 1011–1013
Fagard RH: 2228
Fagerhol M: 1169
Fagerhol MK: 1254
Fagraeus L: 1046
Faguer C: 1014
Fahim MS: 1015
Fahim Z: 1015
Fahmy DR: 4127
Fahrer A: 3186
Fährmann M: 3463
Faibes D: 326
Faienza H: 3091
Faiman C: 4262
Fainaru M: 1016
Fainman N: 1580
Fainstein Day P: 2103
Fairey RN: 2900
Faivre J: 1413
Faladová L: 4076
Falaiye JM: 1017
Falcone G: 1018
Faleri M: 529
Faletti C: 1318
Falk WE: 1019
Falkay G: 1020–1021, 3377–3379
Falke HE: 338, 804–805
Falkson G: 2771
Fällman I: 504
Fallo F: 1022
Fan JS: 2335, 4223
Fanburg BL: 1023
Fanchenko ND: 1024
Fanelli V: 1025
Fanestil DD: 2308
Fang CH: 1026
Fang VS: 1027
Fantoli U: 4074
Fareed J: 178
Farello G: 1028
Farese RV: 1029
Fargaš E: 1030
Fargašová I: 1030
Farías RN: 1031
Farid NR: 1032
Farmer RW: 1439
Farner HP: 1033
Farnsworth WE: 1034
Farr GH: 3266
Farrant P: 2510
Farrell RE: 1046–1047
Farriaux JP: 1035
Farrow R: 1337
Farsang C: 1036
Farver CF: 1037
Fassbinder W: 1130
Fassio G: 696
Fasy TM: 1808
Fat-Halla MM: 974
Fauci AS: 1095, 1180
Faudon M: 1202
Fava-de-Moraes F: 3987
Favus MJ: 1038
Fawcett CP: 2701
Fawcett RW: 2914
Fayez J: 3682
Fazakas S: 1809
Fechner K: 3433
Feder AS: 1039
Feder G: 95
Fedor P: 3052
Fedorova MP: 3897
Fedotov VP: 1687, 1691
Feely J: 1040
Feest TG: 2914–2915
Fegeler K: 2780
Fehér T: 1941
Fehm HL: 1041
Feigelson P: 594, 2090
Feil W: 3018
Feind C: 1222
Feinendegen LE: 1042
Feingold M: 1210
Feinstein AR: 1597

Feinstein RN: 1043
Feit JP: 272
Feix C: 2394
Fejerskov O: 1044
Fekete B: 1812
Felber BK: 1045
Feldman JM: 1046–1047
Feldt-Rasmussen U: 1048
Feller DD: 1049
Fellmann D: 344
Fellner MJ: 2503
Felman AH: 2327
Felsl I: 1050
Felt V: 1051
Feluś E: 4173
Fenimore DC: 1439
Fennelly JJ: 1052
Fennis JF: 4014
Fenrych W: 4304
Feo F: 1053
Ferapontov GK: 2758
Ferland L: 1054, 2098
Fermandjian S: 4063
Fern M: 3165
Fernandez EO: 183
Fernández-Villoria E: 549
Ferrand J: 2624
Ferrante F: 69
Ferrari M: 1055
Ferrari P: 318–319
Ferreira AL: 2111–2112, 2112
Ferrer J: 1056
Ferrier JP: 1484
Ferris S: 533
Ferris TF: 1057
Ferron A: 3156
Ferrucci JT Jr: 1058
Fesenko VP: 1059–1060
Feshin IuI: 4389
Fetherston J: 337
Fetter BF: 717
Feuer L: 1061
Feuerstein G: 1062
Feurle GE: 1063
Fibiger HC: 2461
Fiedel BA: 2803
Field JB: 1979
Field M: 1064
Fields HL: 213
Fieren M: 1065
Fierro A: 3494
Fierro-Benitez R: 728
Figueroa Casas PR: 156
Filin VA: 4387
Filipek WJ: 1066
Filippucci GF: 2524
Filo RS: 2339
Finberg L: 1067
Finch CE: 1068, 1829
Findlay JK: 547
Fineberg NS: 1335
Fingerová H: 561, 3405
Fink JN: 1069
Finkelberg F: 1070
Finkelstein JS: 532
Finn A: 2198
Finn CA: 1071
Finnerty FA Jr: 1072
Finney EJ: 2745
Finney RW: 1073
Finucane J: 1412
Fiore L: 988
Fiore N: 1074
Firmin C: 3868
Fischer EL: 1624
Fischer S: 3006
Fishbein E: 1075
Fisher AA: 1076
Fisher AW: 2613
Fisher DA: 620, 4191, 4254
Fisher JN: 3331
Fisher JW: 2590
Fisher PR: 3165
Fisher RS: 1077
Fisk RA: 4344
Fiszman M: 1078
Fitz CR: 2238
Fitzgerald MG: 506
Fitzgerald PH: 1079
Fitzpatrick FA: 1080
Fix JA: 1081
Fízel' A: 1082
Fízel'ová A: 1082
Flach A: 1083
Flack JD: 1084
Flammer J: 1085
Flandrin G: 1086
Flecheux O: 1344
Fleer A: 1087
Flegar Z: 3657
Flego I: 3349
Fleischer N: 2640
Fleischer S: 4302
Fleischmann LE: 322
Fleischmann R: 1088
Fleisher TA: 1089
Fleming AS: 1090
Flemming RB: 3363
Flenker I: 1091
Flickinger C: 1092
Flieder J: 2109
Fliegner JR: 1093
Floret D: 885
Floriani C: 4074
Florin M: 2180
Flory W: 3211
Flos R: 110
Flowers CE Jr: 240
Flowers IM: 464
Flückiger E: 1094
Flye MW: 1095
Flynn MJ: 336
Foekens JA: 2651
Fogel SR: 1368
Foks H: 1096
Folami AO: 1611
Foley JE: 2590
Folkers K: 1631
Follett BK: 1433, 2488, 3776
Folmar LC: 844
Fommei E: 1231
Foncin JF: 1413
Fondacaro JD: 188
Fonkalsrud EW: 1098
Fontagne J: 1099
Fontaine J: 1100
Fontana B: 1131
Fontana CJ: 1482
Foote G: 1101
Forbes J: 3079
Forbes JM: 472, 901
Ford GD: 2266
Formeister JF: 1102
Forn J: 1103
Førre O: 4242
Förster W: 350, 1104–1105, 1559–1560, 2528, 3187–3188, 3672, 3838–3839, 4367
Fortney JA: 1106
Fortune A: 1107
Foschi R: 4355
Foster GA: 343
Fotherby K: 1108
Fourlinnie JC: 2257
Fournier A: 926, 1109
Fournier E: 2387
Fournier P: 925–926
Fournière S: 817, 3180
Fourtanier G: 640
Fox EJ: 1241
Fox JE: 1451
Fox RR: 1110
Fracki S: 151
Fraile RJ: 3357
Fraile Moreno E: 535
Franc B: 1413
Francavilla F: 1111
Francavilla S: 1111
Franchi E: 529
Franchi F: 1215
Franchimont P: 1112
Francis AE: 1113
Francis MG: 1114
Francis SL: 3606
Franco N: 1115
Franco-Morselli R: 1116
François R: 2159
Frank P: 1117
Frank RM: 1118
Frank Y: 3787
Franke M: 1262
Franke WW: 1133
Frankel RJ: 1932
Franklin CA: 2740
Frankman O: 1119
Franks S: 3527
Franz HE: 109
Franzini A: 2442
Fraser AD: 1120
Fraser D: 2755
Fraser DR: 1121
Fraser R: 232, 1122, 2155
Fraser TR: 2080
Fratto D: 1123
Frayha R: 1124
Frayssinet C: 1750
Freaney R: 2663
Frecus G: 1253
Frederiksen PL: 678
Fredin BL: 1125
Freebury DR: 1126
Freed CR: 1127
Freedman LS: 3744
Freeman AI: 915
Freeman HC: 3363
Freeman J: 3952
Freeman JB: 1128
Freeman JM: 2750
Freeman MI: 4161
Freeman R: 1039, 3517
Freeman RD: 1170
Freeman RH: 776, 3721
Fregly MJ: 1129
Frei U: 1130
Freiesleben H: 3457
Freireich EJ: 368
Frenkel' VKh: 967
Fresco G: 1131
Fresco N: 1132
Freudenstein C: 1133
Freund E: 1134
Frezza E: 3088
Friberg K: 290
Friberg S: 504
Fricke M: 1135
Fricke U: 55
Fried A: 801
Fried J: 2870
Fried W: 1136
Friedel R: 3468
Frieden E: 1137
Friedman EA: 2675
Friedman J: 1138–1139
Friedman MA: 1140, 4291
Friedman S: 3813
Friedman WF: 1141
Friedrich EG Jr: 1142
Friesen HG: 3843
Frigot P: 2104
Frik W: 73
Frink R: 1143
Frisch H: 1144, 1949
Frisch RE: 1145
Fristrom JW: 4353
Fritz IB: 1146
Fritzler MJ: 1147
Fröberg J: 2890
Froesch ER: 3437
Frøland A: 3676
Fröland SS: 440
Frölich JC: 2796
Frølich W: 1254
Frol'kis VV: 1148
Fromageot P: 4063
Fromm M: 1149
Frosch PJ: 1963
Frühling J: 2951
Frutos M: 1150
Fry CH: 4243
Fry RJ: 1043
Fry WJ: 1523
Frye GD: 2388
Fryns JP: 1151–1152
Fuchs C: 1153, 1250–1251
Fuhr JE: 1154
Fuhrmann W: 2295
Fuji-wara K: 1992
Fujii K: 1155
Fujii-Kuriyama Y: 3342
Fujimoto G: 354
Fujimoto T: 1168

Fujimura N: 1156
Fujino M: 3940
Fujisawa H: 4312
Fujita H: 1157, 3820
Fujita T: 1939, 3542
Fujiwara K: 3944
Fujiwara Y: 2696
Fukase M: 2680
Fuke T: 1158
Fukuchi S: 1948
Fukui S: 3939–3940
Fukuiya Y: 1540
Fukunishi R: 4332
Fukuoka H: 3804
Fukushima DK: 4132
Fukushima T: 1159, 3905
Fukushima Y: 1158
Fukuyama M: 2092
Fülle HH: 1160
Fuller GB: 2656
Fuller GM: 3312
Fuller GN: 4232
Fuller RW: 1161
Fulton DV: 780, 3495
Fulton R: 153
Funae Y: 1162
Funahashi T: 1933
Funck-Brentano JL: 2605
Funder H: 1262
Funder JW: 1163
Fung KP: 4194
Furness JB: 698
Furr BJ: 2974
Furrer J: 4061
Furuta H: 1164
Furuya E: 1313
Furuya S: 1165
Fusek I: 560
Fuselier P: 1166
Fushiki T: 1698
Futrakul P: 1167
Fuyuta M: 1168
Fylling P: 1169

G

Gabbe SG: 1170
Gabellini P: 2991
Gabriel S: 1171
Gadpaille WJ: 1172
Gaetjens E: 2977
Gagnon C: 1173
Gaillard J: 1174, 1390
Gailonskaia IN: 2758
Gainer H: 2284, 2902
Gainutdinov MKh: 3350
Gairard A: 300
Gaismayer K: 2979
Gajaraj A: 1175
Gajkowska B: 1176
Gal D: 1177
Galakhin KD: 2018
Galante E: 671
Galante M: 390
Galantsev VP: 1311–1312
Gale RP: 531
Galera-Davidson HL: 2778
Galey JJ: 1794
Galicia M: 1517
Galicich JH: 2166
Galil-Ogly GA: 1178
Galiuk SV: 1179
Gallagher ND: 457, 740
Gallamini A: 206–207, 2775, 3248
Gallardo López J: 3298
Gallet D: 3334
Galli M: 4031
Galliford BW: 2900
Gallin JI: 1180
Gallini S: 255
Gallo RV: 103
Galloro P: 702
Galoyan AA: 39
Galstian TV: 2469
Galton VA: 1181
Galvão MM: 618
Galvez MD: 1516
Gámez Arance M: 352
Gandelman R: 3591
Gandolfi CA: 1182
Ganes T: 3260
Gangat Y: 1183
Ganguly J: 1184
Ganitkevich IaV: 1185
Gann DS: 1186
Ganong WF: 2290
Ganschow R: 3791
Gant NF: 4286
Ganten D: 1187, 1258, 3186, 3593, 4038
Ganten U: 3593
Gaón D: 1188
Garbarg M: 2884
Garbe G: 282
Garbrecht M: 3108, 3742
García CR: 1624
Garcia M: 1283, 3536
García R: 1056
García-Conde J: 1189
García del Río C: 15
García Marcos F: 973
García Matilla F: 2616
García-Talavera Fernández JR: 2454
García Triana Y: 258
García Urra D: 3299
Garcin M: 443
Gard TG: 202
Gardes J: 1003
Gardiner PF: 1190
Gardner CR: 1191
Gardner DF: 1192
Gardner E: 27, 354
Gardner EA: 993
Gardner HL: 1193, 1863
Gardner JD: 1754
Gardner LI: 2623
Gardner RM: 52, 3024
Garlov PE: 1194
Garn SM: 1195
Garner SC: 2962
Garnier DH: 898
Garret R: 3845
Garrett WJ: 4147
Garrison JC: 1196
Garrison MM: 3692
Garrow JS: 521
Gartside PS: 2516
Garud MA: 1197
Gasc JM: 1198–1199
Gaskell SJ: 1073
Gaspard U: 1200
Gattegno B: 1201
Gatti M: 318–319
Gatz M: 3517
Gaubatz G: 543
Gaudin-Chazal G: 1202
Gaum WE: 1832
Gautheron PD: 1203
Gauthier RJ: 1002
Gauthier S: 407
Gautray JP: 1204
Gavras H: 481, 617, 1205, 3890, 4089
Gavras I: 481, 617, 1205, 3890
Gavurin L: 908
Gawlik GM: 427
Gay H: 2970
Gay VL: 1206
Gay WA Jr: 2742
Gayou R: 1207
Gazak JM: 30
Gazzola GC: 1361
Gdal-On M: 2530
Gebest J: 3219
Gebhart J: 3603
Gedeon A: 2204
Gehanno P: 2108–2109
Geiger W: 1798
Gelbart J: 1860
Gelder MG: 410
Gelehrter TD: 1125, 3491
Gelfand EW: 1208
Gelinsky P: 4181
Geller JS: 1209
Gellis SS: 1210
Gelman S: 1211
Gemeiner M: 1212
Gemelli M: 1213
Gemsa D: 1214
Gemsenjäger E: 3708
Genazzani AR: 1215
Genazzani E: 842
Genco S: 3088
Genecin A: 4175
Genel M: 116, 1865, 2031
Genest J: 2071
Genot A: 559
Genth K: 827
Gentz H: 978
George JM: 725
George SL: 1216
Georgescu C: 704
Georgi M: 694
Georgii A: 1217
Gepner JI: 1218
GER: 1268
Gerasimova EN: 3898
Gerber JG: 1219–1220
Gerber LD: 2210
Gerber LI: 178
Gerendai I: 1221
Gerfo PL: 1222
Gergely A: 2483
Gergely P: 1810–1813
Gergely ZR: 1257
Gerhards E: 2670
Gericke A: 3571
Gerkens JF: 2796
Germain P: 2537
Germano FP: 1223
Gerok W: 1491, 2978
Gerosa M: 1669
Gerrard J: 1707
Gerrard JM: 1224–1225
Gerrie J: 526
Gershengorn MC: 3222
Gershon MD: 3243
Gerstl F: 3564
Gerstner G: 1226
Gertler MM: 4349
Geryk B: 1227
Geshner J: 233
Gessler U: 3460
Gessner G: 2961
Geyskes GG: 1229, 2168, 3846
Ghanadian R: 4245
Ghanta VK: 1230
Gharpure HM: 1233
Gharrett AJ: 2401
Ghata J: 3172
Ghione S: 650, 1231
Ghneim H: 3952
El-Ghobarey A: 1232
Ghosh B: 587
Ghosh SN: 1233
Giachetti A: 399
Giannessi D: 320
Giannetti A: 806
Giannopoulos A: 4080
Giannotta SL: 1234
Giannotti P: 2432
Gianoulakis C: 721
Gianrossi R: 207, 3248
Giaretto G: 214, 4188
Gibas Z: 1235
Gibbons AR: 2685
Gibson A: 1236
Giebisch G: 4294
Gierkowa A: 1237–1238
Gierz J: 376
Giese J: 1645–1646, 1837
Gigliani F: 2991
Gilbert D: 4251
Gilbert LF: 2567
Gilboa N: 4182
Gill DL: 1239
Gillan J: 676
Gillet JY: 3499
Gillette JR: 2519
Gilli V: 2638
Gillies G: 1240
Gillin JC: 3061
Gillmer MD: 1241
Gilman DP: 1242
Gilmer-Waymire K: 4158
Gilmore JP: 4388
Gimenez T: 3740
Gindhart TD: 1243
Ginsberg MH: 1244
Ginsburg M: 1236
Ginz B: 471

Ginzler EM: 855
Giordanengo F: 3473
Giordano D: 155
Giordano R: 1669
Giotti A: 3566
Giovacchini PL: 1245
Giovannangeli M: 1246
Giovannini C: 3494
Giovannucci ML: 793
Gipon L: 3444
Gips H: 160
Girard F: 297
Girard J: 196, 3708
Girault JM: 1247
Girgis M: 1248
Giri KV: 1249
Girndt J: 1250–1251
Gispen WH: 3444
Gitelman HJ: 2962
Giudice LC: 1252
Giudicelli S: 3080
Giurgea R: 1253
Giussi G: 511
Gjønnaess H: 1254
Głąb J: 3798
Głąb S: 4173
Gladkova NS: 3127
Gladkova SS: 3795
Glaesener R: 1891
Glänzer K: 4269
Glanzmann Ch: 1255
Glaser M: 981
Glass MR: 1256
Glatz TH: 4190
Glazko TT: 1803
Gleadle RI: 503
Gledhill RW: 4144
Gleich GJ: 3664
Gleicher N: 1257
Gleizer YY: 2289
Gless KH: 1258
Glidewell O: 2771
Glimcher MD: 1259
Glimcher MJ: 1260
Glimelius B: 3594
Glinoer D: 3222
Glitterstam K: 964
Glöbel B: 1459
Glober G: 1475
Globus M: 1261
Gloor F: 2741
Gloor M: 1262–1263
Glorioso N: 3141
Glossmann H: 1958
Glowinski J: 2722
Gluck M: 3717
Glück Z: 1085
Glueck CJ: 2516
Gnodde HP: 1264
Gobien R: 2238
Gobran LI: 3258
Goddard C: 3565
Godden U: 1578
Godeau F: 3443
Godeau JF: 829
Godfraind T: 1265
Godoy G: 24
Godzińska E: 2941
Goebelsmann U: 1170
Goerz G: 1266
Goette DK: 2314
Goetzl EJ: 3992
Gógl A: 1596
Gogoleva EA: 1692
Goh HH: 603
Goheer MA: 229
Goischke HK: 1267–1268
Gojon H: 1390
Gokhale BB: 1269
Gołąbek: 376
Golbus MS: 1270
Gold L: 2571
Gold PE: 2340
Goldberg LI: 2870
Goldberg M: 4196
Goldberg RT: 1271
Goldenberg RL: 2853
Goldhofer W: 2044
Goldman AL: 2068, 3041
Goldman B: 3330
Goldman GC: 2836
Goldman M: 1272
Gol'dovskaia MD: 3519
Goldschneider I: 212
Goldsmith JF: 1273
Goldsmith L: 3465
Goldsmith LA: 3026
Goldspink DF: 1274
Goldstein A: 1275
Goldstein AL: 2303, 2446
Goldstein DP: 281
Goldstein G: 1276
Goldstein M: 3456
Goldstein P: 4198
Gołębiowska I: 962
Golikov PP: 1277–1278
Golin R: 3719
Golovchenko SF: 1148
Gomez SM: 1516
Gómez Embuena A: 853
Gómez Saez JM: 1279
Goncharov NP: 1280
Goncharova MG: 2094
Gondos B: 1281
Gontscharow NP: 1282
Gonzales R: 1283
González NN: 2315
Gonzalez SM: 1284
González-Iñiguez R: 2421
González Macias J: 2454
González-Martínez R: 3053
Goodall AB: 3165
Goodenow TJ: 1285
Goodhardt MJ: 414
Gooding KM: 1288
Goodman DB: 1286
Goodman DS: 1655
Goodman HM: 2608
Goodman MA: 1368
Goodman NL: 2860
Goodrich JT: 3243
Goodrum KJ: 1287
Goodson JM: 3361
Goodwin FK: 181
Goodwin M: 1288
Goodwin MS: 1514
Gopinath PG: 29
Gorban' EN: 1289
Gorbman A: 844, 3658
Gorbunova ZI: 611
Gordin A: 1290
Gordon AA: 1291
Gordon D: 3509
Gordon E: 2393
Gordon GG: 1292, 4077–4078
Gordon JL: 1293
Gordon S: 1325, 1510
Gordon TP: 295, 1294
Gordon YB: 726
Gordon-Smith EC: 531
Gorewit RC: 1295
Görgényi A: 4050
Gori D: 318–319
Gorin E: 445
Gorin FA: 1296
Gorini L: 870
Görisch I: 2804
Gorlin RJ: 1297
Gorlushkin VM: 1280
Gorman RR: 1080, 1298–1300, 1584, 3139
Gormley PE: 1301
Gorodischer R: 4383
Górski H: 3295
Gorski J: 1302, 2223
Gorski RA: 1303, 3567, 4340–4341
Goshima K: 1304–1305
Gospodarowicz D: 4208
Gospodinov G: 1997
Gossard F: 721
Goswami HK: 1306
Gotoh T: 2585–2586
Gotohda E: 3911
Gottesdiener K: 3152
Gottschling HD: 3149
Goudie AJ: 3883
Gough DA: 3871
Gourmelen M: 2143
Goutte-Coussieu C: 1307–1308
Govaerts J: 1309
Goworek K: 2995
Grabensee B: 2086
Graber RB: 3728
Graber SE: 1310
Grabner G: 2001
Grachev II: 1311–1312
Grady RR: 713
Graef V: 1313, 1762
Graeff FG: 1314
Graf B: 1315
Gräf KJ: 2792
Graff G: 1497
Grahame-Smith DG: 410
Gram MR: 119
Gram N: 1258
Gramellini F: 382
Gramse M: 1463
Granditsch G: 1949
Granelli-Piperno A: 1316, 4029
Granier C: 3255–3256, 3256
Granier R: 884
Granoff AB: 1317
Granone A: 1318
Granström G: 2242
Grant JK: 3612
Grant LD: 1775
Gratama S: 3814
Graucob E: 1423
Gravame V: 523
Grave KC: 1319
Graves ZR: 3520
Gravis CJ: 1320
Gray AC: 3727
Gray GF: 635
Gray RG: 1321
Gray RS: 1322, 1673
Graystone JE: 591
Greco JM: 4137
Greco R: 299
Greco S: 4139
Grecu E: 638
Greely HP: 924
Green AR: 1478
Green EJ: 922, 1674
Green GJ: 3501
Green H: 1323
Green RC: 2361
Green TJ: 330
Greenberg DD: 3669
Greenberg S: 738
Greenblatt RB: 117
Greene HL: 3630, 4175
Greene LA: 273, 507, 1324
Greene LS: 1325
Greenfield LJ: 2487
Greengard O: 810
Greengard P: 1103, 3761
Greenspon SA: 2030
Greenwald P: 1575
Greenwood AG: 1326
Greenwood DT: 343
Greenwood FC: 1475
Greep RO: 1327
Greer SE: 4317
Grega DS: 1328
Greger R: 1329
Gregl A: 1330
Gregoire M: 3087
Gregorič V: 3052
Greil W: 409
Greiner JW: 2032
Greipel MA: 4013
Grenier J: 1331
Grennan DM: 1332
Greven JA: 4195
Grgičević D: 3349
Gridchik LP: 1649
Griffin JE: 30
Griffiths EC: 1333
Griffiths JC: 4273
Griffiths K: 1073, 1503, 2497
Grigor MR: 144
Grigor'ian GA: 2082
Grill V: 1334
Grim CE: 1335
Grimaldi P: 2717
Grimaud JA: 4105
Grimm J: 4061
Grimm W: 1214
Grinblat J: 1336
Grindeland RE: 970

Grindle M: 1337
Griner LA: 1338
Grinsted J: 2981
Gripenberg M: 1339
Griscelli C: 182
Griswold MD: 1146
Grizard G: 1511
Grodzińska L: 1340
Groll M: 1341
Grönroos M: 1342, 2271
Groom GV: 503
Gropp C: 1463
Gros C: 1343–1344
Gross C: 274
Gross DS: 1345
Gross I: 3258
Gross MD: 1347
Gross MJ: 1325
Gross R: 1350
Gross V: 767
Grosser BI: 2210
Grosser KD: 1348
Grossman MI: 2982
Grosso A: 1349
Grosvenor CE: 4224
Groth W: 1350
Grover RF: 2588
Grower MF: 1351–1352
Grubb SA: 3816, 4005
Grube D: 1353
Grudzinskas JG: 726
Gruenberger W: 1354
Gruhn K: 1966
Grumbach MM: 1834
Grünberger W: 1355
Grünebaum M: 1588
Grushkin CM: 4148
Gruskin A: 3062
Grussendorf M: 1622
Gruys E: 4287
Gryglewski RJ: 1182, 1340, 1356–1358
Grynpas MD: 386
Gstöttner H: 3490
Guadalix-López FJ: 4030
Gualde N: 2534
Gubler MC: 4121
Guccion JG: 1359
Gudat F: 1623
Gudkova AV: 2545
Gudowski G: 3161
Guédon C: 2108
Guenthner TM: 2519
Gueorgiev T: 1360
Guha T: 2510
Guidotti GG: 1361
Guignard JP: 1362
Guillemin R: 1363–1364, 1508, 1599
Guillet R: 1365
Guillon G: 514, 1366
Guilmette RA: 315
Guin AK: 1367
Guiraud-Chaumeil B: 3143
Gulati AK: 2927
Gullberg CA: 3398
Guman M: 2795
Gumerman LW: 1368
Gunasegaram R: 1369
Gunasekera SW: 2080
Gundersen T: 1370
Gunev V: 2439–2440, 2440
Gunjikar AN: 3537
Gunn A: 4241
Günther HM: 1371
Günther J: 767
Günther P: 1499
Günther R: 694
Gunville R: 3974
Guolo ML: 152
Gupta ML: 23
Gupta RC: 3522
Gupta RS: 1372
Guraya SS: 758, 1373
Gurovich AA: 3901
Gürtler H: 444
Gusareva EV: 1998
Guseva AM: 483
Gustafsson JA: 541, 3064, 3867
Gustafsson S: 3867
Gutensohn W: 1374
Guthrie D: 1375
Guthrie HD: 1975
Gutiérrez Cantó MA: 1376
Gutierrez Millet V: 2966
Gutman Y: 1062, 4358
Gutmann NS: 1377
Gutte B: 1378
Guyda H: 2107
Guyda HJ: 903
Guyot JF: 3288
Guyther JR: 1379
Guyton AC: 2415
Guzek JW: 1380
Guzmán V: 1381
Gworek SC: 3124
Gyarmati J: 1382
Gyarmati J Jr: 1382
Gyde OH: 2685
Gysin C: 3245

H

Haack D: 677, 1383
Haas HG: 1384
Haas RJ: 1729
Haasis R: 1807
Habener JF: 3269
Haber E: 3626
Habercom MS: 1385
Haberman MA: 1386
Habib R: 4121
Habrioux G: 1307
Hackenberg K: 2831, 4099
Hackenthal E: 1387, 3471, 4038
Hackenthal R: 1387, 3471
Haddeman E: 3851
Hadding U: 244
Haddy FJ: 2894
Hadidi T: 1232
Hadler WA: 3578
Hadley JC: 4251
Hadžiselimović F: 1388
Haebara H: 64
Haeberli A: 499
Haertel M: 1552
Hafeiz AA: 3521
Hafs HD: 1470–1471, 2776, 3182
El-Hage W: 3143
Hagen C: 2247–2248, 2248
Hagenouw-Taal JC: 1793
Haggard MP: 1389
Hagiwara S: 1917
Hagler L: 327
Hagstam KE: 3886
Haguenauer JP: 1390
Hahnel E: 1703
Hájek M: 1391
Hajj S: 1840
Halatek R: 1237
Halbasch G: 1270
Halberg F: 1392
Halbert SA: 2782
Halbreich U: 1393
Haley BE: 2867
Hall AK: 1394
Hall B: 1395
Hall BD: 1270
Hall C: 1396
Hall J: 1707
Hall JG: 505
Hall K: 2346
Hall LM: 1218
Hall M: 1236
Hall PF: 1397, 2691–2692
Hall R: 2346, 2360
Hall WD: 1398
Haller U: 1399
Halliwell RE: 1400
Haltmeyer GC: 25
Haluszczak C: 3487
Halves E: 1401
Hamada Y: 1402
Hamann GO: 1403
Hamazaki Y: 2828
Hambley J: 2882
Hamburger JI: 1404, 2557
Hamdy MA: 3521
Hamed I: 1405
Hameed S: 3957
Hamelink M: 3856
Hames BD: 415
Hamilton BP: 1406
Hamilton RD: 1300
Hamilton TC: 486, 1084
Hamilton W: 1407
Hamkalo BA: 1397
Hammarström S: 4272
Hammer M: 1408
Hammers R: 712
Hammond CB: 717, 2558
Hammond GL: 1409
Hamon M: 2722
Hamoudi AB: 741
Hamprecht B: 1410
Han DW: 1411
Hanaghan J: 1412
Hanau J: 1413
Hancock BW: 1414
Handa H: 4310
Handler JS: 3337
Handler RM: 2503
Handwerker MJ: 2340
Hanew K: 1415
Hänichen T: 3581
Hanid MA: 3926
Hanifin JM: 1416
Hanko JH: 1417
Hanley DA: 1418
Hanley EN Jr: 1368
Hanna S: 216
Hanna T: 550
Hannemann H: 3466
Hano J: 1419
Hanocq M: 1420
Hanoune J: 1421
Hanscom T: 1422
Hansen AP: 1425
Hansen H: 1
Hansen HG: 1423
Hansen HH: 2839
Hansen MK: 1048
Hanson GR: 1424
Hanssen KF: 1425
Hansson V: 377, 3097–3098
Haour F: 3334
Happ J: 1426–1427, 4166
Happle R: 1428
Haque AU: 3101
Hara A: 1429
Harati Y: 1430
Harcourt-Brown NH: 1431
Hard DL: 1901
Hård E: 747
Hardie DG: 1432
Hardin JM: 1109
Harding CF: 1433
Hardisty CA: 1434
Hardisty RM: 1435
Hardman JG: 4302
Hardonk MJ: 3649
Hardy J: 1436
Hardy KJ: 2253
Harell A: 2948
Hargrove JL: 969
Hariki K: 3968
Harizanova M: 1437
Harker CW: 3138
Harley JB: 2771
Harley JP: 2738
Harper JF: 1438
Harper ME: 1073
Harrington CA: 1439
Harrington DP: 4211
Harris BR: 2685
Harris JE: 1440
Harris M: 1441
Harris RA: 1628
Harrison AP Jr: 1442
Harrison DF: 1443
Harrison FA: 1444
Harrison RF: 1445–1447
Hart DM: 2250
Hart IC: 331
Hart J: 4299
Hart PD: 1448
Hart SL: 1236
Hart Z: 595
Hartlapp HJ: 1650
Hartman RD: 2433
Hartmann K: 3150

Hartmann N: 3150
Hartmann U: 1426
Hartnack B: 626
Hartwell KM: 3290
Hartwick RA: 2061
Haruyama T: 7, 1820–1821
Harvey DR: 2209
Harvey H: 3367
Hasan M: 3604
Hasan SH: 2792
Hasan SS: 3070
Hascall VC: 4313
Hasegawa O: 1685
Hashiba N: 2695
Hashimoto H: 1449
Hashimoto Y: 1450
Haslam RJ: 1451
Haslbeck M: 154
Haslett C: 1452
Hass G: 936
Hassan TA: 1232
Hassinen IE: 1734
Hastings B: 1208
Hata M: 2690
Hata Y: 3961
Hatakeyama N: 3807
Hatemi H: 1453
Hatemi S: 1453
Hathaway GM: 1454
Hathaway WE: 3166
Hathorn LF: 3669
Hatsukano H: 1685
Hattersley JJ: 363
Hatton DC: 1455
Hattori M: 1869
Hattori S: 1585
Hattori Y: 4309, 4335
Haubrich D: 2296
Haug M: 1456
Haug P: 3779
Haugen E: 1457
Haugen HN: 1458
Haupt W: 1459
Haurani F: 2771
Haus E: 1392
Hausamen JE: 1460
Hauser A: 3839
Hauser GA: 1461
Hauser-Gunsbourg N: 1462
Hausner J: 3624
Haussler MR: 3117
Hautecouverture M: 2318
Havard CW: 757
Havemann K: 1463
Havener WH: 4257
Haverling M: 1464
Havlicek V: 2097
Hawkins K: 4219
Hay FC: 3861
Hay ID: 1465
Hayase K: 3091
Hayashi H: 1466
Hayashi K: 912
Hayashi M: 1601
Hayashi T: 2088
Hayashi Y: 1652, 1816
Hayashida Y: 1467
Haycock JW: 4158
Haye R: 1468
Hayes SF: 1469
Haymond M: 2591
Haymond MW: 645
Haynes NB: 1470–1471
Häyry P: 1472, 3915
Hays EF: 234
Hays ET: 1473
Hayslett JP: 1474, 3484
Hayward JL: 490, 1475
Hazama F: 64
Hazra DK: 1476
Hazum E: 1477
Heal DJ: 1478
Heaney RP: 1479–1480
Hearn PR: 1481
Heath EC: 2805–2806
Heath RG: 1482
Heavens RP: 654
Heber J: 2045
Heberer G: 1483
Hecht F: 2932
Hecht Y: 1484
Heding LG: 2131
Hedinger C: 2489, 2673
Hedley AJ: 1485
Hedley JM: 474
Hedman LA: 2311
Hedner T: 1486
Heep H: 2119
Heersche JN: 2665
Heesen D: 55
Hegel U: 1149
Heid I: 724
Heide H: 2019
Heidland A: 3238
Heikkinen J: 1487
Heilmann E: 1488
Heim M: 3366
Heimann G: 1153
Heimann P: 2
Heimberg M: 3663
Heimes J: 1703
Heinrich B: 1489
Heinrichs HJ: 1490
Heissmeyer H: 1491
Heisterberg L: 1492
Heitzman RJ: 1493
Helber A: 389, 1258, 1494
Helenius T: 1290
Helfert I: 1391, 4106–4107
Hellbe L: 2600
Hellman B: 1495
Hellman L: 1858
Hellman LD: 4132
Helmig FJ: 1972
Helmius G: 122
Helsingen N: 3661
Helson-Cambier M: 1420
Hemberger JA: 1496
Hemler ME: 1497
Hemmes RB: 1498
Hempel E: 1499–1500
Hempel V: 1088
Hemrick SK: 1161
Hems DA: 1501
Henderkott U: 409
Henderson JR: 1502
Henderson M: 4321
Henderson WJ: 1503
Hendler H: 2668
Hendren WH: 2622
Hendrick EB: 2596
Hendy GN: 1902, 2903
Henkel W: 3457
Henkler G: 1504
Hennecke EW: 180
Hennemann G: 3633
Hennessy MB: 1505–1506
Henney JE: 1507
Henning HV: 1250–1251
Hennung P: 290
Henriksen SJ: 1508
Henriquez C: 2230
Henry DP: 1335
Henry JM: 1672
Henry KG: 275
Henry P: 2771
Henry RL: 2698
Henseler T: 3426
Henson PM: 2803
Hentschel U: 1509
Hepner GW: 1510
Hepp KD: 154
Herbaczyńska-Cedro K: 557
Herbert E: 54
Herbet A: 2722
Herbuté S: 2833
Herczeg J: 1020–1021
Hering A: 4051
Hermabessiére J: 1511–1512
Herman RH: 327
Herman ZS: 482, 3798
Hermand E: 2187
Hermel AA: 1513
Hermel MB: 590
Hernaez L: 3530
Hernández-Alcántara A: 2846
Hernando L: 2291
Hernando ML: 1150
Herold ES: 1514
Herpin D: 1515
Herrera E: 111
Herrera-Justiniano E: 1516
Herrera Pombo JL: 1517
Herrero CV: 2455
Herries DG: 1529
Herrmann HH: 3037
Herrmann J: 1518, 1703
Herrmann WM: 1519
Herschkowitz N: 3569
Herter U: 3490
Hervet E: 1014
Hervonen H: 1520
Herz A: 349
Herz R: 3673
Herzer P: 1521
Herzog J: 3683
Heshiki A: 3807
Hess CE: 2920
Hess E: 3603
Hess J: 2123
Hess S: 1781
Hesse V: 1522
Hester RK: 1523
Hettiarachchi J: 1122
Heuck CC: 3398
Heuser ET: 4148
Heuze D: 1005
Hewitt AT: 1524
Hewlett E: 1525
Heyma P: 1526
Heymann MA: 1699
Heynen G: 736
Heywood R: 1723
Hiatt N: 4102
Hib J: 1527
Hicks LL: 4137
Hicks MJ: 1528
Higgins SJ: 1529
Higgins TJ: 1530
Higuchi S: 2328
Hikasa N: 3384
Hilden J: 1531
Hilderson HJ: 1532, 4006–4007, 4084
Hilgard P: 1533
Hill D: 1534–1535
Hill DC: 209
Hill P: 70
Hillensjo T: 577
Hillier K: 1536
Hillyard C: 1722
Himathongkam T: 1537
Himsworth RL: 521
Hinaidy B: 500
Hincky M: 196
Hindman HB: 1538
Hines R: 1919
Hinghofer-Szalkay H: 1539
Hingorani V: 1848
Hinman M: 54
Hino N: 1540
Hinton BT: 1541
Hipkin LJ: 238
Hirai M: 3544–3545
Hiramatsu K: 3964
Hiramoto RN: 1230
Hirano M: 1921
Hirano T: 1542
Hirata F: 2821
Hirata K: 2377
Hirata S: 1168
Hirato YA: 980
Hiratsuka H: 1992, 3944
Hirman VI: 404
Hirn M: 803
Hirose F: 3812
Hirose S: 1658
Hirschelmann R: 1543
Hirschhorn R: 212
Hirschmann N: 2766
Hirschová V: 2795
Hirshowitz B: 1544
Hirst AE: 3637
Hirst BH: 1545
Hisada K: 492, 3909–3910
Hisayama T: 3809
Hitchcock H: 676
Hitchcock KR: 4255
Hitt JC: 1242
Hiwatashi A: 1546
Hnatowich DJ: 2716

Hníková O: 1547, 2028
Hnilica P: 2795
Ho CS: 2363
Ho WK: 4194
Hobe G: 1282
Höbel M: 1548
Hobson W: 2656
Hobson WC: 4262
Hochman J: 3465
Hochman PS: 733
Hodel C: 2929
Hodges CV: 3772
Hodges DC: 673
Hoefnagels WH: 1549
Hoehn H: 505, 1707
Hoel P: 377
Hoenich N: 2915
Hofbauer KG: 1550
Hofeldt AJ: 1551
Hofer B: 1552
Höfer R: 4186
Hoff KM: 166
Hoffenberg R: 506
Höffken G: 1553
Höffken K: 2820
Hoffman GE: 1554
Hoffman GS: 1555
Hoffman HJ: 1574, 2596
Hoffman PG: 1140
Hoffman PL: 3802
Hoffman R: 179
Hoffman WE: 1556
Hoffman WH: 595, 4207
Hoffmann FM: 1557
Hoffmann JC: 1558
Hoffmann K: 3569
Hoffmann P: 1559–1560, 3672
Hofman JA: 1549
Hofman KJ: 1561
Hofmann M: 1562
Hofmann S: 1563
Högberg B: 541, 2661, 3064
Hogy L: 2401
Hohaus B: 369
Hohenfellner R: 1564, 1704
Hohlfeld M: 1565
Hohmann JR: 2865
Hokazono H: 16
Hökfelt B: 1629
Hökfelt T: 3456
Holaday JW: 1566
Hole K: 3655
Holfeld H: 2820
Holland JF: 2771
Hollander CS: 533
Hollander VP: 1808
Holliday MA: 1567, 3062
Hollified J: 1219
Hollifield JW: 2796
Hollingworth RM: 4322
Hollister AS: 1568
Hollnagel H: 1646
Holló I: 1569–1570, 2005
Höllt V: 349, 916
Hollwich F: 1571
Holman BL: 598
Holman DW: 180
Holman GM: 685
Holmberg G: 9
Holmberg NJ: 1849
Holmes EW: 1681
Holmes RP: 1572
Holmgren PA: 1573
Holmström T: 2873, 2876
Holness RO: 1574
Holsapple MP: 4322
Holstein AF: 3461
Holt JA: 1575
Holtrop ME: 1576
Holtz W: 3037
Holub M: 489
Holz RW: 1577
Holzbauer M: 1578
Holzwarth MA: 1579
Homonnai ZT: 1580, 2948
Honbo KS: 4013
Honda T: 2589
Honeyman TW: 468
Hong KC: 727
Honma Y: 606
Honn KV: 1581
Honoré LH: 1582
Honzák R: 4060
Hoogervorst-Spalter H: 105
Hook JB: 3766
Hooper J: 2652
Hooper RG: 2482
Hopkins CR: 1583, 4122
Hopkins DH: 374
Hopkins J: 1234
Hopkins NK: 1300, 1584
Hopkinson CR: 583
Hoppe I: 2942
Hoppe-Seyler P: 1491
Horacek I: 2253
Horai T: 1585
Hori Y: 1586
Horie R: 36
Horiuchi N: 3808
Horn F: 2979
Horn R: 3206
Hornby-Smith A: 3122
Horne CH: 1587
Hornstra G: 3851
Horodniceanu C: 1588
Horowitz AJ: 1589
Horrobin DF: 1590, 3412
Horst RL: 1591
Horst W: 1255
Horster FA: 1592–1593
Horton JE: 1594
Horton WA: 1595
Horvath SM: 3237
Horváth T: 1596
Horwitz A: 2020
Horwitz D: 4073
Horwitz RI: 1597
Hosey MM: 3218
Hosking DJ: 1598
Hosobuchi Y: 1599, 2352
Hosoda S: 2083
Hosoi K: 1600
Hosoya T: 1601
Hossfeld DK: 1533
Hostýn L: 1602
Hotta K: 3804
Houdebine LM: 1603–1604
Houlton MC: 1605
Hourtoule P: 3366
Houston B: 2764
Hovig T: 4242
Hovland KR: 50
How J: 1606
Howard G: 1108
Howard JL: 4169
Howards SS: 1753
Howd RA: 1607
Howe J: 4268
Howe R: 343
Howells KF: 1608
Howlett CR: 632
Howlett DR: 1609
Howley T: 1126
Howser DM: 200
Howton MM: 4238
Hoyler E: 775
Hoyumpa AM Jr: 4252
Hrubesch M: 3420
Hruška F: 3405
Hsie AW: 2213
Hsu AC: 1610–1611
Hsueh AJ: 1612
Hsueh W: 3616
Hu SK: 2446
Hubbard SM: 200
Huber C: 4
Huber E: 1613
Huber G: 1614
Huber HP: 1615
Huber S: 1616
Hubert RT: 1180
Hubl W: 3698
Hübner G: 3751
Hubsch S: 1498
Huchon D: 2657
Huck P: 1414
Huckins C: 1617–1618
Huddleston JF: 2853
Hudson AM: 269, 1619
Hudson B: 816
Hudson CN: 1620–1621
Huellmantel AB: 3487
Huffer WE: 3166
Hüfler M: 3398
Hüfner M: 1622
Hug J: 1623
Huggins GR: 1624
Hughes MR: 3117
Hughes S: 1625
Hughesdon PE: 1626
Hui SC: 701
Huidobro-Toro JP: 1627–1628
Hull D: 971
Hull SF: 327
Hullihen J: 2953
Hulthén L: 1629
Humes JL: 391
Humhal J: 2864
Hummer L: 1710
Hummerich W: 389, 1494
Humphreys MH: 1630
Humphreys RP: 2596
Humphries J: 1631
Humphries WR: 3107
Hundeshagen H: 3434
Hundhausen T: 827
Hung W: 1632
Hunt DM: 1633
Hunt GE: 1634
Hunt TM: 411
Hunt VR: 1635
Hunter AG: 2959
Hunter B: 1723
Hunter JC: 3388
Hunter JR: 1758
Hunter WM: 1636
Hurst BC: 3885
Hurwitz S: 948
Husain A: 1637
Huss HA: 3520
Hussein DM: 1407
Hussl B: 1638
Hustin J: 1639
Hutton JD: 3165
Huxtable R: 1640
Hymer WC: 4184
Hyttel J: 1641–1642
Hyyppä M: 3780

I

Iacone A: 812
Iaïgma MA: 2288
Iakovlev AA: 3628
Iakovlev NN: 1643
Ianakieva M: 128
Ianăs O: 754
Ianhez LE: 618
Iarovaia IM: 3127
Ibayashi H: 1644
Ibsen H: 1645–1646, 1837
Ichigashira N: 1647
Ichihashi M: 2696
Ichikawa Y: 1546
Ichiyanagi K: 492
Ide N: 3818
Idler DR: 1994
Idriss H: 1124
Iguchi H: 1653
Iijima T: 3807
Ikai K: 1654
Ikeda C: 2628
Ikeda M: 2819
Ikeda Y: 1875
Ikekawa N: 927
Ikemoto F: 1648
Ilett KF: 2816
Ilić J: 253
Ilien B: 2310
Iliescu O: 4382
Il'ina GA: 1649
Illiger HJ: 1650
Illnerová H: 1651
Ilyes S: 1253
Imaeda T: 3785
Imagawa T: 2686
Imai K: 1652–1653
Imai Y: 7
Imamura F: 2627

Imamura S: 1654
Imawari M: 1655
Imboden H: 803
Imbs JL: 1656
Imes NK: 2854
Imshinetskaia LP: 1689
Imura H: 6, 1869, 2687, 2696, 3805
Inaba T: 1657
Inaba Y: 1992, 3944
Inagaki T: 1601
Inagami T: 1658, 2844
Inao H: 2697
Ingenbleek Y: 1659
Ingham KC: 1660
Ingram KA: 1662
Inhorn SL: 2845
Innamorati G: 702
Innes DJ: 4248
Inomata H: 1855
Inoue A: 2694
Inoue H: 1026
Inoue K: 3910
Inoue M: 1663, 3964
Inoue Y: 2696
Insel PA: 1664
Intoccia A: 2961
Invernizzi F: 3016
Inversini G: 682, 2954
Ionescu B: 1665
Ionescu L: 4382
Ip M: 1666
Ipp E: 1667
Irace G: 1668
Iraci G: 1669
Ird EA: 1670–1671
Irey NS: 1672
Irokawa N: 7
Irvine WJ: 231, 1673
Irwin J: 1986
Isa JC: 511
Isaacs AJ: 2405
Isaacson RL: 922, 1674
Isachenkov VA: 2058
Isaksson O: 43
Isele H: 1675
Ishibashi H: 1676
Ishida H: 3811
Ishiguro S: 3836
Ishii K: 1750
Ishii S: 3943
Ishikawa N: 3826
ishikawa O: 3836
Ishikawa R: 2931
Ishikawa TT: 2516
Ishimaru K: 1677
Ishimura Y: 2577
Ishiwata I: 1678
Ishizaki F: 1679
Ishkov VL: 1024
Island DP: 2354
Isles TE: 4241
Ismajowich B: 947
Isomura G: 1947
Israel JN: 781
Issekutz AC: 1680
Itakura H: 1655
Itakura M: 1681
Ito A: 1682
Ito H: 2626
Ito M: 1540, 1977
Ito S: 1683–1684
Ito T: 7, 1685, 2808
Itoh F: 3961
Itoh T: 1686
Itokawa Y: 1924–1925
Iudaev NA: 1687
Iudkovskaia IL: 2273
Iumatov EA: 1688
Iunda IF: 1689
Iurchenko AA: 2010
Iurisova MN: 1690
Ivanenko TI: 1691
Ivanov VG: 1692
Ivanov IuV: 1693
Ivanova RD: 1694
Ivashchenko AT: 1695
Ives EJ: 1707
Iveson-Iveson J: 1696
Ivey JL: 3834
Ivić M: 1697
Iwami K: 1698
Iwamoto HS: 1699
Iwangoff P: 414
Iwasaki Y: 6
Iwata H: 149, 2476
Iwata N: 3346
Iwatsu T: 1700
Iwatsuka H: 2678
Iwiński J: 2754
Iyengar R: 1701
Iyomasa Y: 4339
Iyori S: 3339
Izquierdo I: 1702
Izumi M: 2379
Izumi S: 2577
Izzo JL Jr: 4073

J

Jabłońska S: 3697
Jackanicz TM: 4064
Jäckel W: 1703
Jackisch R: 2855
Jackson IM: 279
Jacob JJ: 1247
Jacob ST: 2240
Jacobi GH: 1704–1705
Jacobowitz DM: 725, 1706, 2462
Jacobs DS: 3709
Jacobs HS: 1241, 3165
Jacobs PA: 1707
Jacobs RR: 1708
Jacobs TP: 1709
Jacobsen BB: 1710
Jacobson ED: 188, 2564
Jacobson M: 230
Jacobson S: 1711
Jacoby I: 1712
Jacoby JH: 1713–1714
Jacovella G: 605
Jadot G: 477
Jaeger H: 3275
Jaeger JH: 1891
Jaffe BM: 1715, 3368
Jaffe CC: 4134
Jagus R: 1716
Jahnke K: 1717
Jain RK: 1476
Jain SK: 1718
Jakobiec FA: 1551
Jakobs KH: 1719, 1768
Jakoubková J: 3624
Jakubovský J: 4364
Jakubowska D: 3829
Jakubowski L: 1814
Jalali S: 115
Jallageas M: 1720
James A: 1197
James GW: 2771
James HE: 1721
James MF: 1722
James RW: 1723
James T: 2331
James VH: 3165
James WH: 1724
James WP: 3539
Jamieson E: 1029
Jamieson SW: 1725
Jamrozik Z: 482
Jan JE: 1726
Jan M: 835
Janczewski Z: 151
Janecek P: 1727
Janecka I: 3250
Janev D: 3991
Janiec W: 1728
Janka GE: 1729
Jankowski RP: 4210
Jänne O: 3913
Jänner M: 1730
Janoušková M: 561, 3405
Janowiec M: 1096
Janson PO: 3239
Janssen JW: 1731
Januszewicz W: 1732
Jard S: 514, 1366
Jarillo MD: 2966
Jarvis LG: 1444
Jaskoll TF: 1733
Jasper HH: 3156
Jauhonen VP: 1734
Jaurena J: 4049
Javadpour N: 1735–1739
Javaid JI: 1740
Javey H: 398
Javitt NB: 1741
Jawad MJ: 1742
Jawadi MH: 1743
Jaya Rao KS: 2593
Jayakumar A: 3605
Jayaram M: 1184
Jayle MF: 1307–1308, 2142, 3923
Jean C: 286, 1744
Jean-Faucher C: 286, 1744
Jeanmougin M: 3916
Al-Jeboory AA: 1745
Jedrychowski A: 1088
Jędrzejewski R: 1746
Jeffcoate SL: 1333
Jegasothy BV: 1747
Jelić S: 1748
Jellinek G: 1749
Jellinger K: 3207
Jellins J: 722
Jemmali M: 1750
Jeng SS: 1751
Jenkin G: 1752, 3843
Jenkins AD: 1753
Jenkins B: 2961
Jenkins N: 3774–3776, 3775–3776
Jenkins RM 2d: 2931
Jennekens FG: 3444
Jenner P: 655
Jennings K: 1795
Jennings M: 1707
Jens H: 1088
Jensen G: 2661
Jensen JA: 2340
Jensen LB: 1
Jensen RT: 1754
Jensenius J: 3063
Jequier AM: 1755
Jereb B: 2166
Jeren T: 3657
Jerina DM: 2199
Jeschke BU: 1756
Jessurun RF: 1757
Jeune M: 272
Jiang NS: 2641
Jick H: 617, 1758
Jillella D: 164
Jiménez R: 2262
Jiménez Alvarez C: 352
Jimenez de Asua L: 2807, 3301
Jina R: 1759
Jindra A: 2864
Jirakulsomchok D: 3432
Jirsch DW: 102
Job JC: 528
Jobo T: 2380
Joh TH: 1760
Johannessen SI: 3260
Johannisson E: 1761
Johannsen R: 1762
Johanson H: 1464
Johansson B: 950
Johansson C: 1763
Johansson ED: 986, 4064
Johansson F: 4098
Johansson I: 122
Johnsen HJ: 2515
Johnsen SG: 3676
Johnson CL: 4219
Johnson DC: 923, 1764
Johnson DG: 1709
Johnson DW: 3554
Johnson E: 1774
Johnson ER: 1765
Johnson IR: 1637, 1766
Johnson JE: 180
Johnson LS: 1767
Johnson LY: 4033–4034
Johnson M: 1445–1446
Johnson RA: 1768
Johnson RP: 1919
Johnson SM: 136
Johnston CI: 82, 1769, 2344, 3095
Johnston D: 1770
Johnston JM: 2332

Johnston RN: 2940
Johnston SD: 1771
Jokanović R: 1772
Joko J: 3548
Joliot AY: 1773
Jolivet A: 1204
Jolly EE: 2704
Jonas H: 3682
Jonas P: 1774
Joncas JH: 2212
Joncquiert F: 640
Jones A: 808
Jones CN: 1775
Jones HW: 1140
Jones HW Jr: 1776–1777, 3142
Jones IS: 1551
Jones JC: 2347
Jones MD: 1765
Jones R: 472
Jones RL: 1778
Jones RS: 136, 1779
Jones TM: 4281
Jones V: 3079
Jonsen J: 2838
Jonsson G: 3047
Jontofsohn R: 1491
Joossens JV: 1011
Joplin GF: 1888, 2458
Jordan TC: 1608
Jordan VC: 1780
Jorgensen NA: 1591
Jørgensen PI: 1492
Joseph R: 1781
Joseph-Bravo P: 585
Joshi PS: 1184
Joshi U: 3365
Joshita Y: 1782
Joshua H: 105, 1336
Josse RG: 2665
Jost A: 1783
Jost H: 1784
Jošt K: 2153
Jouvenaz GH: 2788
Jouvet M: 787
Jowsey J: 1510
Jowsey JO: 1785, 2720
Juan H: 1786
Jubiz W: 875
Juchault P: 1787
Juchli P: 276
Juhász-Nagy S: 3671
Julian CG: 3142
Julius DA: 1788
Jullienne A: 2551
Jumawan J: 1789
Jung C: 921
Jung HD: 1509
Jung RT: 3539
Jung-Testas I: 1790
Junge U: 1791
Juorio AV: 1792, 3001
Jurado M: 732
Jurkowski M: 317
Jusko WJ: 3263
Juster G: 3091
Justus J: 3419
Jutisz M: 1898
Juttmann JR: 1793

K

Kabaker M: 1794
Kaciuba-Uściłko H: 484
Kaczmarek LK: 1795
Kaden F: 2490
Kado B: 2689
Kaeser HE: 2066
Kagan EH: 3689
Kahanpää A: 4025
Kahn A: 1796
Kahn C: 219
Kahn D: 3723
Kahn HJ: 1797
Kaibara N: 2478
Kaise K: 4307
Kaise N: 4307
Kaiser KK: 1890
Kaiser R: 1798
Kaiser-McCaw B: 2932
Kaito H: 64
Kaji E: 2662
Kajiwara N: 2572
Kajiwara T: 1155
Kakihana R: 516
Kakuta S: 1799
Kalamkarian AA: 1800
Kalant H: 1070
Kalantarov KD: 967
Kalat JW: 1801
Kalbhen DA: 1802
Kaledin VI: 1803
Kaler LW: 1804
Kaliner M: 1805
Kaliner MA: 1180
Kalinin AP: 863
Kálix P: 1806
Kallee E: 379, 1807, 3441
Kallos J: 1808
Kalm E: 3037
Kálmán K: 1809
Kalmár L: 1810–1813
Kalmijn M: 533
Kaluzewski B: 1814
Kalweit H: 3282
Kamenskiĭ AN: 4389
Kameya T: 3810
Kamikawa Y: 1815
Kamiya Y: 3940
Kamiyama R: 1816
Kamstra G: 1817
Kanasaki Y: 2811
Kanatsu K: 1429
Kanda N: 1818
Kanda Y: 2083
Kandel ER: 1819
Kaneda H: 1820–1821
Kaneda K: 1868, 2819
Kanerva RL: 81
Kanezuka H: 2396
Kang YS: 2910
Kangasaho M: 4023
Kanis JA: 736, 3842
Kanki S: 3967
Kansky A: 1822
Kantak KM: 1823–1825
Kanto J: 2117
Kantrowitz F: 3232
Kao GF: 1826
Kao MS: 1861
Kaojarern S: 1537
Kapadia AS: 118
Kapernick PS: 2392
Kapitola J: 1827–1828
Kaplan BB: 1829
Kaplan D: 855
Kaplan EL: 1830
Kaplan J: 595
Kaplan MM: 1192
Kaplan RJ: 1831
Kaplan S: 1832
Kaplan SI: 1833
Kaplan SL: 1834
Kapoor MS: 1835
Kapoor S: 1835
Kapp LN: 1836
Kappakas GS: 1368
Kappelgaard AM: 1645–1646, 1837
Kapsha JM: 1838
Kapur BM: 1839
Karaharju E: 2873, 2875–2876
Karai A: 1036
Karam K: 1840
Karasek M: 1841
Karatzas G: 4080
Karim SM: 1369
Karl RC: 4365
Karlsberg RP: 1842
Karmańska K: 1843
Karmarkar MG: 29
Karnicka-Młodkowska H: 4376
Karny N: 848
Karpati G: 1844
Karr JP: 1845
Karrinaho T: 3610
Karseladze AI: 1846
Karski J: 376
Karstens JH: 73
Kasai Y: 2627, 3961
Kasal CA: 1847
Kasatkina LV: 3020
Käser-Glanzmann R: 2465
Kashimura M: 3769
Kashimura Y: 3769
Kasid A: 1848
Kasiukova OA: 265
Kaslow RA: 2459
Kass MA: 1849
Kassenaar AA: 1731
Kastin AJ: 1850–1851, 2840
Kasuya Y: 3809
Katada T: 1852
Kataoka K: 2477
Katayama P: 3197
Kater L: 124
Kather H: 1853, 3587–3590
Kathpalia SC: 2230
Katiyar GP: 1854
Kato E: 3339
Kato M: 1855
Kato N: 4305, 4327
Kato T: 3785
Kato Y: 6, 1856, 2380
Katsulov A: 1857
Kattau R: 3627
Katz AM: 1528
Katz JL: 1858, 4132
Katz M: 1859
Katz RJ: 1860
Katzenstein AL: 1861–1862
Kaude JV: 945
Kaufman RH: 1863
Kaufmann H: 105
Kaufmann W: 1494
Kaukel E: 4091
Kauker ML: 158
Kaulen D: 55
Kaunzner W: 3012
Kauppila A: 1864
Kauschansky A: 1865, 2031
Kavanaugh JF: 470
Kavkalo DN: 1866
Kavkasidze MG: 2007
Kawagoe K: 1867
Kawahara Y: 1816
Kawai C: 1429
Kawai T: 2811
Kawakami M: 1923
Kawakami R: 1933
Kawamoto Y: 1868
Kawamura J: 1869
Kawana T: 1867
Kawano H: 748
Kawaquchi R: 1870
Kawarada Y: 2478
Kawashima K: 1871
Kawashima Y: 3544–3545
Kawata K: 1872
Kawato M: 1540
Kay C: 277
Kay CR: 1117, 1873, 4261
Kay R: 1874
Kayama M: 1875
Kayser A: 1971
Kazak LE: 364
Kazeev KN: 1876
Kaznacheev VP: 1877
Kebabian JW: 1878
Keck E: 1879
Kędzia W: 3801
Keely SL Jr: 1880
Keenan KM: 2091
Keenan TW: 1133, 3381
Keeton TK: 1881
Kehlet H: 1882
Keightley DD: 3891
Keil LC: 1699, 1838, 3874
Keiser HR: 4073
Keith RE: 900
Kelâmi A: 1883
Kelemen G: 1811
Kellaway IW: 2449
Kellems RE: 1884
Keller GH: 1885
Keller J: 1491
Kelley CD: 3518
Kellner G: 1489
Kellogg C: 114
Kellogg J: 2852
Kelly KM: 1575

Kelly L: 269
Kelly MJ: 1886
Kelly P: 1625
Kelly PA: 2098
Kelly PT: 1887
Kelly WF: 1888
Kelnar CJ: 1889
Kelts KA: 1890
Kemp RG: 3218
Kemper B: 882
Kemperdieck H: 3694
Kempf I: 1891
Kenéz J: 1892
Kennedy AC: 710
Kennedy AL: 1893
Kennedy EL: 2448
Kennedy LA: 1894
Kennedy S: 508
Kennedy W: 3662
Kenny AD: 170
Kent S: 1895
Kenyon CJ: 1481
Keown P: 1896
Kera K: 3855
Kerbauy J: 1897
Kerdelhué B: 1898
Kerényi A: 1036
Kerlan JT: 1206
Kerley ER: 1899
Kern WH: 1900
Kerr DN: 2914–2915
Kershaw GR: 481, 3890
Kertiles LP: 1901
Keser G: 1879
Kesner RP: 3900
Keutmann HT: 1902
Keyes JW Jr: 1903, 1920
Kezdi P: 2004
Khaĭkina MB: 2896
Khairallah PA: 1904
Khaitov RM: 2631
Khalil M: 526
Khan AA: 3220
Khan AN: 4145
Khan FS: 1905
Khan M: 3220
Khan R: 1625
Khan RA: 1906
Khandelwal RL: 1907
Khanna OP: 1908
Khar A: 1898
El-Khawass SM: 2599
Kho TL: 805
Khokhlov AP: 1909
Khomasuridze AG: 3898
Khomaziuk AI: 1910
Khomenko BM: 513
Khosla MC: 1062, 1904, 2688
Khosla PK: 1911
Khosla SS: 1912
Khudaverdian DN: 1913
Khuri FJ: 1914
Khutorskaia VD: 1915
Kicovic PM: 1215
Kida T: 1916
Kidd BS: 1610
Kidokoro Y: 1917
Kidwell WR: 4226
Kiefer G: 3206
Kienlen J: 907
Kihara T: 149
Kiiatkin EA: 1688
Kikuchi A: 870
Kikuchi K: 1918
Killam KF Jr: 3273
Kilpatrick MJ: 670
Kim DS: 2977
Kim H: 2710
Kim HJ: 1919
Kim HR: 1920
Kim JS: 1921
Kim U: 1666
Kimberg DV: 2719, 3553
Kimberly RP: 1922
Kimbrough TD: 2110
Kimoto H: 2702
Kimula Y: 1944
Kimura F: 1923
Kimura H: 4309
Kimura M: 1924–1925
Kimura N: 1799
Kimura S: 2702
Kimura T: 1855, 1926
Kin FC: 3860
Kincaid HL: 1742
Kindt GW: 1234
King CR: 1927–1928
King DJ: 4253
King DS: 4353
King GJ: 1576, 3226
King J: 1929
King JO: 1930
King R: 4216
King RJ: 1931
King TM: 501
King TW: 569
Kingham JG: 1932
Kingstone D: 3796
Kini S: 2557
Kinnear DG: 1767
Kinoshita F: 1933–1934
Kinsella AR: 1935
Kinson GA: 1936
Kintner LB: 924
Kintz J: 2597
Kinutani M: 749
Kiowski DW: 487
Kirchner I: 3741
Kirdani RY: 1845
Kirillov VF: 1937
Kiriwat O: 1985
Kirk RL: 1079
Kirkegaard C: 3884
Kirkpatrick SE: 1141
Kirksey A: 1938
Kirsch W: 1743
Kiser TE: 1470–1471
Kisfaludy L: 2301, 3340
Kishihara M: 1939, 2696
Kishimoto T: 2479
Kisliak NS: 1940
Kisliakova LP: 1311
Kiss J: 2259
Kiss K: 2259
Kiss P: 1941–1942
Kissi M: 1943
Kistler MK: 2859
Kistler WS: 2859
Kita T: 2572, 2694
Kitabchi AE: 3331
Kitagawa S: 1782
Kitajima Y: 3493
Kitamura H: 1944
Kitani K: 1945
Kitay JI: 713
Kitchell BB: 1946
Kitoh J: 1947
Kitos PA: 3075
Kitsunai Y: 1948
Kivovics P: 68
Kiyono S: 2768
Kjeld M: 2080
Kjeldsen I: 3921
Klabuschnigg A: 1949
Klahr S: 4229
Klandorf H: 1950
Kläring W: 1212
Klase PA: 1838, 3874
Klassen LW: 934
Kledzik GS: 1054
Klehr HU: 1951
Kleihauer E: 4260
Klein A: 105
Klein DC: 2700
Klein E: 1952
Klein R: 3797
Kleinberger G: 3207
Kleine TO: 1953–1954
Kleinhaus S: 1955
Kleinknecht D: 1956
Kleinman HK: 1957
Kleinsmith LJ: 872
Kleinstein J: 1958
Klemencic J: 2119
Klemm HP: 1959
Klemm J: 1050
Klemp A: 630
Klempa I: 1130
Klepinger LL: 1960
Klepp O: 1961
Kley HK: 1962
Kligman AM: 1963
Kliherman MM: 1964
Klijn JG: 2113
Klimek J: 375
Kliment J: 1965
Kliment V: 3752
Klimkait W: 389
Klinger G: 1966, 4088
Klinger J: 3419
Klippel KF: 1967
Klishevich IB: 1060
Klocjkov DV: 1690
Klockars M: 3175
Kloppenborg PW: 1549
Klopper JF: 3669
Klotzbach M: 1504
Klumpner GH: 1968
Knapp ME: 3951
Knapp MS: 709, 1969
Knauf W: 2656
Kneale MT: 2840
Knecht E: 4296
Knezevic P: 1212
Knigge KM: 1554
Knight AF: 201
Knight BL: 3619–3620
Knight DE: 167
Knight JC: 4288
Knight JG: 2920
Knight PJ: 1970
Knobil E: 252
Knoll E: 1971
Knöpfle M: 1622
Knorr D: 1972
Know JM: 410
Knowland J: 1973
Knowles JF: 1974
Knox GE: 2853
Knox GF: 4182
Knox KW: 4227
Knox WE: 1538
Knudsen JF: 1975
Knudson CM: 1976
Kobayashi I: 1977
Kobayashi K: 1978, 3346
Kobayashi R: 1979
Kobayashi S: 1542, 1600
Kobayashi T: 2829
Kobayashi Y: 2572
Kobrin I: 2093
Koburova K: 190
Koch B: 1980
Koch H: 1504
Koch KM: 1130, 3120
Kochhar OS: 1981
Kochsiek K: 1807
Kocián J: 1982
Kockott G: 3018
Kodama S: 1983
Koeda T: 1855
Koelmeyer TD: 1984
Koelz HR: 3673
Koenig W: 3362
Koeppe HW: 854
Koeppe P: 1553
Koerper M: 3166
Koetsawang A: 1985
Koetsawang S: 1985
Koga K: 3343
Kogan ME: 192
Koh TL: 275
Kohl KH: 677, 2221
Kohl R: 409
Kohl RL: 774
Kohler P: 2178
Kohler PO: 3296
Kohli JD: 2870
Koide T: 3942
Koike T: 2768
Koivisto M: 1864
Kojima A: 980, 1855
Kokkinidis L: 1986
Kokot F: 1987, 2863
Kokron O: 1988
Kolb B: 1989
Kolbe H: 4186
Koldovský O: 1789
Kolesnik AG: 3082
Koley AR: 341

Kolloch R: 824
Kolodina LN: 1990
Kołodziejska D: 864
Kołodziejski T: 2081
Kolzow RG: 1991
Komatsu K: 1992
Komatsu M: 1157
Komatz Y: 1993
Kominek LA: 4288
Kommerell B: 3588–3590
Komolov IS: 1687
Komourdjian MP: 1994
Kon H: 2519
Konagaya Y: 2686
Kondo K: 1995, 3339
Kondo M: 1934
Kondo S: 1158
Kondo T: 3826
König MP: 3760
König P: 1613
König W: 3121
Konijn TM: 2475
Konishi T: 2826
Konjanovski D: 2922
Kono M: 1652
Konowalchuk J: 1996
Konrad C: 1958
Konrads A: 1550
Konstantinov B: 3907
Konstantinov D: 3702
Konstantinov P: 1997
Konstantinova MM: 1998–1999
Kontor E: 4050
Kontras SB: 741
Konzelman JL: 2724
Koo GC: 799, 4109
Kooij M: 3211
Koop J: 3990
Kopeć P: 3946
Kopecký A: 2000, 2429, 3659, 4076
Kopecky KJ: 531
Kopeloff LM: 46
Kopieczna E: 3829
Kopin IJ: 2325, 3325
Kopp HG: 4061
Kopp N: 272
KOPP S: 4199
Kopp U: 10
Kopsa H: 2001
Kopytova FV: 2002
Koraćević D: 1697
Körber H: 3434
Korbut R: 1358, 2003
Kordač V: 461
Kordenat K: 2004
Kordon C: 585, 988
Korein J: 533
Korenman JC: 2006
Korenman SG: 2006
Korenyi-Both A: 3067
Koridze MG: 2007
Koriukin VM: 2008
Koriyama K: 2009
Korkach VI: 2010
Korkina MV: 2011
Korner PI: 82, 3095
Kornfeld S: 2216
Korobeĭnikova AI: 2265
Korobkin M: 2012
Korovin AM: 2013
Korovkin BF: 92, 2014
Korovkina EG: 4387
Korovnikov KA: 2015
Korsager S: 2016
Korte F: 2656
Korte K: 160
Korzeniowski D: 2199
Kosaka K: 1655
Koshy E: 314
Koshy KT: 2017
Kosik OG: 2018
Kossoff G: 4147
Koster JF: 3993
Köster K: 2019
Kösters S: 2020
Kostial K: 2474
Kostić G: 3597
Kostka-Trąbka E: 1340
Kostov L: 1997
Kosuda S: 1933
Kotaka S: 2021
Kothbauer P: 3207
Kots JM: 280
Kotthoff B: 3268
Kouřim J: 2022
Kovač T: 2023–2024
Kovacs E: 1094
Kovács GL: 3847
Kovács I: 173
Kovács L: 1020
Kovalev IE: 2758
Kovalev NM: 2848
Kovaleva TA: 121
Kövary PM: 2025
Kowada M: 1918
Kowalski CJ: 2026
Kowanko I: 1969
Kozak W: 744
Kozarska-Samek E: 905
Kozhemiakin LA: 2014
Kozin F: 1244, 1919
Kozlov AV: 2014
Kozlova VI: 2034
Kozlowski GP: 524
Kozlowski K: 2027, 2329
Krab K: 4234
Kračmar P: 873, 1547, 2028
Kraicer J: 2029, 4032
Kraicer PF: 1580, 2948
Krainčanić M: 3597
Krajewska B: 4376
Krakower CA: 2030
Kramer AA: 3020
Kramer G: 1351
Kramer MS: 2031
Kramer RE: 2032
Kramer W: 1214
Kraner HW: 2033
Krantz SB: 1310
Krapivenko VT: 40
Krasnokuki D: 476
Krasnova AF: 1643
Krasovskiĭ EB: 2034
Kraus H: 222
Krause W: 2035
Krausz M: 1062
Krauze M: 2036
Kravtsov IuI: 2730
Krawczynska H: 904
Krawitt EL: 1089, 2037
Krayniak PF: 2038–2040
Kream BE: 3124–3125
Kream J: 4132
Krebietke P: 2041
Krebs E: 2042
Krebs EG: 2403
Krebs RA: 2560
Křeček J: 1651
Kreek MJ: 2043
Kreft C: 1003
Kreidberg MB: 1210
Kreienberg R: 2044
Kremer E: 839
Kremer F: 225
Kressel HY: 2012
Kretschmar K: 2045
Kreukniet J: 3856
Kreusser W: 2046–2047
Kreuzberg HJ: 2048
Kreye VA: 1548, 2049
Krichevskaia IE: 2050–2051
Krieger DT: 2258
Krieger MS: 2052
Krimsky E: 2053
Krisch B: 2054–2056, 2055–2056
Krischke W: 1650
Krishna D: 2057
Krishnamurty A: 3382
Krisiloff M: 3250
Krivit W: 1224
Krivitskiĭ DI: 3623
Krivosheev OG: 2058
Krivosheina GN: 483
Križanac S: 253
Krobisch-Dudley G: 3474
Kroh U: 1954
Krokowski E: 2059
Krøll J: 3063
Kronheim S: 3533
Kršiak M: 966
Krstalić N: 2060
Krstalić V: 2060
Krstulovic AM: 2061
Krück F: 4269, 4300
Krueger GR: 2062
Krug H: 2063
Kruger SR: 231
Kruijt JK: 3993
Krulich L: 3257
Krummen K: 2494
Krupp PP: 1143
Krusius T: 3913
Krüskemper HL: 1703, 1879, 1962, 3429
Krušlin E: 1388
Krüsmann WF: 2064
Krustev Kh: 171
Kruuv J: 2190
Kruyver GP: 2065
Kryk A: 482
Kryl P: 2066
Krylov LM: 1178
Krylova AN: 2067
Krynitsky A: 642
Kryski JA: 3431
Krzanowski JJ: 2068, 3041
Krzyżanowska-Swiniarska B: 962
Kshutashvilli TSh: 2151
Kubanek B: 2069
Kubicka RA: 2070
Kubo A: 1933
Kubota K: 1782
Kucharz E: 905
Kuchel O: 2071
Kucher E: 2072
Kudo M: 2073, 3825
Kudrjavcev T: 2074
Kuehl FA Jr: 391
Kuettner KE: 1594
Kugler P: 2075, 4297
Kuhar MJ: 2076
Kuhlmann U: 4061
Kuhn E: 4060
Kuhn JP: 3756
Kuhnt U: 1886
Kuhrman MS: 3099
Kuitunen P: 4055
Kujala GA: 2077
Kukawski P: 2081
Kukes VG: 2078
Kukino K: 2079
Kuku SF: 2080
Kułakowski A: 2081
Kulesza B: 345
Kulikov MA: 2082
Kulkarni PP: 3512
Kulkarni PS: 316, 2715
Kuma K: 1939
Kumahara Y: 71
Kumamoto Y: 1165
Kumaokas S: 1475
Kumar MS: 3531
Kumari GL: 49
Kumegawa M: 2083
Kummer G: 1041
Kümmerle F: 3000
Kummerow FA: 2084
Kun I: 2085
Kunert-Radek J: 1841, 2945
Kunii S: 2083
Kuniyoshi I: 2092
Kunos G: 3073
Kunovská V: 3321
Künzig HJ: 1798
Kuo IC: 1979
Kupfer D: 491
Küppers H: 2086
Kurachi K: 97, 3964
Kurahashi M: 2087
Kuramoto M: 2828
Kuribara H: 2088
Kurihara N: 2089
Kurihara S: 1678
Kurki P: 1339
Kurko VS: 840
Kurnosov AV: 3127
Kuro R: 71
Kuroda S: 4379
Kurokawa I: 3821
Kuropatwa Z: 1380
Kurosu H: 1155

Kurtz AB: 2473, 2672
Kurtz DT: 2090
Kurtzman NA: 3326
Kurvink K: 2091
Kürzinger K: 1410
Kusumoto S: 2092
Kusunoki T: 3822
Kuten A: 2093
Kuwajima A: 3909
Kuwayama H: 4318
Kuzmanić D: 2435
Kuz'min IN: 2730
Kuz'mina ZV: 2094
Kuznetsov VA: 967
Kvetnansky R: 3325
Kvicala R: 2491
Kwa GH: 2113
Kwan YL: 2997
Kwiatkowska Z: 151
Kyank H: 518
Kyle K: 2155
Kyner JL: 4116
Kyriakides GK: 2095
Kyrychenko AA: 324

L

La Barre J: 3875
Laatikainen T: 2096
Labarca C: 2880, 3791
Labat ML: 1315
LaBella FS: 2097
Laborde K: 3876
Laboucarie J: 3143
Labrie F: 1054, 2098
Laburthe M: 72
Lackey RW: 2099
Lackie JM: 2100
Lackore RC: 708
Lacroix A: 2354
Lacy WW: 3630
Laczi F: 2101
Lad PJ: 2102
Ladaga LE: 3065, 4196
Ladefoged J: 2375
Ladenson JH: 2331
Ladizesky M: 2103
Lafaye A: 2104
Lafaye C: 2105
Laferrière A: 266
Laffargue F: 2106
Laffargue P: 2106
Lafille C: 196
Lafon-Cazal M: 1343
Lagacé L: 2098
Lagowska J: 259
Lagowska Y: 260
Lagrou A: 1532, 4006–4007, 4084
Lahnborg G: 3116
Laitinen LA: 4025
Lajat Y: 829
Lajtha A: 39
Lakher MB: 2273
Lal S: 2107
Lallemant Y: 2108–2109
Lalor JH: 2110
Lamano Carvalho TL: 2111–2112, 2112
Lamberg BA: 1290, 2955
Lamberts SW: 2113
Lamborghini JE: 2114
Lambotte R: 1200
Lambrey G: 1109
Lamers CB: 2115
Lameyer LD: 1793
Lamm ME: 2116
Lammintausta R: 2117–2118
Lampert F: 1729
Lampert K: 2119
Lamprecht SA: 75
Lamy F: 2120
Lanaro AE: 2121
Lancaster C: 2122
Lanclos KD: 4233
Land M: 521
Landau H: 436
Landgraf R: 2123
Landing BH: 2124
Landon E: 4302
Landon EJ: 589
Lands WE: 1497
Landsberg L: 1406
Lane E: 2125
Lang F: 1329
Láng I: 1810–1812
Lange AP: 1048
Langeland N: 982
Langer A: 2126
Langer HJ: 2175
Langer LO Jr: 1297
Langlois Y: 1898
Languillat G: 1005
Languillon J: 2127
Lansac J: 2158
Lanthier A: 2937
Lanthorn T: 1455
Lantos T: 729
Lanz E: 2128
Lanza JP: 1246
Lanza M: 1246
Lanzrein B: 803
Lapko AG: 34
Lapko VN: 34
Laporte A: 3172
Lappöhn RE: 2129
Lapwood KR: 208
Laragh JH: 130, 2130, 2292, 2620, 2742, 3479
Large BT: 4169
Largen M: 1887
Laricheva IP: 1649
Larkins RG: 1526, 2131
Larmande A: 3278
Larmande P: 835
Larner J: 2146, 2852
Larrea F: 2262
Larsen AB: 2132
Larsen B: 1032
Larsen KD: 2133
Larson CH: 178
Larsson C: 2134
Larsson K: 747
Larsson LI: 2135
Larsson S: 2136
Larsson SE: 2137–2138
Lasch HG: 2139
Lasley B: 3185
Lassalle JL: 41
Lassus M: 4049
László FA: 2101
Latteri S: 2887
Lau BM: 1729
Lau IF: 1633
Lau KM: 623
Laube H: 1762
Lauber M: 2140
Lauchlan SC: 3956
Laudat MH: 2318
Laude C: 2652
Lauerman LH: 3930
Laufer J: 639
Laufer N: 3483
Laumas KR: 1848
Launay JM: 2141
Laurent C: 2142
Laurent MF: 2143
Lauressergues H: 3827
Lauret P: 2144
Laustiola K: 4023
Lauter FH: 3311
Lauterbach H: 1522
Law PY: 1566
Lawrence GA: 2145
Lawrence IE Jr: 537
Lawrence JC Jr: 2146
Lawson DE: 3019, 3686
Lawton NF: 2147
Laxova R: 2148
Laycock JF: 2149
Layne DS: 672
Lazăr C: 2150
Lazar G: 21
Lázár P: 704
Lazarev AV: 2151
Lazarowitz V: 659
Le Douarec JC: 1203
Le Gal La Salle G: 260
Le Monies De Sagazan H: 2180
Leach GD: 47
Leach LR: 3401
Leach W: 659
Leaf A: 2359
Leakey JE: 2152
Leatham PA: 887
Leatherman JW: 198
Leavitt L: 2649
Lebl M: 2153
Leblond CP: 2154
Leboutet MJ: 2534
Lebowtiz E: 3669
Lech B: 904
Lechat P: 1099, 3892
Leckie B: 2155
Leckie BJ: 2156
Leclerc JP: 1484
Leclercq-Meyer V: 2157
Lecomte C: 2158
Lecomte P: 2158
Lecornu M: 2159
Leder P: 2160
Lederis K: 2613
Ledig M: 2161
Ledingham JG: 736
Lee CH: 2162, 2913
Lee CY: 623
Lee E: 149
Lee H: 197
Lee HA: 459
Lee JK: 2163
Lee KF: 2164
Lee PA: 2165
Lee RM: 503
Lee SH: 2166
Lee ST: 3606
Lee TP: 2167
Lee YY: 2238
Leenen FH: 2168, 3846
Leer JA Jr: 2169
Lees AJ: 3527
Lees RF: 4248
Lefebvre J: 2257
Lefebvre PJ: 766, 2319
Leffert F: 2170
Legait E: 2171
Legait H: 2171
Legerstee WC: 176
Legrand JC: 135
Legrand JJ: 1787
Legrenzi E: 305–307
Legros F: 412
Legros JJ: 2172
Lehmann H: 2173
Lehoux JG: 3074
Lehtinen M: 1487
Leibowitz SF: 2174
Leicht E: 2175
Leidl W: 3740
Leinikki PO: 456
Leinonen P: 1409
Leipzig B: 2176
Leis D: 2177–2178
Leisti S: 4055
Leithner C: 2179
Lejeune E: 822
Leksell LG: 3310
Lele JV: 4068
Lemaire G: 2180
Lemaire I: 2181
Lemaire S: 2181
Lemm U: 2182
Lemmel EM: 1521, 2044
Lemmo G: 3092
Lemperg RK: 2183
Lenaz G: 2184
Leng G: 673
Lengemann FW: 2185
Lenk S: 3282
Lenkova RI: 1643
Lennon VA: 4208
Lent V: 1494
Lentle BC: 3316
Lenton EA: 3510
Lenzi S: 2278
Leodolter S: 1354–1355
Leomanni R: 3088
Leon M: 2186
Léonardelli J: 2187
Leone L: 2771
Leone R: 2652
Leonetti G: 2188
Leong AS: 2189

Leong JA: 2723
Leonhardt H: 2056
Leövey A: 1809
Lepeuve L: 2538
Lepock JR: 2190
Lepp FH: 2457
Lequien P: 3046
Lequin RM: 159
Lero DS: 1514
LeRoy AF: 1301
Leroy J: 2180
Lesakova TV: 3389
Lesch R: 1491
Lescure H: 274
Leshchinskiĭ LA: 2191
Leslie BA: 3100
Leśnik H: 2192
Lester R: 2193
Leth A: 1646
Letteri JM: 666
Levan G: 2194
Leveille GA: 3947
Levene CI: 2195
Lever AF: 232, 2155
Levin DC: 2070
Levin GM: 2196
Levin J: 4132
Levin ML: 2197
Levin VA: 2198
Levin W: 2199
Levine C: 436
Levine G: 1368
Levine GD: 2200
Levine J: 3996
Levine L: 2825, 3232, 3833
Levine LS: 436, 3152, 4314
Levine R: 1325
Levine RJ: 1406
Levine S: 1505–1506
Levine SN: 2201
Leviton A: 2202
Levitt JD: 3638
Levitt S: 2091
Levitz M: 3129
Levorato D: 2432
Levrat R: 1773
Levy BW: 2203
Levy JA: 2723
Levy JB: 2204
Levy M: 2205, 4121
Levy WB: 4152
Lewandowski LM: 1034
Lewartowski B: 2206
Lewgowd T: 1380
Lewin IG: 2903
Lewiński A: 2207
Lewis LD: 3930
Lewis PE: 2208
Lewis PJ: 2209
Lewis RV: 2210
Lewitus Z: 1336
Lewy JE: 1138, 2211
Leyendecker G: 3470
Leyritz M: 2212
Leysen JE: 4017
L'Héritier A: 3625
L'Heureux PR: 335
Li AP: 2213
Li CH: 37, 1566, 2214–2215, 2258, 2687
Li E: 2216
Liang CS: 3890
Liang CT: 2217
Liao S: 3563
Liapin MN: 3514
Liapina LA: 3519
Licata AA: 2218
Licht P: 2219, 2949
Lichten EM: 2220
Lichtwald K: 2221
Liddle GW: 1346, 2222, 2354
Lieber CS: 1292
Lieberman E: 436, 4148
Lieberman ME: 2223
Liebermann D: 2224
Liebich HM: 2225
Liebmann C: 3242
Liebow AA: 1862
Liedtke MP: 3488–3490
Lief HI: 2976
Liepmann P: 4140
Lieskovsky G: 2226
Liggins GC: 2227
Lijnen P: 1011–1013
Lijnen PJ: 2228
Likhoradova LF: 813–814
Lilienfeld-Toal H: 1879
Liljeqvist L: 963
Lilling MI: 1177
Lim HW: 2229
Lim L: 1396, 2671
Lim TK: 4266
Lim VS: 2230
Limas CJ: 2231
Limberg J: 20
Limbird TJ: 2232
Limon J: 1235
Lin BJ: 3938
Lin JJ: 1113
Lin MT: 2233–2239, 2237
Lin SR: 2164, 2238
Lin T: 2239
Lin YC: 2240
Linazasoro JM: 1517
Linch DC: 2241
Lincoln TM: 1880
Lind B: 3661
Linde A: 2242
Lindeman RD: 1405
Linden RJ: 2243
Linder D: 2932
Linder E: 1339
Linder F: 2244
Lindergård B: 2245, 3886
Lindgren U: 2246
Lindheimer MD: 2779
Lindholm J: 2247–2248, 2248
Lindholm T: 2245, 3886
Lindholm TS: 2249
Lindinbaum A: 315
Lindner HR: 75
Lindqvist M: 540
Lindsay DB: 2985
Lindsay R: 2250
Lindsey GG: 2251
Lindsten T: 1763
Lindvall M: 951
Lindvall O: 977
Lineberry MD: 2252
Linehan WM: 691
Ling N: 1508
Lingwood B: 2253
Link HB: 2254
Linkola J: 2255
Linn JJ: 465
Linnoila RI: 2256
Linquette M: 2257
Lins PE: 953
Linscheid T: 3
Linsell C: 2652
Lintner K: 4063
Liotta AS: 2258
Liotta LA: 4226
Liozon F: 2534
Lipák J: 2259
Lipinski E: 3240
Lipka E: 864
Lipke P: 3421–3422
Lipper S: 2393
Lippert J: 1
Lippiello L: 2260
Lippmann W: 3093–3094
Lipsett MB: 3276
Lipton A: 3367, 3412
Lis M: 721, 2993
Lisá L: 2261
Lisitsa LI: 3305
Lisker R: 2262
Liskova-Kiar M: 2263
Lister J: 3584
Litkowski LJ: 1975
Litorowicz A: 2264
Litskevich LA: 2265
Litten RZ 3d: 2266
Little AB: 2267
Little HK: 2268
Little JM: 457
Little W: 3293
Litvak AS: 2269
Litwin SD: 2270
Liubina NI: 4093
Liukko P: 1342, 2271
Livergant JE: 2272
Livingston A: 1101
Livingston DM: 326
Livio M: 3178–3179
Livshits MA: 2273
Liwska J: 1898
Ljunghall S: 2274
Llamas R: 2275
Llewellyn GC: 2110
Lloret JS: 999
Lloyd EL: 2276
Lobin VN: 303
Lobo J: 115
Locatelli V: 2277
Lock JP: 1743
Lockie C: 1896
Loczka B: 173
Lode H: 1553
Lodi A: 2278
Lodi G: 2279
Lodter JP: 2457
Loening S: 2703
Loesch A: 2280
Loew H: 3356
Loewenstein WR: 2281
Loewit K: 1638, 2282
Loftus MJ: 2283
Loh HH: 1566, 1628
Loh YP: 2284
Lohmeier TE: 2285
Löhrs U: 3751
Loizeau M: 1099
Lokhandwala MF: 2286
Lollini LO: 327
Lomaja LP: 1282
Lomax MA: 163, 2287
Lombeck I: 242
London DR: 1256
London R: 4198
London WT: 894
Londos C: 4277
Lonsdale D: 4319
Looga RIu: 2288
Lopatkin NA: 2289
Lopes RA: 2111–2112, 2112
Lopez GA: 2290
López G. De Viedma A: 3241
Lopez-Novoa JM: 2291
Lopez-Ovejero JA: 2292, 2620
López Santamaría M: 352
Lopitaux R: 3613
Lopkin C: 281
Lorens SA: 3997
Lorentzon R: 2137–2138
Lorenz G: 2293
Lorenz R: 2294–2295
Lornet-Videau C: 3404
Losse H: 3354–3356
Lotshaw RR: 3908
Lotti VJ: 1203, 2296
Lotz W: 2297
Lotzemer-Jentges K: 978
Loubet A: 2534
Loughman WD: 1270
Louis BG: 1146
Loutocký A: 2430
Loveday BJ: 2298
Lovely JR: 2299
Lovenberg W: 2634
Lovrien EW: 2932
Low AW: 2300
Löw M: 2301, 3340
Low PS: 2302
Low TL: 2303, 2446
Lowe EL: 1505
Lowe JR: 887
Lowman JT: 3645
Lown B: 2304
Lowry PJ: 1240
Lowry SL: 239
Lowy MT: 2996
Lozinskaja IN: 2272
Lu AY: 2199
Lubbe WF: 2305
Luben RA: 4112
Lucas JJ: 2306
Lucas PL: 2307
Lucchi A: 2610
Luchitskiĭ EV: 3628

Lučickij EV: 3629
Lucie NP: 3727
Lucier GW: 3066
Ludens JH: 2308
Ludwig H: 3203
Ludwig KS: 2309
Luerssen B: 282
Luff RD: 2750
Luft FC: 1335, 2664
Lugnier C: 2310, 3733
Luksick J: 3240
Lum GM: 4182
Lumb GA: 2419
Luna J: 3307
Lund PK: 1545
Lundbaek K: 1425
Lundberg JM: 3456
Lundberg PO: 2761
Lundell G: 357
Lundin PM: 2311
Lundkvist O: 2312–2313
Lunenfeld B: 3330
Lupi GP: 318–319
Lupton GP: 2314
Lupu LM: 1185
Lüscher EF: 2465
Lüscher M: 803
Lust WD: 783
Lustbader ED: 894
Lustgarten JA: 4198
Lustig L: 2315
Lustyik G: 2316
Lüth JB: 851
Luthra R: 2317
Luton JP: 2318
Lutz-Bucher B: 1980
Luyckx AS: 766, 2319
Lykkegaard S: 3063
Lymangrover J: 2320
Lynch PJ: 2321
Lynch TJ: 4128
Lynderup B: 3921
Lynfield Y: 3274
Lynham JA: 1451
Lynn WS: 3338
Lyons HJ: 2322
Lysz TW: 2323

M

Ma L: 4194
Maas B: 1717
Maatela J: 1290
Mabry CC: 2269
McAdoo M: 2303
McAllister HA: 1672
Macario-Gioia M: 1318
McArthur JW: 1145
McBride RL: 2133
McCaa RE: 2415
McCallion DJ: 112
McCann SM: 2701, 3257, 4069
McCarthy JA: 2324
McCarthy TM: 3106
McCarty R: 2325
Macchia RJ: 2977
McClain CJ: 4021
McClain O: 1708
McClellan GB: 2326
McClelland C: 1084
McClennan BL: 2163
McClure J: 2303
McCook TA: 2327
McCormack JG: 1501
McCoy F: 1508
McCracken A: 2972–2973
McCruden D: 1465
McCue RE: 2328
McCullough B: 3513
MacDessi JJ: 2329
McDonald AC: 4240
McDonald FD: 633
Macdonald GJ: 836, 2330
McDonald IR: 3502
McDonald JK: 3465
McDonald JM: 2331
MacDonald N: 4177
MacDonald PC: 30, 2332, 4286
MacDonnell MF: 2333
McDougal JS: 2334
McDougall JC: 857
McDougall JG: 2335, 4223
McEnery P: 3919
McEntyre JM: 2336
McEwan EH: 2337
McFadyen ML: 2305
Macfarlane JD: 2338–2339
McGaugh JL: 2340
MacGee J: 2516
McGeown MG: 869, 2341
McGiff JC: 158, 2342–2343, 3857
McGinley D: 2531
McGirr D: 1896
McGoodwin EB: 1957
McGrath BP: 2344
McGrath JA: 1274
McGrath JC: 867
McGrath MA: 2345
McGraw RG: 3229
McGregor A: 2360
McGregor AM: 2346
MacGregor GA: 2347
McGrew RN: 4257–4258
McGuire JC: 1324
McGuire LS: 2348
McGuire MB: 3232
McGuire WL: 2349, 4033
McHattie I: 3878
Machay T: 4050
Machida S: 1869
Machin GA: 2350
Macho L: 3752
Macia R: 1774
McIlwain H: 2351
McInnis BC: 118
McIntire KR: 1735, 1737
McIntosh C: 1251
McIntosh CL: 1739
McIntyre DO: 2560
MacIntyre I: 210, 1722
Maciver M: 3501
MacKay A: 2352
McKay DE: 2704
McKean DJ: 2353
McKenna TJ: 2354
McKenzie I: 1636
McKenzie JK: 2355
McKenzie JM: 393
McKenzie MS: 2356
Mackenzie RL: 3926
Mackes KG: 1951
Mackie GG: 4356
McKiernan P: 2357
McKinley D: 2358
McKinley MJ: 3310
McKinstry DN: 481
Macknight AD: 2359
McKusick VA: 3849
McLachlan SM: 2360
MacLennan AH: 2361
McLeod DG: 2362
McLoughlin MG: 4137
McLoughlin MJ: 2363
McMartin C: 269, 1619
McMichael R: 1908
McMillen BA: 2364
McMillen IC: 1752, 2921
McMillin MJ: 4021
McNatty KP: 2365
Macnee CM: 3501
McNeill JH: 2511
McNeill JR: 2897
McNeilly AS: 4251
McNelis B: 2366
McNulty JA: 2367
McPhee ML: 2253
McQueen J: 534, 4216–4217
McRoberts JW: 2269
McSweeney J: 1447
McVie DH: 2368
McWilliams M: 2116
Madalinska M: 904
Madan A: 3957
Madden JD: 4286
Maddison J: 2369
Maddock J: 146, 2370
Maderson PF: 1733
Madhok TC: 2371
Madoiya KK: 49
Mądro A: 2372
Madsen S: 1758, 2373–2375
Maeda H: 2376–2377
Maeda K: 1868
Maeda M: 2378, 2584
Maeda R: 2379
Maeda T: 2380–2381, 2479, 3910
Maekawa A: 1933
Maekawa M: 2479
Maekoshi H: 2818
Maeyama M: 2697
Maggiore A: 3088
Magil A: 874
Magnan J: 443
Magnier S: 1794
Magnin M: 177
Magnusson C: 2382
Magony I: 3192
Maguire HC Jr: 2383
Maguire R: 676
Mahajan VM: 1911
el-Mahgoub S: 2384
Mahnke MW: 1019
Mahoney PG: 1969
Mahoudeau JA: 2318
Mähr G: 2741
Maianskiĭ DN: 1877
Maibach HI: 2385, 2471
Maier BA: 2386
Mailhot J: 580
Maillet M: 2387
Mailman RB: 2388
Main SJ: 2389
Maine D: 2390
Maj J: 2391
Majmudar B: 2392
Majolino I: 2699
Major LF: 181
Major LJ: 2393
Major R: 4214
Májský A: 2394
Majumdar P: 3585
Makar AB: 2599
Makara GB: 2395
Makeen AM: 1722
Maker GE: 3106
Makin HL: 205
Makino E: 2396
Makler PT Jr: 584
Makman MH: 27–28
Maksimenko AN: 2397
Maksimova TV: 2398
Malagon CM: 1516
Malaisse WJ: 405, 2157
Malakhovskiĭ VK: 1909
Malan PG: 845, 2473
Malarkey WB: 1285
Malczewska B: 744
Maldonado J: 3868
Maleeva A: 2399
Malfroy B: 3794
Mali BN: 1197
Malikov VE: 1937
Malins JM: 4133
Malisák Z: 4051
Malkasian GD Jr: 2400
Malkinson AM: 2401
Mal'kovich VK: 4028
Malkus H: 860, 2607
Mall-Haefeli M: 2402
Maller JL: 2403
Mallette LE: 3296
Malling C: 3063
Mallinson CB: 2287
Malluche HH: 2404
Mallya RK: 2405
Malmquist M: 31
Małofiejew M: 2264
Maloney MA: 4357
Malsbury CW: 2406
Malsky ML: 2407
Malthus RS: 1332
Mal'tseva MM: 2707
Malunowicz E: 904
Malven PV: 2408
Malvin RL: 3680
Malyshev VV: 2409
Malysiak M: 2541
Mamakeev MM: 2410
Mambourg RD: 3106

Man in 't Veld AJ: 825
Mancer K: 1574
Manchenko GP: 401
Mancia M: 251
Mancini A: 734–735
Mancini RE: 525
Manciulea S: 1253
Manclark CR: 1525
Manconi R: 734–735
Mandel P: 2161
Mandell LA: 1712
Mandeville R: 1032
Mangeat PH: 2411
Mangiameli S: 2887
Mangioni C: 382, 2420
Mangold HK: 2648
Mani JC: 388
Maniscalco WM: 3258
Mankin HJ: 2260, 2412
Mankura M: 1875
Mann JF: 1258, 2413
Mann NS: 2414
Mann SK: 2414
Mann SP: 1444
Manna B: 777
Mannen T: 1158
Manning FA: 566
Manning M: 514
Manning PA: 670
Manning RD Jr: 2415
Manning RM: 2903
Männistö: 2416
Manny EF: 2417–2418
Manolagas SC: 2419
Manrique Legaz AJ: 853
Manrique Legaz JA: 852
Manston R: 3293
Mantero F: 1022
Mantovani A: 2420
Mäntylä R: 2117
Manuel OK: 180
Manzanilla-Sevilla R: 2421, 4048
Maragno I: 1022
Marat J: 1746
Maraud R: 2422, 3739
Marbach P: 1094
Marcelo CL: 2423
March CM: 2424
Marchalonis JJ: 788
Marchand J: 2157
Marchand JE: 792
Marche P: 2425, 3876
Marchesi D: 3178–3179
Marchesini JB: 715
Marchetti B: 1221
Marchiori PE: 2426
Marchis-Mouren GJ: 2411
Marchlewska-Koj A: 2427
Marcinkowski T: 2436
Marcucci L: 2991
Marcucci M: 2428
Marcus AJ: 446
Marcus F: 3218
Marek J: 2429–2430
Marek K: 1841
Margen S: 53
Margolis MG: 4028
Margreiter R: 2431
Margules DL: 2969
Maria-Tome P: 3359
Mariani G: 320, 2432
Marietta MP: 2433
Marina S: 2570
Marinari KT: 2434
Marinbach AE: 2289
Marinković M: 2435
Marino PA: 3258
Mariss P: 3434
Markandu ND: 2347
Markiewicz C: 2436
Markle HV: 2437
Markov CM: 2438
Markov VV: 3628–3629
Markovaski S: 2440
Markovski N: 2439–2440, 2440
Marks A: 2857
Marks L: 2495
Marley PB: 2441
Marlin AE: 991
Marmont AM: 155
Marossero F: 2442
Marovski S: 834, 2439
Maroy P: 2443
Marriott C: 2449
Marsden CA: 683
Marsden CD: 655
Marsh HO: 1113
Marsh WL: 2444
Marshall A: 2445
Marshall DH: 720
Marshall GD Jr: 2446
Marshall GR: 1296
Marshall LD: 157
Marshall NJ: 757, 1239
Marshall RJ: 1745, 2919
Marshall WH: 1032
Marsk L: 1119
Martens PR: 3773
Mårtensson L: 2447
Martin BR: 2448
Martin D: 1773
Martin FI: 2131
Martin GP: 2449
Martin GR: 1957
Martin H: 2063
Martin JB: 2450
Martin L: 1071
Martin LW: 3272
Martin M: 2109
Martin MA: 2451
Martin ND: 2452
Martin R: 2063, 4164
Martin RB: 2453
Martin RJ: 2854
Martin Rodriguez M: 2454
Martinenghi C: 682
Martínez A: 1223
Martinez F: 296
Martinez JL: 2340
Martínez-Alcalá F: 2421
Martínez-Maldonado M: 536
Martinez-Sierra R: 2455
Martini L: 403
Martiniuk F: 212
Martorelli B: 3902
Martz BL: 2456
Martz G: 2771
Mascres C: 2457
Maselli G: 702
Mashiach S: 3330
Mashiba H: 3543
Mashiter K: 219, 2458
Masi AT: 2459
Masin G: 3036
Maslinski C: 323
Mason GR: 3599
Mason JI: 2460
Mason M: 211
Mason ST: 2461
Massari VJ: 2462
Massaro AR: 2463
Massarotti M: 2775
Massey DE: 3647
Massey LK: 2464
Massini P: 2465
Massler M: 2466
Mast GJ: 851
Masters CJ: 453
Mastroiacovo PP: 751
Masturzo P: 206–207
Masuhara K: 1586
Masuyama Y: 2467
Matagni MF: 1332
Matei I: 890
Matějková J: 3321
Materazzi F: 650
Maternowska W: 2468
Matevosian EG: 2469
Mather EC: 1771
Matheus M: 2470
Mathias CG: 2471
Mathiesen PM: 4242
Mathieson BJ: 2472
Mathieu-Daudé JC: 907
Mathur H: 2473
Mathur RS: 3523
Matić G: 3597
Matilla F: 2778
Matković V: 2474
Mato JM: 2475
Matoška J: 3611
Matre R: 2
Matschinsky FM: 4365
Matsuda M: 1677, 1816
Matsuda S: 3965
Matsuda T: 149, 2476
Matsui K: 1926, 3669
Matsui T: 3069
Matsui Y: 3836
Matsuki A: 3825
Matsukura S: 1939, 2477, 2696
Matsumoto J: 1820–1821
Matsumoto K: 2621
Matsumoto T: 1921, 2478
Matsumura H: 748
Matsumura S: 3975
Matsumura T: 2479
Matsunaga K: 3965
Matsunaga M: 1429
Matsuno T: 2808
Matsuo T: 1983
Matsuoka M: 1977
Matsushima S: 2480
Matsushima Y: 2396
Matsushita K: 2690
Matsuura H: 2481
Mattamal GJ: 2575
Mattar E: 3351, 3902
Matthews EK: 2320
Matthews JI: 2482
Matthews JL: 495
Matthews PG: 836, 2344
Mattson K: 4025
Matty AJ: 4359
Máttyus A: 2483
Matyushkin DP: 2484
Matz DR: 2485
Mauco G: 2611
Maudlin I: 2486
Mauer AM: 1216
Maugeri S: 1221
Mauldin LB: 2591
Maull KI: 2487
Maung SL: 2488
Maurer R: 2489
Maurer RA: 2223, 2353
Mäurer W: 2490
Maurice P: 2771
Mautalén CA: 2103, 2491
Mawer EB: 3842
Mawhinney MG: 3228–3229
Max SR: 2492
Maxild J: 2493
Maximilian C: 1665
Maxl F: 2494
Maxwell A: 1422
Maxwell MH: 2495
Maydom BW: 2344
Mayer M: 1707
Mayer RJ: 2496
Mayes LC: 939
Maynard PV: 2497, 2745
Mayr G: 3751
Mayr M: 321
Mazchenko NS: 2498
Mazlen RG: 3959
Mazor Z: 1544
Mazumdar S: 3070
Mazur MT: 1861
Mazur Y: 948, 3540
Mazurin AV: 4387
Mazurkiewicz I: 2436
Mazurkiewicz-Kwilecki IM: 2499
Mazzacca G: 2791
Mazzanti L: 2184
Mazzarino C: 2527
Mazzei D: 319
Mazzini G: 294
Mazzoni AN: 1223
Mazzor M: 3407
Mazzuoli GF: 2500
Meade TW: 3509
Means AR: 572, 3832
Meares RA: 1139
Méary R: 2501
Mecca G: 3178–3179
Mechl Z: 2502
Meckelnburg RL: 3335
Medansky RS: 2503
Medberry C: 374

Medén-Britth G: 3116
Medica PA: 2949
Medina D: 2504
Medina JM: 2262
Meeker CI: 2505
Meersman G: 2609
Meert B: 592
Mehandru SK: 3051
Mehendale VG: 818
Mehnert J: 3445
Mehrotra RM: 2506
Mehta AD: 2507
Mehta K: 3523
Mehta L: 565
Mehta LN: 3982
Mehtaji S: 1197
Meier W: 4103
Meier-Ruge W: 414
Meijer JC: 2508
Meinardus A: 3751
Meinhof W: 2509
Meire HB: 2510
Meirelles RS: 3577
Meiri H: 3123
Meisheri KD: 2511
Meissl H: 878, 2512
Meissner G: 2201, 2358
Meister K: 2268
Meister P: 1729
Meixner M: 2741
Meizel S: 695
Melander A: 2890
Melby JC: 617
Melchert F: 2044
Melcon D: 4193
Meldrum DR: 2513
Melendez MT: 2925
Melez KA: 2514
Melhem R: 1124
Meligeni JA: 2340
Mellan J: 3114
Mellersh H: 1481
Mellgren SI: 2515
Mellies MJ: 2516
Mello ML: 2517
Mello NK: 2518
Mellon PJ: 3926
Melman A: 899
Melnyk V: 1554
Melnykovych G: 555, 1770
Melsen F: 626
Melville-Jones C: 1503
Menaker M: 1847
Menard J: 1003
Menard RH: 2519
Mendel CM: 2520
Mendel D: 2521
Mendelsohn G: 2522
Mendelson JH: 2518
Mendoza SP: 1505
Mennear JH: 4295
Menon M: 4137
Mensch JS: 2523
Mentz P: 350, 1105, 3187-3188
Menzel B: 3121
Meola G: 523
Merceron RE: 292
Merchant CR: 2532
Mereto GC: 2524-2525
Mergenhagen SE: 2837, 3361, 4115
Merino J: 1189
Merlini S: 2526
Merzig EG: 3320
Meshcherskii RM: 2082
Messina A: 2527
Messina L: 2527
Mest HJ: 2528
Mester L: 2141
Mestwerdt W: 2529
Metcalf G: 701
Metcalfe J: 782
Metges PJ: 884
Metsä-Ketelä T: 4023, 4325
Metz B: 217
Meucci T: 734-735
Meunier JC: 766
Meurer KA: 1494
Meyer AC: 3866
Meyer E: 2530
Meyer ER: 636
Meyer M: 384
Meyer ME: 1455
Meyer P: 836, 1116
Meyer R: 2531, 4181
Meyer RA: 1832
Meyer-Sabellek WA: 2404
Meyers CA: 1851
Meyers S: 3797
Meyers WC: 136
Mezey E: 2532
Mgaloblishvili MM: 2007
Miachon S: 2533
Mialhe C: 1980
Miarczyńska B: 3829
Michael RP: 395, 1386
Michaelson SM: 1365
Michalska Z: 1843
Michel JP: 2534
Micheli H: 3042
Michell AR: 2535
Michelon B: 586
Michlmayr G: 4
Mićić JV: 3597
Mićić MD: 2536
Mićić SR: 2536
Mick R: 1226
Mickey MR: 2964
Miclo A: 2537
Micouin C: 2538
Middleton WR: 184
Miechi HR: 156
Miehlnickel N: 2119
Mielens ZE: 2539
Mielke B: 4177
Mielke U: 2540
Mieno M: 4311
Miers C: 723
Mierzwiński R: 2541
Miettinen A: 1290, 1339
Miettinen TA: 2542
Miglécz E: 3799
Mignot B: 681
Migunov VN: 2543
Mikawa T: 2660
Mikhailik TA: 2544
Mikhailov IuM: 2545-2546
Mikhalenko IN: 2868
Mikhaleva NP: 92
Miki T: 3836
Mikulski T: 2547
Milad M: 2548
Milcu SM: 2549
Miles P: 2550
Milesi GM: 3248
Miletić V: 1748
Milhaud G: 1315, 2551
Milholland RJ: 1666
Milla A: 999
Millán Núñez-Cortes J: 3298
Millares Cao CM: 258
Millbern SM: 2552
Miller A: 2553
Miller CJ: 2554
Miller D: 2555
Miller F: 2556
Miller J: 2095
Miller JM: 2132, 2557
Miller JM Jr: 2558
Miller JN: 1046
Miller ML: 2559
Miller OV: 1299
Miller PD: 2560
Miller RB: 2354
Miller RD: 2561
Miller RJ: 575, 2256, 2562
Miller RW: 2563
Miller TA: 2564
Miller WH: 2747
Miller WR: 2976
Milliez P: 3870
Milligan MP: 2565
Millonig G: 2566
Mills BG: 3601
Mills T: 117
Miln DC: 3743
Milne FJ: 1561
Milne LJ: 2368
Milner J: 42
Milner JS: 2567
Milner PM: 266, 2568
Milovanov S: 856
Mims RB: 2569
Minardi J: 534, 1931, 4217
Minaříková E: 2956
Minckler DS: 50
Minne H: 3151
Miranda S: 3814
Miravet L: 3109, 3162
Mirkin A: 156
Mirkin BL: 3607
Mirmakhmudova SI: 3350, 3949
Miró R: 2570
Mirocha CJ: 1657
Miron T: 4086
Miroshnikova AF: 483
Mirzoian SA: 402
Mišák J: 1391
Misbin RI: 2571
Mishell DR Jr: 2424
Mishina N: 2572
Mishkin M: 3951
Mishra R: 2573
Mishra RK: 612
Mišinger I: 3678
Misiorowski RL: 2574
Misra BD: 3585
Misra DN: 2575
Misra PK: 2576
Misumi J: 1995
Mitani F: 2577
Mitchell MD: 2578
Mitchell MI: 4280
Mitelman F: 2194
Mitin KS: 4070
Mitra S: 2579
Mitrakul C: 1167
Mitranond V: 2580, 3654
Mitsuda H: 1698
Mitsuma T: 2686
Mitzkat HJ: 2581
Miura T: 1948, 2088
Miura Y: 1978
Miyahara M: 3547
Miyai K: 71, 3964
Miyaji M: 1700
Miyake H: 3343
Miyake K: 2582
Miyamoto J: 2583
Miyamoto M: 4309
Miyamoto Y: 2584
Miyata K: 749
Miyata T: 4142-4143
Miyazaki H: 1450, 2585-2586
Mizoguchi H: 1782
Mizui T: 2476
Mizuno K: 2829
Mizutani A: 2587
Mjör IA: 1457
Mlczoch J: 2588
Mochel D: 1891
Mochizuki M: 2589
Modder B: 2590
Mödder G: 1717
Moedjono S: 2591
Moel D: 3919
Moeller H: 3136
Moerman E: 1011
Moerman EJ: 2228
Moerman P: 1152
Moeschlin S: 2592
Moffitt RM: 464
Mogenson GJ: 416, 3003
Mohan H: 2057
Mohan PS: 2593
Möhlen K: 2594
Möhlen KH: 2595
Mohr G: 2596
Möhring J: 2597-2598
Mohsen A: 2599
Mohsin S: 3957
Molchanova LV: 4092
Molchanova GIa: 3979
Moldofsky H: 1126
Molea N: 320
Molin L: 2600
Møller M: 2601
Møller SE: 2602
Mollett TA: 2408
Molodyk AA: 2094
Molony DA: 1141

Moltz H: 2434, 3291
Mombelli L: 682
Monaco F: 3141
Moncada S: 411, 933, 2003, 2603–2604, 4221–4222
Monet JD: 2605
Monguió F: 2967
Monif GR: 2606
Monji N: 860, 2607
Monsalve A: 802
Monson JM: 2608
Montagne B: 2609
Montagne JP: 2012
Montanelli C: 2610
Montastruc JL: 3143
Montastruc P: 2611
Montgomery DA: 1893
Monti D: 2278
Moo HF: 1510
Moody T: 1754
Moody TE: 2612
Moon JB: 50
Moore DM: 2565
Moore GJ: 2613
Moore JW: 490
Moore KE: 3973
Moore RA: 2614
Moore RJ: 1705
Moore RY: 2636
Moore TJ: 2615
Morack G: 2770
Morales JM: 2966
Morales López A: 2616
Moran EM: 2710
Morand-Fehr P: 608
Morano E: 2566
Morava E: 2483
Moreira-Filho CA: 2617
Moreiras-Varela O: 2618
Morel N: 1265
Morel P: 639
Moreno H: 1031
Morgan EJ: 2619
Morgan HE: 4151
Morgan TE: 1861
Morgano LE: 3744
Morganti A: 2620
Morgenfeld M: 2668
Morgenfeld MC: 525
Morgenstern J: 859
Morhenn VB: 1884
Mori H: 1677, 2621
Mori S: 3975–3976, 3976
Mori Y: 3836
Morikawa Y: 2622, 2821
Morillo E: 2623
Morimoto K: 1429
Morin P: 2624
Morioka T: 2585–2586
Morisaki M: 927
Morisawa Y: 2480
Morishima I: 2625
Morishita Y: 1983
Morita A: 1158
Morita N: 2626
Morita Y: 2627
Moriyama Y: 3821
Moroji T: 2628
Moroni F: 2629–2630
Moroz AM: 1940
Moroz BB: 2631
Moroz J: 376
Morozov PV: 2011
Morozova LG: 1687
Morreale de Escobar G: 3308
Morrill GA: 354
Morris DH: 610
Morris DV: 2672
Morris HP: 3526
Morris LA: 2632
Morris LL: 129
Morris ME: 2633
Morrissey JJ: 2634
Morse SA: 2561
Mortara RH: 3887
Morton JJ: 232, 1122, 2155
Moruzgala T: 1814
Moscona R: 1544
Moser BD: 417–418
Moses AM: 2789
Moses RA: 2635
Moses S: 436
Mosko S: 2636
Moskowitz JP: 162
Mosley EL: 2637
Moss AA: 2012
Moss GE: 2234
Mossetti C: 2638
Motegi I: 1855
Motomatu K: 16
Motomura S: 462
Motoyama A: 1855
Motoyama T: 3818
Motti DF: 2442
Moukhtar MS: 2551
Moulies D: 41
Mounier F: 3404
Mount CD: 298
Mouret J: 712
Mouri T: 1415
Mouridsen H: 2639
Moustafa E: 4259
Mouw DR: 2640
Moyano MB: 2196
Moyer TP: 2641
Moynihan JA: 1554
Mozes MF: 2642
Mozhaev GA: 2643
Mroczkowski E: 2644
Muccitelli RM: 491
Muchmore AV: 1089
Mück-Seler D: 2645
Mueller RA: 1568, 2388, 4085
Mugridge KG: 4221
Mühlen-Hoffmeister E: 4099
Mühlenstedt D: 2646
Mukherjee C: 2647
Mukherjee KD: 2648
Mukhopadhyay AK: 2649
Mulcahy MT: 2650
Mulder AW: 1065
Mulder DS: 1767
Mulder E: 2651
Mulder GH: 2508
Mulgaonkar V: 314
Mullagalieva NM: 3949
Mullan NA: 2739
Mullane KM: 933
Mullarkey MF: 4161
Mullen PE: 2652
Müller B: 1499
Muller CA: 2305
Müller E: 4181
Müller EE: 2277
Müller G: 2792
Müller J: 1521
Muller JY: 2653
Müller O: 2529
Müller U: 2654–2655, 4369
Müller W: 1504
Müller WF: 2656
Müllerleile U: 3742
Mulner O: 2657
Multamäki S: 3780
Mundinger GH Jr: 1095
Mundy GR: 931, 2658–2659
Munemitsu H: 4310
Muneoka Y: 2660
Munhoz JB: 3696
Munkeby I: 1254
Muñoz Gómez J: 4048
Munro DS: 1434
Munro IR: 2596
Munro S: 2895
Munshi SR: 3985
Münster W: 3762
Müntzing J: 2661
Murakami A: 2572
Murakami H: 2662, 3549
Murakami K: 2626
Murakami T: 3962
Muramatsu M: 3342
Murata T: 1820–1821
Muratore R: 3865
Murav'eva NI: 2094
Murdock MG: 590
Murialdo G: 206–207
Murphy DL: 2393
Murphy GP: 1845
Murray B: 2663
Murray BA: 275
Murray JA: 3068
Murray JC: 1957
Murray RH: 2664
Murray TM: 2665
Murthy MH: 2666
Murthy SK: 1184
Musa BE: 2667
Muschel RJ: 3264
Musso AM: 2668
Mustaffa BE: 2672
Mustafin DG: 2669
Mutchinick O: 2262
Muthu J: 66
Muto Y: 1655
Mützel W: 2670
Myatt L: 2671
Myers A: 3796
Myers JH: 3642
Myers MR: 824
Myers WA: 1482
Myshinskaia LP: 2008
Myslitskil VF: 1185
Mysliwiec M: 3179

N

Nabarro JD: 2672
Naber NG: 380
Nadig J: 2673
Nadjafi-Triebsch C: 2674
Naeye RL: 2675
Naftolin FI: 2737
Nagai H: 1429, 3804
Nagai T: 2689
Nagai Y: 1601, 2823
Nagamori H: 2676
Nagano M: 2092
Naganuma M: 2677
Nagaoka A: 2678, 3542
Nagaraj R: 2679
Nagata N: 1799
Nagatomo K: 16
Nagayama Y: 2680
Nagel GA: 2681
Nagel-Studer E: 2681
Nagy E: 2101
Nagy I: 1596
Nagy J: 2682
Nagy KA: 2949
Nagy SU: 729–730
Nahir M: 2683
Nahorski SR: 1609
Nahoum CR: 2684
Naik RB: 2685
Nainis IV: 3297
Nair NP: 2107
Najarian JS: 2642
Nakagawa H: 2686
Nakagawa T: 1934
Nakahara T: 1921
Nakai K: 1855
Nakai Y: 2687
Nakajima K: 1948
Nakajima S: 3784
Nakajima T: 1157, 2688–2689, 4326
Nakamura H: 2690
Nakamura M: 2691–2692, 4331
Nakamura R: 1995, 3339
Nakamura T: 2587
Nakamura Y: 620
Nakane T: 2693
Nakanishi S: 2694
Nakanishi T: 2092
Nakano R: 2695
Nakano Y: 4310
Nakao K: 2687, 3822
Nakao Y: 1939, 2696
Nakashikiryo K: 1934
Nakashima I: 4327
Nakatuka H: 1026
Nakayama M: 2697, 3911
Nakazato Y: 1684
Nakhasi HL: 3102
Nalbandian RM: 2698
Nalli G: 2699
Namba Y: 1747
Nambara T: 2790
Namboodiri MA: 2700
Nance DM: 3567, 4340–4341

Nandi S: 3344
Naor Z: 2701
Naquet R: 260
Narahara K: 2702
Naranjo R: 111
Naranjo Sintes R: 791
Narayana AS: 2703
Narayana K: 866
Narayanan N: 3770
Narbaitz R: 2704
Narita S: 1916
Nartsissov RP: 2705
Naruse S: 2706
Nashikkar AB: 621
Nasjleti CE: 2026
Nasrallah HA: 3061
Nataf C: 292
Natalevich ES: 2707
Natarajan AT: 3995
Natarajan PS: 3119
Nathan A: 757
Nathan AW: 2708
Nathan DG: 531
Nathanielsz PW: 2709
Nathwani BN: 2710
Natrajan P: 3960
Nattero G: 2711
Nau HE: 2712
Navarro C: 348
Nawata Y: 4305
Nayfeh SN: 3066
Nayler WG: 3771
Naylor KE: 1780
Naylor PH: 2303
Naylor RJ: 701
Neal BJ: 2560
Neaves WB: 1804
Nechaeva ID: 2713–2714
Necić S: 1772
Nedergaard OA: 3450
Nedvidková J: 1051
Needleman P: 2715, 3616
Neer R: 2716
Négrel R: 2717
Nékám K: 1810–1811
Neki M: 2092
Nekrasova IV: 1998–1999
Neldner KH: 2718
Nelken D: 436
Nellans HN: 2719
Nelson AM: 2720
Nelson DF: 2721
Nelson DL: 2722
Nelson J: 2723
Nelson JF: 2724
Nelson MM: 653
Nelson PJ: 3303–3304, 3304
Nelson RM: 2725
Nelson W: 2471
Němec J: 2394
Nemecek GM: 2726
Nemes A: 3671
Németh S: 2727
Nemoto K: 2728
Nesbit ME: 1224
Nesheim BI: 2729
Nesterov LN: 2730
Neto GA: 2731
Neto JB: 2732
Nett TM: 524
Netto Júnior NR: 2733
Neubauer M: 58, 1427
Neufeld AH: 2734
Neuhausen P: 1091
Neuhoff S: 1177
Neumann F: 2735
Neumann G: 1499
Neumann-Haefelin D: 3779
Neville AM: 689
Neville BG: 581
Neville ED: 1049
Nevin NC: 2341
Nevo S: 651
Nevoral V: 3332
New MI: 436, 3152, 4314
Newcomb R: 2736
Newman B: 3034
Newmark MZ: 3075
Newmark SR: 2737
Newsholme EA: 101
Newsome AL: 2738
Newsome PM: 2739
Newsome WH: 2740
Neyer U: 2741
Ng YH: 4194
Niarchos AP: 2742
Nice EC: 2743
Nicholes BK: 2030
Nicholls AC: 3050
Nicholls DG: 2744
Nichols DE: 2996
Nicholson RI: 2745
Nicholson WE: 298, 2354
Nickelsen T: 2746
Nicol GD: 2747
Nicolaides NJ: 2748
Nicolaidis S: 759
Nicolaou KC: 1357
Nicoletti B: 2991
Nicoll RA: 2749
Nicosia S: 399
Niculescu D: 2150
Niebyl JR: 2750
Nielsen AH: 3063
Nielsen HE: 2751, 2839
Nielsen J: 3676
Nielsen MD: 1645–1646, 1837
Nielsen R: 2752
Nielsen SP: 1
Nieminen U: 2096
Niermann H: 2025
Nies AS: 1219–1220
Nieschlag E: 2753, 3720
Niesink RJ: 4018
Niewiadomski M: 2754
Nikezić M: 1772
Nikiforuk G: 2755
Nikitin AI: 458
Nikitina GV: 2756
Nikkanen V: 2757, 3780
Nikolaeva IS: 2758
Nikoliš J: 2759
Nikonenko EM: 3747
Nilius B: 2760
Nillius SJ: 287, 2761
Nilson JH: 2762
Nilsson G: 2763
Nilsson K: 1, 3594–3595
Nilsson O: 2313
Nimmo HG: 2764
Nimrod A: 75
Nini G: 2765
Ninomiya M: 1983
Ninteman FW: 3056
Nir I: 2766
Nirenberg P: 1664
Nisce LZ: 3518
Nishida M: 2380
Nishihara H: 1585
Nishikaze O: 1313
Nishimoto K: 1992
Nishimoto SK: 2767
Nishimura C: 2768
Nishimura H: 2769
Nisizawa K: 2818
Nissen E: 2770
Nissen NI: 2771
Nissenson RA: 2772
Nitchuk WM: 3513
Nitsovych RM: 404
Nitzan M: 629, 1588
Nitzschner H: 2773–2774
Niv Y: 3864
Nizzo MC: 207, 2775
Nobile P: 428
Noble EP: 516
Noblet J: 654
Noda K: 4335
Noden PA: 2776
Noël B: 2777
Noel EP: 1032
Noff D: 3540
Nogales FF Jr: 2778
Nogales-Ortiz F: 2778
Noi K: 2092
Noirot C: 803
Nolan G: 875
Noland V: 2996
Nollen PM: 1991
Nolten WE: 2779
Nolting S: 2780
Nonneman AJ: 1989
Noonan JA: 2781
Noonan JJ: 2782
Noordegraaf EM: 176
Nordenskjöld B: 3867
Nordhus G: 963
Nordin BE: 720, 2474
Norenberg MD: 3209
Norgren R: 2783
Nori D: 3518
Norimatsu H: 3815–3816, 3816
Norimatsu I: 2582
Norlén K: 2784
Norris HJ: 1826
Nortes Cano L: 1376
Nothjunge J: 3136
Nouvel C: 2785
Novak E: 3791
Novák P: 4104
Nováková J: 3749
Novikov EA: 1024
Novoderzhkina IS: 4092
Novogrodsky A: 2786
Nowak G: 3089
Nowak M: 4173
Nowakowski H: 3108
Nowochatzki AJ: 3031
Noya E: 394
Nozawa S: 1678
Nozawa Y: 3493
Nozue T: 2787
Nugteren DH: 2788, 4010
Numa S: 2694
Numann PJ: 2789
Numazawa M: 2790
Nunberg J: 2694
Nunziata V: 2791
Nürnberger F: 2792
Nusynowitz ML: 777
Nuti R: 2793
Nuttall FQ: 2095
Nutto D: 2855
Nydegger H: 2794
Nye JS: 699
Nyulassy S: 2795

O

Oakberg EF: 1617–1618
Oakey RE: 471
Oates JA: 2796
Oats JJ: 2797
Obara K: 3385
Oberfield SE: 4314
Oberhausen E: 1459
Oberleithner H: 1329
Oberley LW: 3726
Obinata A: 980
Oboussier H: 2171
Obrecht JP: 4167
Obrez I: 2070
O'Brien CP: 2976
O'Brien PM: 2798
Obrink A: 2799
Obrocki J: 1791
Obtulowicz K: 2800
O'Byrne E: 3465
Ocaña J: 791
Occhipinti M: 2801
Ochs S: 52
O'Connor JD: 574, 803, 2443
Odake G: 2706
Odell WD: 2936
Odero A: 3473
Odink J: 2802
Odinokova VA: 863
O'Donnell A: 4089
O'Donnell MC: 2803
O'Donohue TL: 725, 1706
O'Donovan DK: 2357
Oehmichen M: 4230
Oeken FW: 2804
Oeltmann TN: 2805–2806
O'Farrell MK: 2807
Offenstadt G: 681
Offermann G: 3398
Offord KP: 1785
Oganisyan AL: 39

Ogasawara M: 1934
Ogawa K: 2808
Ogawa M: 2809–2810
Ogawa S: 1948
Ogawa Y: 2811
Ogez J: 2812
Ogg CS: 530, 4150
Ogino K: 1429, 2813
Ogino T: 1855
Ogle CW: 615
Ogra PL: 2814
Ogra SS: 2814
Ogura Y: 1870
Oguri M: 2809
Oguro C: 3962
Ogurtsov RP: 2815
Oh TE: 2816
Ohanian SH: 2817, 3413
Ohara K: 2818
O'Hare MJ: 2743
Ohashi H: 3541
Ohata M: 1992
Ohayon R: 2944
Ohba Y: 2587
Ohga A: 1684
Ohgo S: 1939
Ohgushi N: 2477
Ohkawa T: 2819
Ohl S: 2820
Ohmori F: 3803
Ohmori K: 1816
Ohnishi Y: 2728
Ohno H: 2821
Ohno M: 2380
Ohno S: 2822–2823
Ohono Y: 3818
Ohtahara S: 1026
Ohtsuki K: 2824
Ohuchi K: 2825
Oigaard A: 3176
Oikarinen A: 2886
Oishi T: 2826
Okada H: 3818
Okada K: 1992
Okada T: 3541
Okada Y: 2827
Okagaki T: 3814
Okamoto K: 2585–2586, 2626, 4337
Okamoto S: 2379
Okamura K: 2828
Okamura Y: 3543
Okano T: 2829
Oki S: 2687
Okita N: 1158
Okuda H: 1586
Okumura H: 1678
Okuyama A: 2830
Olbert F: 4390
Olbricht T: 2831
Oldham JD: 475
Oldham S: 1774
Oldham SB: 4203
Olgaard K: 2374–2375, 2832
Olischläger A: 4260
Oliva A: 156
Oliver DO: 736
Oliver J: 2833
Oliver MF: 2834
Olivier A: 138
Oliw E: 2835
Olley PM: 1610
O'Loughlin S: 2836
Olsen CE: 2837, 4115
Olsen I: 2838
Olsen KJ: 2839
Ol'shanskiĭ VO: 813–814
Olson DL: 4148
Olson GA: 2840
Olson JA: 2841
Olson JL: 2522
Olson MS: 2317
Olson RD: 2840
Olsson KS: 431
Olszewski E: 2800
Olwin JH: 3600
Omae T: 2844
O'Malley BC: 1029
O'Malley BW: 572
Omar MA: 974
Omar ME: 2599
O'Mara RE: 2721
Omel'chenko LI: 2843
O'Moore RR: 1447
O'Mullane NM: 3234
O'Neal BL: 198
O'Neill BJ: 3388
O'Neill GJ: 4314
O'Neill HJ: 3600
Ong DE: 634
Ono M: 2572
Ono T: 2477
Ono Y: 1799
Onoyama K: 2844
Onozuka M: 3767
Oparil S: 2779
Opie LH: 2305
Opitz JM: 1518, 2845, 2888, 3694
Oprescu M: 754
Orbetzova V: 1559, 3672
Ordas J: 646, 2846
Ordyniec J: 2847
Orecchia G: 806
Orenstein H: 3144
Orestenko IuN: 2848
Orgiazzi J: 4013
O'Riordan JL: 2903
O'Riordan LH: 1902
Orito T: 2818
Orlandini GE: 2849
Orloff J: 2850
Orlov SN: 2851, 3060
Orlova NV: 372
Orlova TsR: 3524
Orlowa EW: 3031
Ormai S: 1061
Orme MC: 3501
Oron Y: 2852
Orr JW Jr: 2853
Orr MW: 410
Orr WC: 2854
Ortega E: 3307
Orth DN: 298
Ortmann R: 2855
Ortonne JP: 885
Ortuno de Solo MB: 853
Osamura RY: 2856
Osborne AH: 2857
Osborne HG: 599
Osborne JW: 3726
Oscar P: 1527
Osegawa M: 2396
Oseko F: 1869
O'Shea R: 1107
Oshima I: 1677
Oshima M: 2818
Oshimura M: 1782
Oski FA: 2176
Osler M: 2858
Osmers F: 2646
Osmetti G: 3091
Osorio C: 15, 3307
Osserman EF: 3175
Osterburg HH: 1829
Ostergaard Kristensen HP: 2016
Osterland CK: 393
Ostler HB: 2471
Ostman J: 113
Ostrowski MC: 2859
O'Sullivan EF: 3022
Osztovics M: 1942
Ota K: 1926
Ota M: 3385
Otenko NP: 840
Otero RB: 2860
Otieno S: 2861
Otsuka Y: 7
Otsuki S: 3384
Ott J: 2862
Otten U: 3246
Ottersen OP: 260
Otto K: 1650
Otto-Buczkowska E: 2863
Ouředník A: 2864
Outeiriño J: 3359
Ovcharov R: 190
Overall JC Jr: 3415
Overlack A: 3470
Overpeck JG: 2865
Overweg NI: 3411
Owaribe K: 1304
Owen ME: 3928
Owen-Jones S: 3004
Owens DW: 2866
Owens JR: 2867
Owman C: 1417
Oxender WD: 2776
Oxenkrug GF: 2868
Oyama T: 3825
Oyamada H: 2869
Ozaki M: 2810
Ozaki N: 2870
Ozawa H: 2871
Ozawa T: 2582
Ozkan G: 1453
Ozon R: 2657
Ozuch B: 2872

P

Paavolainen P: 2873–2878, 2876
Pachauri S: 314
Pachman A: 2877
Pacini P: 2849
Pack AR: 2878
Pack HM: 1498
Pacovský V: 2430
Padonou J: 2180
Page R: 4184
Page RL: 782
Pagnan A: 2879
Pagni R: 523
Paigen K: 2880, 3791, 3800, 4153
Pain RW: 2881
Painter RB: 1836
Paisey R: 2882
Pajak TF: 2771
Pajević M: 1748
Pajor WJ: 2883
Pak CH: 1429
Pal S: 108
Palacin A: 999
Palacios JM: 585, 2884
Palacios S: 549
Paladini AC: 387, 1031
Palánkai G: 2885
Palatsi R: 2886
Palazzoadriano M: 2887
Palekar A: 1607
Palestini N: 8
Pałetko Z: 1728
Palider W: 2391
Palkovits M: 67–68, 2395, 4354
Palladino VC: 45
Pallister PD: 2888
Pallotta J: 3685
Pallotti S: 2889
Palmblad J: 2890
Palmer CG: 899
Palmer DG: 1332
Palmer MF: 2891
Palmtag H: 2892
Palo-oja T: 4023
Palombi M: 4074
Palombo C: 1231
Palshof T: 2639
Pal'tsev MA: 3504
Pamfamirov IuK: 2893
Pamnani MB: 2894
Panaeva SV: 1999
Panaretto BA: 2895
Panchenko VM: 2896
Pandeya SN: 3070, 3604
Pang CC: 2897
Pang PK: 2898–2899, 3658
Pang RK: 2899
Pangalis GA: 2710
Paniagua G: 3359
Panizza P: 2699
Panjabi J: 3365
Pankratz E: 2900
Pannuti F: 2901
Pansare MS: 3982
Pant HC: 2902
Paolucci D: 2889
Papapoulos SE: 2903
Pape K: 2904
Papkoff H: 1228, 2905
Parantainen J: 4023
Pardini A: 2906, 3009

Parenti-Castelli G: 2184
Parish DC: 2907
Parish RW: 2908
Park BK: 2909
Park CR: 3013
Park DH: 1760
Park EH: 2910
Park IJ: 1777
Parke W: 2164
Parker A: 146
Parker JC Jr: 2860
Parker MG: 1529
Parker RD: 2911–2912, 2912
Parker RJ: 2913
Parker RO: 1901
Parker RP: 4162
Parker RT: 717
Parkinson IS: 2914–2915
Parkison G: 2635
Parks DE: 2916
Parks LW: 408, 2917
Parmar SS: 23
Paroli M: 255
Parra A: 3053
Parra-Covarrubias A: 2918
Parratt JR: 2919
Parrini D: 1215
Parris TM: 2920
Parry DM: 2921
Parschalk O: 1355
Parsons JA: 568
Parsons S: 1077
Partlow LM: 1424
Pašanku T: 2922
Pascal JP: 640
Paschen W: 2923
Pascher F: 2924
Pascual JF: 2925
Pasqualin R: 1897
Pasqualini RQ: 2926
Pasricha A: 2927
Passonneau JV: 783
Paszko Z: 2928
Pataki A: 2929
Patel JA: 3606
Patel KL: 3512
Paterson AT: 2930
Paterson CA: 2931
Paterson DC: 129
Paterson E: 2931
Paterson JF: 178
Paterson JW: 2816
Pathier D: 1014
Patil SR: 2932
Patil TN: 2933
Patnaik SK: 2934
Patoir A: 3087
Paton S: 736
Paton WD: 761
Patra PB: 573, 3370–3371
Patrick J: 2935
Patritti-Laborde N: 2936
Patscheke H: 2923
Patt HM: 4357
Patten BM: 1430
Patterson J: 2639
Patterson JF: 2033
Patterson PH: 3472
Pattin S: 884
Patton S: 1976
Patutschnick W: 651
Patwardhan VV: 2937
Pau H: 2938
Pauerstein CJ: 183
Paul D: 2939
Paul M: 2940
Paul RH: 1002
Paulo E: 2941
Paulsen B: 2849
Paulsen R: 2942
Pauly JE: 3410
Pauwels EK: 794
Pavelkovskaia LG: 2543
Pavlidis NA: 3455
Pavliuk VG: 2018
Pavlova OG: 2943
Pavlovic-Hournac M: 2944
Pawlik K: 3249
Pawlikowski M: 2945
Paxinos G: 1634
Paxton JW: 2946
Payne BJ: 2947
Payne PA: 3113
Paz G: 1580, 2948
Pazoles CJ: 719, 3040
Peaker M: 4126
Pearce FL: 187
Pearson AK: 2949
Pearson DV: 4320
Pearson JC: 1485
Pearson JD: 1293
Pearson JT: 517
Peart WS: 3509
Péč J: 1965
Pečený J: 2950
Peces R: 1150
Pech-Gourg F: 443
Pecheux F: 2951
Peck WA: 2952
Pedersen GM: 928
Pedersen ML: 2248
Pedersen PL: 2953
Pedersen-Bjergaard J: 2771
Pedráz García MJ: 2454
Pedroli G: 682, 2954
Peek U: 2770
Peh KL: 1369
Peillon F: 2143
Peitersen B: 1710
Pek S: 3978
Pekonen F: 2955
Pelikán L: 2956
Pellegrin F: 2988
Pellegrini M: 1231
Pellmar TC: 2957
Pelofsky S: 2958
Peltenburg M: 3245
Peña C: 1031
Peña EP: 3902
Pena SD: 2959
Peñaloza R: 3281
Pence DH: 2960
Pendleton RG: 2961
Peng TC: 2962
Penn RL Jr: 697
Pennisi A: 3919
Penpargkul S: 2963
Peo ER Jr: 417–418
Pera F: 367
Peralta E: 2629–2630
Perceval PE: 675
Percy JS: 3316
Perdrisot R: 3794
Perdue ST: 2964
Pereira NM: 2965
Perel JM: 1740
Peresecenschi G: 3823
Perez JM: 879
Pérez Díaz V: 2966
Pérez-Palacios G: 2262
Perez-Polo JR: 1847
Pérez-Soler J: 2967
Perfetti S: 394
Perheentupa J: 4055
Peri G: 2420
Perkins CM: 2968
Perkins FL: 427
Perkins MS: 2969
Pernice W: 1762
Pernollet MG: 836
Pernot F: 300
Perreault WJ: 2970
Perriard D: 2491
Perrild H: 2971
Perrin J: 4207
Perry BN: 2972–2974
Perry KW: 1161
Perry LD: 2975
Persaud TV: 1894
Persichetti B: 3687
Persky H: 2976
Pert C: 1754
Pert CB: 54
Pertosa M: 830
Pertschuk LP: 2977
Peskar BA: 88
Peskar BM: 2978
Pessina AC: 2879
Petch B: 232
Petch MC: 3771
Petek M: 189
Petera P: 2979
Peterkofsky A: 3069
Peters G: 2980
Peters H: 2981
Peters JR: 410
Peters MJ: 2651
Petersen H: 2982
Petersen KE: 2983
Peterson DA: 1225
Peterson DP: 315
Peterson JW: 2984
Peterson LJ: 2283
Peterson MS: 295
Pethick DW: 2985
Petith MM: 2986–2987
Petitti DB: 2988
Petkov P: 2989
Petkov R: 2990
Petrányi G: 1810, 1812–1813
Petrinelli P: 2991
Petrov RV: 2631
Pettengill OS: 298
Pettinger WA: 1881
Petty SK: 4082
Petzel SV: 2992
Peyrin L: 2533
Pezalla PD: 721, 2993
Pezner RD: 2994
Pfaff DW: 2052
Pfeifer S: 3657
Pfeiffer C: 767
Pfeiffer EF: 1041
Pfendt EA: 1884
Pfister C: 2995
Pfister WR: 2996, 4322
Pflugradt K: 3150
Phadke KP: 2997
Phelan JP: 3773
Philipp M: 2998
Philipp T: 2999–3000, 3000
Philips C: 584
Philips SR: 3001
Philipson A: 3002
Phillips AG: 3003
Phillips FC: 2451
Phillips HB: 3004
Phillips LS: 629
Phillips PJ: 2881
Phillips RS: 2392
Phillips-Quagliata JM: 2116
Philo R: 3005
Phipps RJ: 3201
Piau JP: 3006
Piazza M: 604
Picchi M: 4031
Picciocchi A: 3092
Picciolini E: 1215
Piccolomini A: 3036
Piccone JM: 3335
Pichler E: 1144
Picker RH: 184
Pickering BT: 2907, 3007
Pickering TG: 2620
Pickup ME: 887
Picotti GB: 318–319
Piekarska T: 1728
Pierce JG: 1252
Pieri S: 2906, 3009
Pierson C: 3103
Pierson Pentney RJ: 705
Pietras RJ: 3010
Pietrek J: 1987
Pietrzyk JJ: 3318
Piha RS: 4090
Pike JM: 670
Pilapil F: 3011
Pilgrim C: 3012
Pilkis SJ: 3013
Pill J: 1548
Pilo A: 320, 1231
Pilotti S: 868, 3216
Pils P: 2001
Pimenov LT: 2191
Pimenov PK: 4389
Pimenova TI: 364
Pimstone BL: 3533
Pineda RL: 3917
Pinggera W: 2179
Pinkhas J: 3556

Pinsky C: 2097
Pinsky L: 3015
Pioltelli P: 3016
Piperberg JB: 3017
Pipkin FB: 2798
Piriou F: 4063
Pirke KM: 3018
Pirker R: 3691
Pirkl S: 2028
Pisano JJ: 4073
Piscitello J: 3264
Pistocchi GF: 750–751
Pistotnik M: 3349
Pitkäjärvi T: 4325
Pitkänen Y: 2271
Pitsin DG: 3897
Pittet PG: 3019
Piva F: 403
Pivnitskii KK: 1691
Pivnitsky KK: 1024
Pivovarov VN: 3020
Piza-Katzer H: 3575
Pizzi WJ: 3021
Placidi S: 812, 3687
Planner RS: 3022
Plattner H: 1613
Platzer S: 3023
Plećaš V: 1748
Pledger WJ: 993, 3024
Pleier MG: 3765
Plenderleith RW: 3025
Plenk H Jr: 1489
Pleti M: 3318
Plishker MF: 3026
Ploth DW: 3027
Plugatarenko EA: 600
Plunkett RP: 3028
Pluzhnikov LT: 3498
Pluzhnikova GN: 1687
Poberai M: 2885
Pobil Moreno JL: 2616
Pødenphant J: 3921
Podkul D: 3029
Podmore J: 3030
Podruschnjak EP: 3031
Podvigina TT: 3032
Pogmore JR: 1755
Pohlschmidt L: 3033
Poholek R: 773
Pohorecky LA: 3034
Pohto P: 3035
Poisner AM: 688
Pokudin NI: 2851
Polacco V: 3036
Polanco A: 3037
Poland RE: 641
Polenov AL: 1194, 3498
Polentarutti N: 2420
Poliak RI: 3038
Poliakov VN: 364
Pollack MS: 4314
Pollak A: 1144
Pollak H: 3039
Pollard HB: 719, 3040
Pollastro R: 406
Polleri A: 2775
Pollet RJ: 1029
Polli EE: 696
Polson JB: 2068, 3041
Pometta D: 3042
Pomponi B: 2906, 3009
Ponce R: 4049
Pongratz D: 3043
Pönicke K: 1105, 1559, 3672
Ponomarenko IE: 3044
Ponsard G: 3923
Pont A: 3045, 3834
Ponte C: 3046
Ponticelli C: 3016
Pontifex G: 4080
Ponzio F: 3047
Poole S: 3048
Poole TR: 3049
Pope FM: 3050
Popova N: 4373
Popova NS: 2409
Popovtzer MM: 3051
Porcelli F: 69
Porenta M: 3052
Porias H: 3053
Poroshin KK: 1178
Porotikov VI: 2151
Porrazzi LC: 3054
Porter CC: 2296
Porter JC: 2332
Porter K: 3392
Porter RH: 3055
Portier KM: 643
Portugalov VV: 3562
Posalaky Z: 2531
Poschel BP: 3056
Pöschlová N: 966
Posen S: 2329, 3057
Poser JW: 3058
Poshyachinda M: 1167, 4039
Poskanzer DC: 1019
Post J: 3129
Postnov IuV: 2851, 3059–3060
Potenzoni D: 3969
Potkin SG: 3061
Potter D: 3919
Potter DE: 3062
Potter JJ: 2532
Potts JT Jr: 755, 1902, 3269
Poulain DA: 968
Poulsen K: 333–334, 3063
Poulter GA: 464
Poulton TA: 726
Pousette A: 3064
Poutasse EF: 3065
Powell-Jones W: 3066
Powers E: 505
Powers JL: 3573
Powley T: 4000
Pownall R: 709, 1969
Pöyhönen L: 1487
Poyser RH: 1084
Pozina IM: 2543
Pozone M: 1028
Prader A: 1004, 4314
Pragay DA: 3067
Prakash P: 1911
Prando A: 3068
Prange AJ Jr: 1775, 4085
Prasad C: 3069
Prasad GC: 3070
Prasad JS: 3071
Prasad KN: 956
Prasad R: 3605
Pratt RM: 3352
Pray RR: 3072
Prażmowska-Owczarek B: 4304
Preiksaitis H: 3927
Preiksaitis HG: 3073
Preiss B: 3074
Prentice DA: 3075
Presl J: 489
Preston CJ: 1481
Preuss EG: 902
Prever F: 797
Prewett MJ: 2567
Priam M: 988
Prianishnikov VA: 522, 3076
Přibylová H: 3077
Price JL: 2298
Price PA: 2767, 3058
Price RL: 4319
Prichard RW: 3078
Pridun N: 1988
Priestman T: 3079
Přikryl P: 3321
Pringuey D: 3080
Prinsley D: 3081
Pris J: 2785
Probert DE: 131–132
Procaccio F: 3016
Procel P: 728
Proimina FI: 192
Projan A: 2770
Prokhonchukov AA: 3082
Prokopczuk A: 2206
Propp MV: 192
Proschek L: 2263
Proscia N: 3083
Prosperi L: 3084–3085
Protheroe DA: 146
Proudman JA: 3086
Provost TT: 2836
Proye C: 3087
Pruin EH: 1489
Pruitt BA Jr: 4250
Pryse-Davies J: 4216
Przewłocki R: 916, 1419
Puca FM: 3088
Puchalska B: 3089
Puchalski Z: 3090
Puche RC: 3091
Puchstein C: 3466
Puglionisi A: 3092
Pugsley TA: 3093–3094
Puig RP: 2315
Puig de Morales E: 2967
Pujol H: 1331
Pujol JF: 787, 817, 3180
Pukka M: 1864
Pullan PT: 1769, 3095
Pullar IA: 4169
Pulman J: 2107
Punnonen R: 1342
Punt R: 804
Purandare H: 565
Purdie D: 2250
Purdon GE: 269
Pure E: 3616
Puri S: 3986
Purnell DC: 3440
Purohit VD: 3096
Purves LR: 2251
Purvis K: 377, 3097–3098
Puschett JB: 3099
Putney JW Jr: 3100, 4185
Puttkamer K: 3136
Pyke TR: 4288
Pytkowski B: 2206
Pytlik M: 1728

Q

Qaqish AY: 3101
Qasba PK: 3102
Qazi MH: 115
Quadri SK: 3103
Quagliarello J: 3104–3105
Quakernack K: 2595
Quan SF: 3106
Quarterman J: 3107
Quarto F: 3054
Quednau D: 3108
Queille ML: 3109
Quenzer L: 3110
Querleu D: 718
Quesada T: 15
Quilligan EJ: 3111
Quock RM: 3112

R

Raaijmakers JA: 3856
Rabinowitz D: 3690
Rabkin R: 3113
Rabkina AE: 38
Raboch J: 3114
Rabøl A: 1837
Rachinskiĭ ID: 3115
Rådegran K: 3116
Rader JI: 3117
Radev AI: 3118
Radhakrishnamurty R: 2933
Radharrishnan S: 3119
Radman M: 1935
Radmanović S: 1772
Radonić M: 2435
Radtke HW: 3120
Radtke I: 3121
Rae PA: 1377
Raff MC: 3122
Raghunathan R: 107
Raghuveeran CD: 621
Rahamimoff R: 3123
Raisman RS: 836
Raisz LG: 1576, 3124–3126, 3289, 3361
Raitsina SS: 3127
Rajan R: 3128
Rajani U: 3365
Rajerison RM: 514
Rajfer S: 3631
Raju U: 3129
Rakić D: 1772

Rakoto JC: 477
Rall JE: 499
Ralph CL: 2866
Ram CV: 3130
Ramachandran CK: 1770
Ramaekers LH: 3259
Ramakrishnan S: 3131
Ramaley JA: 3132
Ramcharan S: 2988
Ramey CT: 4371
Ramirez G: 3133
Ramos-Niembro F: 1075
Rampini E: 3134
Rampon S: 3613
Ramsay LE: 1122
Ramsay NK: 1224
Ranadive KJ: 3538
Rance CP: 1611
Ranft R: 3135
Ranke M: 3136
Ranta R: 3137
Ranta T: 2416
Rao CV: 2579, 3138–3139
Rao GH: 1224
Rao MS: 3395
Rao SK: 3140
Rao SS: 3985
Rappaport H: 2710
Rappaport SC: 4077–4078
Rappelli A: 3141
Rappeport JM: 531
Raptis P: 210
Raptis S: 108
Rary JM: 3142
Rascher W: 851, 2413
Rascol A: 3143
Rashedi M: 3739
Raskind M: 3144
Rasmussen H: 1286
Rass IT: 3145
Rastelli A: 3134
Ratcliffe JG: 710, 1465, 3030
Ratcliffe WA: 710
Rath CE: 3525
Rathbun RC: 3627
Rathee S: 3146
Rather EP: 2321
Rathnam P: 3147
Ratnam SS: 603, 1369
Ratner A: 3666
Ratten GJ: 3148
Ratzmann KP: 3149
Ratzmann L: 3150
Rauckman EJ: 1946
Raue F: 3151
Rauh W: 3152
Rausch FD: 3153
Rausch WD: 3207
Ravaglia G: 2278
Ravera R: 148
Rawłów A: 2391
Rawson JM: 3154
Ray KP: 614, 2726
Raymond RM: 975
Raymond V: 2098
Raynolds WL: 53
Raz A: 2715
Razack MS: 1102
Reader TA: 3155–3156
Reardon GE: 3157
Reaven GM: 3158
Rebello MA: 2965
Rebière A: 3159
Reboani C: 842
Reboud JP: 559
Recabarren SE: 3160
Recasens E: 549
Rech RH: 3766
Rechardt L: 1520
Rechlin R: 3161
Recker RR: 1479–1480
Reddy KV: 2721
Redel J: 3109, 3162, 3876
Redgate ES: 3163
Redin VA: 3164
Redweik U: 4355
Reece JM: 4130
Reed JD: 1545
Reed MJ: 3165
Rees L: 4150
Reeve TS: 184
Reeves JD: 3166
Reeves JJ: 2782
Reeves JP: 2514
Reeves JT: 2588
Refetoff S: 460
Regal DS: 3167
Regazzoni M: 671
Regelson W: 3168
Reger SN: 3169
Regieli A: 376
Regnier F: 1288
Rehnig A: 3170
Reich E: 1316, 4029
Reich IM: 3478
Reich-Rohrwig C: 500
Reichlin S: 279, 3171
Reid IA: 1630, 2290
Reilly JF: 2865
Reimers HJ: 51
Reinberg A: 3172
Reinhard D: 3536
Reinhardt MC: 348
Reinharez D: 3173
Reinold E: 1226
Reinschke P: 3161
Reinwein D: 2831, 3174, 4099
Reis DJ: 1760
Reisenauer R: 2950
Reisin E: 2355
Reissmann S: 3242
Reitamo S: 3175
Reiter EO: 4182
Reiter RJ: 3005, 4033–4034
Reiter S: 3176
Reith EJ: 3177
Reitz BA: 1725
Remonda G: 8
Remuzzi G: 3178–3179
Renaud B: 712, 817, 3180
Renaux J: 3875
Rendina GM: 3181
Renegar RH: 3182
Renerre M: 3990
Rengel MA: 2291
Renner H: 3433
Rentsch G: 2929
Rentzhog L: 2784
Renwick AG: 4259
Repetto F: 3374
Resch B: 731
Resch G: 3681, 3683
Resch K: 1214
Resche F: 829
Resele L: 428
Resnick D: 3183
Resnik R: 3184–3185
Retiene K: 1041
Rettig R: 3186
Rettkowski W: 3187–3188
Reuber MD: 3189–3190
Reubi FC: 1085
Reuse J: 1100
Reuther P: 3238
Revaz C: 3191
Revenaugh M: 2114
Reviczky A: 3192
Revuz J: 3916, 3958
Reybrouck T: 1011–1013
Reybrouck TM: 2228
Reyes FI: 4262
Reynolds RL: 3193
Rezaizadeh MM: 3194
Reznikov AG: 4024
Reznikova MB: 3059
Rhind VM: 887
Rhoades RA: 3195
Rhymer AR: 2666
Riccabona G: 3196
Riccardi VM: 3197
Richards BW: 3198
Richards V: 3199
Richardson DE: 37
Richardson PD: 3200
Richardson PS: 3201
Richter CP: 3202
Richter E: 1638, 3203
Richter IA: 3204
Richter J: 1504
Richter K: 2177, 3933
Rickels K: 1624
Ricken D: 1091
Rickerby J: 2930
Rico H: 809
Rico R: 3281
Rico Lenza H: 3205
Riede PR: 3206
Riede UN: 3206
Riedel-Pauls W: 2792
Riederer P: 3207
Riegger AJ: 232
Riehl M: 3208
Riepe RE: 3209
Rietschel RL: 3210
Rietveld WJ: 3211
Rifkin DB: 3212
Rigaud D: 1484
Rigden BG: 2338
Riggan LJ: 989
Riggs BL: 2720
Rigillo N: 3088
Rigobello L: 1669
Riikonen R: 3213
Rijnberk A: 2508
Riley FC: 3214
Riley JW: 184
Riley MS: 3215
Rilke F: 385, 3216
Rimoin DL: 1595
Ring J: 1147
Ringo JA: 2782
Rippon JW: 3217
Riquelme PT: 3218
Ristić Dj: 856
Ristow HJ: 2939
Ritchie AK: 1917
Ritsilä V: 3963
Ritter F: 3451
Rittschof D: 872
Ritz E: 2046–2047, 2404, 3219, 3398, 3937
Rivera-Viera JF: 2925
Rivier JE: 1754
Rizvi R: 3220
Rjosk HK: 4100
Robb RM: 3535
Robberecht P: 3221
Robbins J: 3222
Robel P: 358
Robert A: 2122
Roberts A: 3223
Roberts AJ: 2742
Roberts DC: 2461
Roberts E: 637
Roberts KL: 3224
Roberts M: 4283
Roberts MA: 3857
Roberts MH: 1779
Roberts R: 1842
Robertson DR: 3225
Robertson HA: 3226
Robertson JI: 232, 332, 1097, 2155, 3227
Robidoux WF: 2460
Robinette CL: 3228–3229
Robinson AG: 3487
Robinson AM: 3230
Robinson BH: 2685
Robinson C: 3231
Robinson CJ: 1722
Robinson D: 2260
Robinson DR: 3232
Robinson E: 2093
Robinson J: 1394
Robinson JC: 3347–3348
Robinson JJ: 3878
Robinson JS: 3843
Robinson M: 2521
Robinson PH: 3233
Robinson PL: 3234
Robinson PT: 3185
Robinson RG: 3235
Robson EA: 1191
Robson V: 4280
Robuschi M: 562
Robyn C: 1204
Roccatagliata G: 3236
Roche A: 3062
Rochelle RD: 3237
Rocher P: 358
Rochet Y: 442
Rock JA: 1777, 3142

Röckel A: 3238
Röckert HO: 3239
Rodbard D: 4313
Rodbell M: 4293
Rødbro P: 626–628
Ródicio JL: 2966
Rodionov IM: 280
Rodionov VP: 2843
Rodnan GP: 3240
Rodríguez A: 156
Rodríguez C: 2967
Rodriguez ME: 1029
Rodriguez V: 368
Rodriguez Costa A: 3241
Rodríguez-Iturbe B: 1056
Rodríguez-Miñón Cifuentes J: 552
Rodriguez-Rigau LJ: 3715
Rodríguez-Sargent C: 536
Roemer W: 3242
Roepke JL: 1938
Roffi J: 693
Roffwarg H: 1858
Rogawski MA: 3243
Roger M: 586
Rogers N: 831, 2637
Roginsky M: 1510
Rogol A: 3061
Röher HD: 3244
Röhl L: 2892
Rohr HP: 3245
Rohrer H: 3246
Rohs GH: 3471
Röjdmark S: 3247
Rokosz-Pelc A: 1419
Rolandi E: 206–207, 3248
Rolf LH: 2485
Rolls BA: 2891
Roma F: 3307
Romanet P: 1174, 1390
Romański B: 3249
Romas NA: 3250
Romashko OO: 2631
Rome RM: 3251
Romei E: 605
Romeo C: 3241
Romer TE: 1814
Romero JA: 3252
Romijn HJ: 3253
Römmler A: 3492
Romrell LJ: 3254
Romshe CA: 741
Romsos DB: 3947
Romussi M: 739
Ron M: 3483
Rónai AZ: 3799
Ronin C: 3255–3256, 3256
Rønnekleiv O: 3257
Rooney ML: 4216
Rooney SA: 1912, 3258
Roord JJ: 3259
Root AW: 4182
Rootwelt K: 3260
Roques M: 3893
Rosai J: 2200
Rosas R: 511
Rosdahl VT: 3677
Rose DP: 3261
Rose G: 3262, 3451
Rose GL: 2708
Rose H: 510
Rose JC: 2290
Rose JQ: 3263
Rose LI: 2737
Rose NR: 2307
Rose RM: 295, 1294
Rosen D: 3645
Rosen E: 3690
Rosen F: 1666
Rosen GM: 1946
Rosen IB: 3932
Rosen JM: 910
Rosen N: 3264
Rosen OM: 3264
Rosen PP: 3265–3266
Rösen R: 2254
Rosenau KO: 3408
Rosenbaum AH: 800
Rosenberg EW: 1831
Rosenberg HS: 3267
Rosenberg MJ: 3592
Rosenberger J: 3268
Rosenblatt JS: 3568
Rosenblatt M: 3269
Rosenblum WI: 3270
Rosendahl W: 3136
Rosenfeld DL: 1624
Rosenfeld R: 3271
Rosenfield AT: 4134–4135
Rosenkrantz JG: 3272
Rosenkranz G: 3848
Rosenkranz RP: 3273
Rosenman HD: 3274
Rosenstein L: 831
Rosenthal J: 108–109, 3275
Rösler A: 436
Ross B: 1414
Ross EJ: 2241
Ross G Jr: 548
Ross GT: 3276
Ross MH: 3254
Rossakis C: 2174
Rossaro S: 3277
Rossazza C: 835, 3278
Rossberg B: 3161
Rosselin G: 72
Rossel's AN: 3020
Rossi A: 385
Rossi E: 2491
Rossier BC: 3279
Rossier J: 1599
Rossing N: 3280
Rossini AA: 2737
Rossio JL: 2303, 2446
Rössner S: 1119
Rossow N: 2048
Rostenberg I: 3281
Roth J: 3469
Roth SI: 755
Rothchild I: 1264
Rothhammer F: 3989
Rothkopf M: 3282
Rothkopf-Ischebeck M: 3283
Rothman AH: 684
Rothman KJ: 1758
Rotolo A: 2889
Rott HD: 3284
Rotter V: 3285
Rottman FM: 2762
Roubicek J: 2042
Roufogalis BD: 3286
Rougon-Rapuzzi G: 3287
Roulston JE: 2347
Rousseau TG: 2269
Rousseaux P: 3288
Roussel B: 2538
Routtenberg A: 3423
Rouveix B: 1099
Roux ME: 2116
Rovano S: 4026
Rowe DW: 3289
Rowe JC: 3289
Rowell TE: 3290
Rowland DL: 3291
Rowland N: 3292
Rowlands GJ: 3293
Rowlands JB: 3294
Rowley-Jones D: 503
Rowson LE: 2736
Roxas MA: 1221
Roy C: 1366
Roy N: 3353
Roy RN: 3027
Roy S: 49
Royston P: 521
Rozanski RM: 3689
Rozen VB: 3635
Rozenberg MC: 2162
Rózewicki K: 3295
Różewicki S: 3295
Rózga J: 1746
Rozhanets VV: 121
Rübben H: 73
Rubenfeld S: 3296
Ruberg M: 988
Rubezhanskiĭ AF: 3297
Rubin AL: 2786, 4142–4143
Rubin P: 2721
Rubio L: 1056
Rubio Pérez P: 3298–3299
Rudak E: 1707
Rudali G: 3300
Rudenko IIa: 2013
Ruderman RJ: 2232
Rudland PS: 2807, 3301–3302
Rudnick G: 3303–3304, 3304
Rudolph AM: 1699
Rudolph R: 1207
Rudorff KH: 1703
Rudulph JG: 3027
Rudzit EA: 3305
Rueckert PA: 2779
Ruilope LM: 2966
Ruis AM: 1793
Ruisseau PD: 3306
Ruiz E: 3307
Ruíz Iglesias C: 535
Ruíz Jiménez JI: 1376
Ruiz-Marcos A: 3308
Ruíz Montes A: 352
Rumbaugh RC: 2032
Rumpf KW: 3309
Rundgren M: 3310
Runey GL: 3311
Runey WM: 3311
Rupp RG: 3312
Rupp S: 1347
Rus Herrera F: 2616
Rush RW: 3313–3314
Rushton DI: 3315
Russe OJ: 4390
Russell AS: 3316
Russell JD: 107
Russell RG: 736, 1481, 3842
Russell RL: 3663
Russell RP: 4211
Rutala PJ: 2321
Rutigliano A: 3181
Rutkowski R: 1368
Rutledge BJ: 3317
Rutledge CO: 1081
Ruz L: 2262
Ryan KJ: 197
Ryan RG: 427
Ryan RJ: 429
Rybak M: 3318
Rybarz A: 433
Rybo G: 290
Ryder TA: 4216
Ryffel GU: 1045, 1616, 3319
Rynes RI: 3320
Ryšánek K: 3321
Ryynänen A: 3610
Ryzhavskiĭ BIa: 3322
Ryzhikov VD: 3323
Rzepka I: 3295

S

Sääf J: 1651
Saal JR: 3324
Saavedra JM: 3325
Sabatini S: 3326
Sabbaga E: 618
Sabbot IM: 227
Sabet S: 2548
Sabin G: 1091
Sacca JD: 3327
Saccà L: 959
Sacerdote M: 2279
Sacher M: 1004
Sachs L: 2224, 3328
Sachs NJ: 3329
Sack J: 436, 3330
Sack K: 3457
Sacker DF: 3669
Sackman JW: 4033
Sacks HS: 3331
Sacktor B: 2217
Sadée W: 3573
Sadílková M: 3332
Sadjadi HE: 398
Sadow J: 1817
Sadowski SJ: 391
Saebø J: 3333
Saermark T: 3921
Saez JM: 3334
Saffran M: 2320
Safilian EF: 3117
Sagar VV: 3335

Sage BA: 2443
Sagel SS: 2163
Saghafi D: 3051
Saha GB: 3336
Sahib MK: 3337
Sahu S: 3338
Said SI: 399
Saiki S: 1855
Sailer G: 1879
Saim A: 2549
Saito H: 1677, 3821
Saito I: 1995, 3339, 3376
Saito K: 7, 637, 3904
Saito M: 1921, 1948, 2827
Saito S: 748, 1677, 4307
Saitoh K: 1816
Sajgó M: 3340
Sakagami Y: 3940
Sakaguchi H: 1685, 2690
Sakai K: 3341
Sakai M: 3342–3343
Sakai S: 3344–3345
Sakai Y: 3346
Sakakibara S: 2688
Sakamoto H: 1586, 3836
Sakamoto N: 2696
Sakamoto S: 1782, 1867
Sakiyama T: 3347–3348
Sako K: 1102
Saks VA: 3524
Saksela E: 3391, 3915
Saksena SK: 1633
Sakuma H: 1978
Sakura M: 2689
Sakuragawa N: 1977
Sakurai T: 1983
Sakurai Y: 7
Sala C: 2188
Sala G: 912
Sala MA: 2470
Salahović S: 3349
Salakhidinov Z: 2896
Salakhova NS: 3350, 3949
Salau G: 731
Salinas Casado J: 552
Sallum J: 3351
Salmon SE: 931
Salmon WD Jr: 1310
Salomon DS: 3352
Salomon MI: 3845
Salvatierra V: 732
Samanta TB: 3353
Sambuc R: 3366
Samizadeh A: 3354–3356
Samojlik E: 3367
Sampson L: 1032
Samson MK: 3357
Samuel D: 1261
Samueloff S: 4296
Samuelson CO: 2559
Samuelsson B: 3358
Sanborn C: 3666
Sanchez P: 3334
Sánchez SH: 387
Sánchez-Cantalejo E: 15
Sánchez Fayos J: 3359
Sánchez-Garrido F: 4030
Sánchez López-Tello C: 352
Sanchez Martin JA: 1150, 1517
Sánchez Muros J: 791
Sánchez Sánchez ML: 3298–3299
Sanchez-Toscano F: 3308
Sánchez Yus E: 3360
Sandberg AA: 1845
Sandberg AL: 2837, 3361, 4115
Sanders DJ: 1545
Sandler JA: 13
Sandman CA: 4124
Sandoe CP: 4264
Sándor P: 1809
Sandow J: 3362
Sandritter W: 3206
Sandström S: 2245
Sangalang GB: 3363
Sanguigni D: 3364
Sankolli GM: 3365
Sanmarco JL: 3366
Sanna F: 2500
Santana JP: 700
Santen RJ: 3367
Santiago JC: 3978
Santiago JV: 645
Santiemma V: 1111
Santoro MG: 3368
Santoro S: 2889
Santos G: 531
Santos MI: 2668
Santucci R: 1111
Sanyal MK: 3369
Sanyal S: 3370–3371
Saper CB: 3372–3373
Sar M: 1198–1199
Sarabia García F: 852
Saracci R: 3374
Sarada K: 1184
Saraiya UB: 1197
Sárközi M: 2301
Sarna S: 760
Sarto GE: 3375
Saruta T: 1995, 3339, 3376
Sas M: 1021, 3377–3380
Sasai K: 2092
Sasaki A: 1415
Sasaki D: 1162
Sasaki F: 3961
Sasaki M: 1133, 3381, 3942
Sasaki R: 607
Sasaki Y: 1945, 2689
Sass NL: 777
Sassard J: 817, 3180
Sastry BV: 589
Sastry PB: 3382
Sato C: 1799
Sato K: 2379
Sato M: 7, 3383–3384, 3384
Sato N: 3385
Sato T: 3904
Sato Y: 3964
Satokari K: 2271
Sattelle DB: 1218
Sattin A: 3386
Saudino D: 416
Sauer MM: 1902
Saunders DM: 3387–3388
Saur W: 1719, 1768
Sauvan G: 3366
Sauvant D: 608
Savage JP: 129
Sávay G: 2885
Savchenko ON: 192
Saville PD: 1479–1480
Savinova VF: 3389
Savinskaia AP: 2543
Savir H: 3390
Savitskiĭ GA: 1694
Savković NV: 2536
Savolainen E: 3391
Sawaya P: 3987
Sawitsky A: 2771
Sawyer J: 2961
Sawyer WH: 514
Saxena AK: 312–313
Saxena BB: 3147
Saxena BN: 1905
Sayegh FS: 3392
Sayers L: 2578
Sayfan J: 3393
Scaff M: 2426
Scally MC: 3394
Scanlon MF: 2346
Scapagnini U: 746, 1221
Scappin L: 306–307
Scarda A: 2500
Scarlato G: 523
Scarpelli DG: 3395
Scarpini E: 523
Scavo D: 3396
Scetbon V: 1201
Schaaf M: 3631
Schaal HJ: 1330
Schachter BS: 1829
Schächterle B: 3309
Schade DS: 3215, 3397
Schaefer K: 3398
Schaerf FW: 577
Schäfer H: 3399
Schalekamp MA: 825
Schallert T: 3400–3401
Schally AV: 1850–1851
Schams D: 3740
Schanbacher BD: 3402
Schanker LS: 1496
Schapira G: 3006
Schär J: 3403
Schärer K: 3062
Scharf Y: 2683
Schassan HH: 4271
Schatz NJ: 2164
Schatz P: 2716
Schaub C: 3404
Schauer M: 1802
Schaumlöffel E: 4210
Schaz K: 3593
Schebitz H: 4292
Schedl HP: 2986
Schein LG: 880
Scheinar J: 3405
Scheinin TM: 3610
Scheler F: 1153, 1251, 3309
Schelling P: 3186
Schenck K: 3406
Schenker JG: 3407
Scherbaum WA: 3408
Scherberg NH: 3409
Scherer E: 2820
Scherer HE: 454
Scherfe T: 1463
Schernthaner G: 3203, 3575
Scherpe A: 3751
Scherpereel B: 3288
Scheuer A: 1463
Scheuer J: 2963
Scheving LE: 1392, 3410
Schicht IM: 794
Schiebler TH: 768
Schiff JD: 3411
Schiffer HP: 3446
Schifrin BS: 1002
Schiller PW: 3412
Schimassek H: 96
Schimke RT: 1884, 2694
Schimmer BP: 1377
Schinetti ML: 299
Schippers E: 3120
Schippers K: 1953
Schlager SI: 2817, 3413
Schlegel J: 3451
Schlensker KH: 3414
Schlereth H: 2128
Schlesinger M: 855
Schleupner CJ: 3415
Schlieter D: 4300–4301
Schlondorff D: 3416
Schlör KH: 3593
Schlossberger HG: 1959
Schmalzl F: 4
Schmid K: 2177
Schmid P: 3417
Schmidlin S: 2908
Schmidt B: 3418
Schmidt C: 1561
Schmidt CG: 2820
Schmidt CW: 3419
Schmidt E: 3420
Schmidt HA: 3421–3422
Schmidt HJ: 716
Schmidt M: 1656
Schmidt MJ: 3423
Schmidt P: 2001
Schmidt S: 3309
Schmidt TJ: 3424
Schmidt-Gayk H: 3428, 3937
Schmitt B: 2026
Schmoldt A: 3425
Schmoll M: 3426
Schnabl H: 1212
Schneck J: 3264
Schneider AB: 126
Schneider H: 3427–3428
Schneider HJ: 4088
Schneider HP: 380, 2646
Schneider KR: 3429
Schneider PB: 3430
Schneider-Schultes B: 1879
Schneiderman CR: 3431
Schnell RC: 2960
Schneyer CA: 3432
Schneyer LH: 3432
Schnitzler S: 3433
Schnoes HK: 2371

Schnorr D: 3698
Schnurr E: 2086
Schober E: 1144
Schober O: 3434
Schoenberg BS: 3435
Schoenen J: 811, 3436
Schoenl M: 4333
Schoenle E: 3437
Schoenwald RD: 3438
Schoeppe W: 1130
Schoffers J: 73
Schöffling K: 58, 2746
Schofield FA: 119
Scholtz JR: 3439
Scholz DA: 3440
Scholz P: 1427
Schomerus H: 3441
Schömig A: 851, 2413, 2490
Schonberg LA: 3442
Schönhöfer PS: 2581
Schorderet M: 3443
Schorderet-Slatkine S: 3443
Schorlemmer HU: 244
Schotman P: 3444
Schottenfeld D: 3266
Schottke C: 3445
Schoun J: 2597
Schrameyer B: 3446
Schramm P: 1427
Schreiberová O: 2429
Schreibman MP: 2899
Schreiner P: 3447, 3611
Schroeder E: 3677
Schroeder HR: 3448
Schroffner WG: 3449
Schrold J: 3450
Schrör K: 2254
Schteingart DE: 3945
Schubert K: 1282, 3451
Schubert R: 3452
Schuchardt R: 2635
Schuler G: 1613
Schüler L: 3453–3454
Schüllerová M: 2429
Schulman JD: 629
Schultz G: 1719
Schultz RM: 3455
Schultzberg M: 3456
Schulz E: 3457
Schulz F: 2746
Schulz M: 433
Schulz W: 3458–3460
Schulze C: 3461
Schumacher OP: 3531
Schumann C: 3462
Schumann G: 3451
Schümann HJ: 462
Schumann K: 3463
Schumert Z: 3690
Schurr PH: 581
Schussler GC: 2258
Schuster E: 3464
Schuster G: 3170
Schütte B: 1730
Schuurs AH: 4011
Schwab M: 2492
Schwabe C: 3465
Schwabe U: 3466
Schwaiger MM: 188
Schwartz A: 2963
Schwartz DC: 1832
Schwartz GJ: 3467
Schwartz J: 828, 1005, 1656
Schwartz JC: 2884, 3794
Schwartz JH: 3337
Schwartz KJ: 896
Schwartz PE: 4134–4135
Schwarz BE: 2332
Schwarz K: 1550
Schwarz S: 1638
Schweer HH: 3468
Schwegler N: 3469
Schweikert HU: 3470
Schweitzer B: 2538
Schwertschlag U: 1387, 3471
Schwerzmann K: 542
Schwinger E: 3470
Schydlower M: 3472
Scicli AG: 545
Scivoli L: 3036
Scoggins BA: 2253, 2335, 4223
Scollan EL: 1850
Scorza R: 3473
Scott DE: 3474
Scott DF: 205
Scott E: 3475
Scott JT: 3476
Scott PM: 3474
Scott RS: 3477
Scott WN: 3478
Scow RO: 3692
Scriba PC: 3043
Seabloom RW: 3974
Seager SW: 508
Sealey JE: 130, 2292, 3479
Seaman WB: 3480
Sebens JB: 4001
Sebert JL: 1109
Seddon RM: 131, 3481
Seeley T: 4345
Seeliger H: 1784
Seeman P: 4212
Segaard E: 3660
Segal B: 2683
Segal M: 3482
Segal S: 1393, 3483, 3690
Segaloff A: 3465
Segawa T: 2662
Segenreich E: 3556
Segre A: 296
Segre GV: 755
Segreti AC: 3270
Sehlin J: 1495
Sehn JT: 3484
Seidah NG: 721, 2993
Seidel A: 3485
Seidel H: 4271
Seidenstadt RM: 3486
Seidman LS: 3862
Seif FJ: 3408
Seif SM: 3487
Seifert B: 3488–3490
Seifert H: 225
Seifert SC: 1125, 3491
Seifried H: 2199
Seige K: 902
Seiler N: 787
Seino M: 7
Seino Y: 3805
Seinsch W: 3492
Seitz M: 1214
Sekeris CE: 4087
Seki A: 1983
Sekiya T: 3493
Sekso M: 189
Sela J: 419
Seligman B: 2771
Seligman IJ: 2606
Sellini M: 3494
Sells RA: 238
Selstam G: 2382
Selwyn MJ: 780, 3495
Semenovskiĭ AV: 3496
Semeraro G: 868
Al-Senawi DA: 3497
Senchik IuI: 3498
Sendon PA: 1516
Senez P: 3499
Sengupta D: 1367
Senie RT: 3266
Senn HJ: 2771, 3500
Seno S: 1026
Senze M: 3707
Seo H: 460
Serdoz R: 734–735
Seredyński M: 1987
Sergovich FR: 570
Serlin MJ: 3501
Sernesi L: 2188
Sernia C: 3502
Serov VN: 3503
Serov VV: 3504
Serpukhovitin SIu: 1876
Serr DM: 3330
Serralach N: 3505
Serrou B: 1331
Serup J: 3506–3507
Sesia G: 3508
Setchell BP: 1541, 2389
Seth J: 1673
Setlow RB: 26
Seto H: 3910
Seurin D: 297
Sevastikoglou JA: 2249
Sever PS: 771, 3509
Severance R: 543
Severs WB: 1838, 3874
Severson DL: 906
Sexton L: 3510
Seyfried H: 3609
Sfikakis A: 3511
Shabbak F: 3841
Shabunova IA: 2484
Shackleton CH: 3844
Shah GV: 3537
Shah PN: 1233
Shahani SM: 3512
Shahshahani M: 3331
Shain SA: 3513
Shakhlamov VA: 3514
Shakhova AD: 3503
Shakhunov BA: 3082
Shaltiel S: 4375
Shamim M: 3515
Shanbaky NM: 3516
Shaner JP: 3726
Shangold M: 3517
Shank BB: 3518
Shankaran P: 526
Shapiro FB: 3519
Shapiro L: 2771
Shapiro LR: 3520
Shapiro R: 153
Shapiro RS: 1224
Shapoukhova KS: 2094
Sharaf AA: 3521
Sharban AP: 4374
Share L: 3113
Sharma AK: 3522
Sharma B: 2576
Sharma D: 1854
Sharma MP: 3523
Sharma RP: 2911
Sharman DF: 1578
Sharov VG: 3524
Sharovarova GM: 2484
Sharp PJ: 1950
Sharp R: 2294
Sharrow SO: 2472
Shashaty GG: 3525
Shattil SJ: 1664
Shatton JB: 3526
Shaver JW: 2417–2418
Shaw B: 1545
Shaw DH: 325
Shaw FD: 938
Shaw J: 3922
Shaw KM: 3527
Shaw RW: 1256, 3528–3529
Shaw SR: 163, 2287
Shchedrina RN: 1024
Shcherbakova IA: 3898
Sheahan DG: 3484
Shearman RP: 3387
Shechter Y: 3530
Sheeler LR: 3531
Sheil LP: 464
Sheiner LB: 3573
Shelnin PI: 3532
Shekhaeva OM: 3145
Shelley SA: 178
Shelton J: 1122
Shen FW: 2334
Shepard GL: 3269
Sheppard MC: 3533
Sheps SG: 2641
Sheran M: 1955
Sheridan B: 4253
Sheridan P: 3534
Sheridan PJ: 569
Sheridan SJ: 3535
Sherman BM: 2006, 3792
Sherwin RS: 959
Sherwood J: 3536
Sherwood LM: 1418
Shetalova MV: 127
Sheth AR: 3537–3538
Sheth NA: 3538
Shetty PS: 3539
Shevchuk VG: 1148

Sheves M: 948, 3540
Shewmaker DB: 4114
Shibata A: 1977
Shibata N: 3541
Shibayama Y: 3938
Shibota M: 3542
Shibuya H: 54
Shier WT: 2102
Shigekawa M: 1528
Shigemasa C: 3543
Shikhaleev IuN: 1692
Shikita M: 927
Shima S: 3544–3545
Shima T: 3976
Shimada K: 3546
Shimada M: 3822
Shimamoto K: 3547
Shimizu K: 3942
Shimizu T: 3548, 4311
Shimo Y: 1815
Shimoda W: 2234
Shimoyama M: 3967
Shinada S: 1977
Shinada Y: 3961
Shindo H: 3040
Shine NR: 3557
Shino A: 2678, 3542
Shinohara M: 2627
Shintaku T: 2811
Shioji T: 97
Shiokawa Y: 1449
Shiomi H: 3549
Shiono K: 1871
Shiozu H: 2808
Shiraishi T: 2621
Shirama K: 3550
Shires GT 3d: 136
Shirley DG: 2149
Shizume K: 2481, 3551
Shkodkin IV: 3552
Shkumatov VM: 34
Shlatz LJ: 3553
Shleien B: 3554
Shmerling DH: 1004
Shoemaker DW: 3555
Shoenfeld Y: 3556
Shoer LF: 3557
Shohat B: 1336
Shokeir MH: 1707, 3558–3559
Shore A: 1208
Shore PA: 2364
Shoshina SV: 3635
Shrimanker K: 1108
Shubnikova EA: 150
Shucart WA: 3560
Shukhgalter IA: 3561
Shuster S: 3873
Shuter B: 3387
Shutt DA: 3388
Shvets VN: 3562
Shyr CI: 3563
Sibalin M: 3564
Sibley CP: 3565
Sicuteri F: 3566
Siddiqui HM: 819
Sie P: 2785
Siebenschein R: 4061
Siebers JW: 2654–2655
Sieck GC: 3567
Siegel A: 2038–2040
Siegel HI: 3568
Siegelbaum M: 4198
Siegenthaler W: 4061
Siegrist HP: 3569
Siep E: 3570
Sigg K: 3571
Silaev AA: 1937, 3572
Silant'eva VD: 4389
Silbauer K: 2179
Silber B: 3573
Silber SJ: 3574
Silberbauer K: 3575
Silberbaver K: 3609
Silbermann M: 3576
Siler-Khodr TM: 4033
Silman RE: 2652
Silva P: 992
Silva de Sá MF: 3577
Silveira SR: 3578
Silveira Filho NG: 1314
Silver A: 1444
Silver J: 1016
Silver MJ: 329
Silver TM: 439
Silverman J: 45
Silverman VE: 3296
Silvestre D: 1132
Simantov R: 3579
Simcock BW: 3580
Simek J: 3632
Simeone J: 4134
Simescu M: 638
Simesen MG: 3581
Siminovitch L: 1372
Simkhovich BZ: 3582
Simkins A: 3583
Simmonds JP: 3584
Simmons GB: 3585
Simmons RL: 2642
Simões AC: 3586
Simon B: 1853, 3587–3590
Simon D: 2318
Simon NG: 3591
Simon NM: 3592
Simon W: 3186, 3593
Simone JV: 1216
Simonin R: 3366, 3983
Simonov PV: 123
Simonović I: 2474
Simonsson B: 3594–3595
Simonsson BG: 3786
Simpson DR: 1190
Simpson J: 2930
Simpson JL: 3375, 3596
Simpson N: 782
Sinadinović J: 3597
Sinclair JG: 3598
Sindelar WF: 3599
Sing EJ: 3600
Singer B: 681
Singer FR: 3601
Singer SS: 3602–3603
Singh B: 4174
Singh GC: 3604
Singh M: 1759, 3605
Singh MM: 2565
Singh PM: 3070
Singh RP: 3606
Singh S: 3607
Singh SK: 2576
Singh SN: 1249
Sinha PK: 956
Sinha S: 4229
Siniscalco M: 172
Sinks LF: 915, 3608
Sinowatz F: 4297
Sinzinger H: 2179, 3575, 3609
Sioch R: 2847
Siperstein MD: 4238
Sippell WG: 1972
Sipponen J: 3610
Siracká E: 3611
Siracký J: 3447, 3611
Sirett DA: 3612
Sirol J: 826
Sirot J: 3613
Sis J: 2046–2047
Sistek J: 3614
Sitaras N: 3511
Sitzmann F: 1371
Siutkin EA: 2058
Sivak A: 3615
Sivakoff M: 3616
Sivarajah K: 3617
Sivaraman L: 3119
Sivers JS: 2868
Sivula A: 3610
Sizaret PH: 159
Sizemore RC: 2561
Sjaastad OV: 1468
Sjöquist PO: 2447
Skakkebaek NE: 3618
Skala JP: 3619–3620
Skar AG: 983
Skerritt GC: 3621
Skiendzielewska A: 3697
Skinner GW: 3153
Sklarew RJ: 3129
Sköldefors H: 3867
Skoliarova NA: 3622
Skolnick P: 775
Skorkovská I: 3889
Skovránková J: 2022
Skripnichenko DF: 3623
Skrivan J: 3624
Skrypnychenko LS: 2843
Slaastad R: 3661
Slama-Scemama A: 3625
Slanina J: 2064
Slater EE: 3626
Slater IH: 3627
Slätis P: 2873, 2875–2876
Slavík M: 3684
Slavík V: 935
Slavnov VN: 3628–3629
Sliwinski AJ: 4239
Sliwinski JE: 4114
Słominska-Zurek J: 482
Slonim A: 3690
Slonim AE: 3630
Slouka V: 2028
Slucher JA: 4013
Sly WS: 2591
Small AM: 533
Smallridge RC: 3631
Smallwood R: 2445
Smals AG: 1549
Smejkalová J: 3632
Smeulers J: 3633
Smiałowska M: 1419
Smidt D: 972, 3037
Smigla K: 3798
Smirnov AN: 3635
Smirnov IO: 1671
Smirnova IO: 1670
Smirnova IS: 401
Smirnova NP: 3634
Smirnova OV: 3635
Smith AJ: 2451
Smith BH: 1359, 3636
Smith BR: 2360
Smith DC: 3637
Smith DS: 3638
Smith DW: 3639
Smith EB: 761
Smith GJ: 1865
Smith GK: 2186
Smith I: 2652
Smith JB: 329
Smith JC: 2033
Smith JF: 3640
Smith JL: 920
Smith JM: 3641
Smith KD: 3715
Smith LD: 79
Smith ML: 3642
Smith N: 3643
Smith RE: 3644
Smith RF: 2614
Smith SD: 3645
Smith T: 3646
Smucker C: 3585
Smyth DG: 3647
Snelgar R: 3648
Snell CR: 3647
Snochowski M: 3064
Snoeijing R: 3649
Snowball S: 1722
Snyder PJ: 3650
Snyder SH: 3651
So CS: 3652
Soares DC: 618
Sobczak Z: 3653
Sobhon P: 2580, 3654
Sobieszczyk S: 744
Sobotka L: 3632
Söchtig E: 3466
Södersten P: 3655
Sofroniew MV: 3656
Softić N: 3657
Sojo-Aranda I: 3053
Sokabe H: 1871, 3658
Solaro RJ: 2266
Solbach HG: 3429
Solc J: 3659
Solem JH: 3660–3661
Soler NG: 3662
Soler-Argilaga C: 3663
Soler Ramón J: 1279
Soler Ripoll JJ: 2454

Solley GO: 3664
Solomon DH: 231, 620
Solomon HJ: 3665
Solomon S: 3666
Solov'ev VD: 3667
Solska E: 4376
Solter M: 189
Sołtysiak-Pawluczuk D: 3668
Soltysik-Wilk E: 3318
Som P: 3669
Somlyo AP: 3670
Sommer H: 978
Sommer JR: 892
Somogyi E: 3671
Somova L: 1559, 3672
Sonnenberg A: 3673
Sood GC: 1835
Sood MC: 2458
Soper JW: 2953
Sorbe B: 3674
Sorensen EN: 3675
Sørensen K: 3676
Sørensen TS: 3677
Sorenson GD: 298
Sorfová J: 3678
Soriano E: 999
Sorimachi M: 3679
Sorley AK: 2348
Sornay J: 3990
Sorteberg K: 4242
Sótonyi P: 3671
Sotorníková T: 873
Sotos JF: 741
Sottiurai VS: 3680
Souteyrand P: 3865
Southren AL: 1292, 4077–4078
Soutter GB: 2027
Sowers JR: 3681–3685, 3683
Sowiński J: 744
Spaček B: 3684, 4106
Spampinato S: 2277
Spano PF: 1562
Spanos E: 210, 1722
Spargo BH: 271
Spark RF: 3685
Spasov S: 2439–2440, 2440, 3907
Specchio LM: 3088
Speck B: 1623
Speck G: 3186
Speijers GJ: 4002
Speirs JI: 1996
Spencer GR: 459
Spencer R: 3686
Spencer RP: 3986
Spennati GF: 3687
Sperber EE: 3065
Sperk G: 3688
Spičáková V: 2261
Spiegel A: 1525
Spiegel P: 3460
Spiegelberg U: 2046–2047
Spies HG: 3103
Spigelblatt L: 3271
Spillane JA: 414
Spirt BA: 3689
Spitz IM: 3690
Spitzer NC: 2114
Spjut HJ: 3267
Spona J: 1354, 3691
Spooner PM: 3692
Spowart G: 3693
Spranger J: 3694
Spratto GR: 4295
Spreafico F: 2420
Sprecher-Goldberger S: 3872
Spurr CL: 2771
Spyraki C: 3511
Srebro Z: 3695
Srisupandit S: 1985
Srougi M: 3696
St John J: 3842
St-Yves C: 580
Stacey TE: 4170
Stachów A: 3697
Stachowiak M: 317
Stadel JM: 1286
Stadler H: 2794
Stadler J: 1133
Stadtkus C: 1410
Staffeldt EF: 1043
Stagni G: 3969
Stahl F: 3698
Stahl NI: 3699
Stahle J: 2761
Stahlke H Jr: 715
Stahn R: 2064
Stalmans W: 4020
Stalvey LP: 775
Stamm I: 225
Stammer CH: 984
Stanbury JB: 728
Stancel GM: 993
Stancu H: 638
Stangl R: 3700
Stankiewicz C: 3701
Stankiewicz-Chorószucha B: 1302
Stanley CA: 1192
Stanley JC: 792
Stanley RJ: 2163
Stanoeva L: 3702
Stanosek J: 3829
Stansfield DA: 4342
Starčević M: 3052
Starfield B: 3703
Stark AJ: 3293
Stark E: 2395
Starkman MN: 3945
Starlinger H: 3704
Starr MS: 3705
Starr P: 4033
Start IB: 654
Starzl TE: 3706
Starzyk J: 3707
Staub JJ: 2681, 3708, 4167, 4206
Stavric S: 1996
Stawiski MA: 2423
Stearns J: 2198
Stecker JF Jr: 3065
Steczek K: 1570
Steele MK: 3291
Steele PE: 3709
Stefanović V: 1697
Steigrad P: 3710
Stein BM: 3560
Stein JM: 1823–1825
Stein S: 2210
Stein-Werblowsky R: 3711
Steinbach G: 3712
Steinberg AD: 934, 2514
Steinberg FU: 3713
Steinberg RA: 3714
Steinberger E: 3715
Steinböck H: 409
Steiner AL: 2201
Steiner J: 3690
Steiner PM: 2516
Steiner R: 3716
Steiner S: 57
Steinetz B: 3465
Steinetz BG: 3104
Steinhausen HC: 3717
Steinhauser G: 3433
Steininger H: 3718
Stella A: 3719
Stellflug JN: 1470
Stellpflug H: 3720
Stelzer K: 2175
Stelzner A: 1543
Stemberger BH: 1976
Stemmerman G: 1475
Stenback WA: 3267
Stenram U: 625
Stenseth NC: 3641
Stenwig JT: 1961
Stenzel KH: 2786, 4142–4143
Stephen RL: 2210
Stephens EJ: 1984, 2946
Stephens GA: 776, 3721
Stephens JD: 1270
Stephenson JD: 3048
Stępień H: 2945
Sterling K: 3722
Stern GM: 3527
Stern P: 952, 3723
Stetson MH: 3724
Stevens JC: 3725
Stevens KR Jr: 2994
Stevens RH: 3726
Stevens VC: 3861
Stevenson IH: 1040
Stevenson RD: 3727
Stewart A: 3198
Stewart JM: 610
Stewart JN: 1765
Stewart PR: 1572
Stewart RE: 3728
Stewart RM: 3688
Stiehl A: 3587
Stierner U: 1763
Stigbrand T: 1573
Stille G: 630
Stiller C: 1896
Stimler NP: 3729
Stinson EB: 1725
Stitt JT: 3730
Stobo JD: 3664
Stock G: 1187, 3593
Stock W: 3268
Stockigt JR: 1526
Stöckl W: 1212
Stockman JA: 2176
Stockwell RA: 3731
Stockwell RM: 3732
Stoclet JC: 2310, 3733
Stoddard SF: 1224
Stoddard-Apter S: 2333
Stoelting RK: 3734
Stoffer SS: 3735
Stögmann W: 3736
Stolc V: 3737
Stolcová E: 1227
Stolević E: 2759
Stolkarts IZ: 3738
Stoll R: 2422, 3739
Stoll W: 1522
Stolla R: 3740
Stollenwerk U: 859
Stolov WC: 807
Stolze G: 3741
Stolzenbach G: 3108, 3742
Stone AR: 3743
Stone EA: 3744
Stone TW: 3386, 3745
Stoop JW: 124
Storb R: 531
Storm DR: 981
Storm-Mathisen J: 3746
Storozhuk AIa: 3747
Stössel B: 827
Stow JA: 1351
Stowe GC 3d: 3748
Stoye M: 1756
Strada SJ: 993, 3024
Straková M: 3749
Strange PG: 3750
Strat V: 2150
Straub KD: 198
Strauer BE: 3751
Straus FH: 4281
Strauss D: 2976
Strawbridge HT: 3932
Strbák V: 3752
Strecke J: 3451
Streibl W: 3151
Streicher E: 3427–3428
Strelets NN: 3297
Strindberg B: 950
Strober W: 1089
Strohmeyer G: 1962, 3753
Strong A: 2915
Strope E: 683
Stroud BJ: 1797
Stroud RE: 3754
Stroufová A: 3077
Stroupe SD: 888
Strumeliev S: 3755
Strumwasser F: 1795
Struyvenberg A: 1757
Strzelecki W: 3295
Stuart C: 3756
Stubbs SE: 857
Stubbs WA: 808
Stucki JW: 3757
Studd JW: 3758
Studer A: 4061
Studer H: 3759–3760, 3760
Studva KV: 3011
Study RE: 3761
Stukenberg J: 4301
Stulovschi A: 4382

Stummvoll HK: 4186
Stumpe KO: 4269
Stumpf WE: 1198–1199
Stünkel K: 3762
Sturchak SV: 1024
Sturgill BC: 4248
Sturm G: 583
Stursberg W: 3763
Stutman O: 3764
Stüttgen G: 3765
Stutzman L: 2771
Stutzman RE: 2362
Stygles VG: 3766
Stylos WA: 3455
Su WS: 186
Subrt I: 1547
Sucanthapree C: 3432
Suda T: 1799, 3808
Sudre Y: 1515
Sueoka S: 2477
Sugase M: 1867
Sugaya E: 3767
Sugerman RA: 3768
Sugimachi K: 2478
Sugimori H: 3769
Sugimoto M: 980, 2328
Sugimoto O: 3967
Sugimura T: 3810
Sugiyama S: 1165, 2582
Sukhova ZI: 364
Sulakhe PV: 3770
Sullivan AT: 3771
Sullivan FM: 201
Sullivan H: 1284
Sullivan M: 3772
Sullivan PC: 1205
Sullivan TJ: 153
Sulser F: 2573
Suma V: 3036
Sumer T: 3608
Summers RJ: 347
Summitt RL: 3773
Sumpter JP: 3774–3776, 3775–3776
Sun FF: 1584
Sun G: 3392
Sunaga T: 1816
Sunahara FA: 3777
Sund T: 3661
Sundaram K: 3862
Sundaresan N: 2166
Sundmacher R: 3778–3779
Suominen JJ: 3780
Suquet P: 1331
Surwit EA: 2558
Susaki S: 1677
Suskind R: 936
Sussman BJ: 3781
Suter H: 3782
Sutherland GR: 3783
Sutherland RJ: 3784
Sutton JD: 475
Suzuki F: 3811
Suzuki H: 4335
Suzuki I: 2587
Suzuki M: 2828, 3785
Suzuki T: 1855
Suzuki Y: 3343
Svedmyr N: 3786
Svenstrup B: 1492
Swaiman KF: 3787
Swales JD: 3885
Swaminathan N: 3788
Swan C: 3789
Swank RT: 3790–3791
Swann RW: 2613
Swannell AJ: 1969
Swanson DP: 1903
Swanson JA: 3792
Swanson LW: 3372–3373, 3793
Swartz TL: 1701
Sweeney TD: 2032
Sweeney VP: 874
Swender P: 2176
Swerts JP: 3794
Swiątkowski K: 2541
Sychov MD: 3795
Symonds HW: 163, 2287
Symons AM: 104
Symons C: 3796
Syson AJ: 3863
Szabo G: 1259
Szábo J: 2316
Szabo P: 172
Szaflik J: 1237
Szalay F: 1570
Szamier RB: 3797
Szántó L: 3192
Szczurek Z: 3798
Sze PY: 2323
Szego CM: 3010
Székely JI: 3799
Szentivanyi A: 2068, 3041
Szikla G: 3404
Szkilnik R: 482
Szoka PR: 3800
Szöllösi J: 3378
Szönyi P: 1942
Szücs J: 1570
Szyja J: 905
Szymaczek-Meyer L: 3801
Szymański A: 1237

T

Tabakoff B: 3802
Tabbakh E: 262
Tabei T: 2689
Tabor JM: 3021
Taché Y: 3306
Tada M: 3803
Tadokoro S: 2088
Taguchi A: 2380
Taintor JF: 325
Tait BD: 2131
Tait JF: 1904
Tait SA: 1904
Tajima K: 980
Takács L: 1036
Takada M: 2380
Takagi H: 3549
Takagi T: 3804
Takagi Y: 1934
Takahashi H: 1934, 1977
Takahashi K: 1977, 2628, 3805–3806, 4308
Takahashi M: 1918, 3807
Takahashi S: 1948
Takai T: 3805–3806
Takaku F: 1782
Takakuwa E: 3904
Takano K: 3551
Takao H: 3805–3806
Takasaki Y: 3808
Takayanagi I: 3809
Takazawa T: 3825
Takeda T: 3911
Takehara Y: 16
Takemori AE: 4035
Takenawa T: 2217
Takeuchi M: 1821
Takeuchi O: 2819
Takeuchi T: 3810
Takeva Z: 1360
Takewaki T: 3541
Taki I: 3769
Takigawa M: 1654, 3811
Takigawa Y: 1698
Takita T: 1586
Takizawa S: 3812
Takizawa T: 1816
Takuma T: 2083
Tal E: 3813
Talairach J: 3404
Talamantes F: 3557
Talaš M: 561, 3405
Taleb L: 718
Talerman A: 3814
Talesnik J: 3777
Täljedal IB: 1495
Tallant EA: 4128
Talley RW: 3357
Talmage RV: 3815–3816, 3816, 4005
Talner LB: 4041
Talwalkar YB: 3919
Talwar GP: 3131
Tamai H: 3817
Tamai S: 1586
Tamaoki B: 927
Tamaya T: 3818
Tamir H: 3819
Tamisier A: 1720
Tamura S: 3820–3821
Tan EM: 1147
Tan L: 3074
Tan SG: 3852
Tan SH: 180
Tanaka K: 2696, 3822
Tanaka T: 2790
Tananis CE: 4137
Tanay A: 3823
Tancer ML: 1177
Tancini G: 385
Tandon SK: 250
Taneda H: 2811
Tang CK: 3824
Tangney CC: 900
Taniguchi K: 3825
Taniguchi N: 3826
Tankle R: 1455
Tanneberger S: 2770
Tanzer ML: 3729
Tao LC: 2363
Taranenko AF: 257
Taranov AG: 1280
Tarantino A: 3016
Tarayre JP: 3827
Targett CS: 3828
Tarnawski R: 3829
Tarnowska-Dziduszko E: 3830
Tasaki I: 2902
Taşcă C: 3831
Tash JS: 3832
Tashchian DA: 2469
Tashiro M: 1820
Tashjian AH Jr: 3833–3834
Tashkhodzhaeva TP: 3949
Tashmukhamedova M: 127
Tatarinov YS: 3835
Tatcher M: 2093
Tateishi R: 1585, 3836
Tateno M: 3837
Tatossian A: 3080
Tatsumura T: 3968
Taub H: 2499
Taube C: 1559, 3672, 3838–3839
Taube HD: 3840
Tausch G: 2979
Tavasolian B: 3841
Taylor CM: 3842
Taylor DA: 3386, 3745
Taylor JM: 1885
Taylor KJ: 4134–4135
Taylor MJ: 3843
Taylor NF: 3844
Taylor SE: 3075
Taylor W: 1545
Tazaki E: 2819
Tchertkoff V: 3845
Tcholakian RK: 3715
te Velde J: 794
Teasdale G: 1465
Teates CD: 4248
Tedde R: 3141
Teeuw AH: 3846
Tegos S: 2775
Tei T: 2572
Teitelbaum P: 3400
Teitelbaum SL: 191
Tejero A: 4030
Telegdy G: 3847
Tell GP: 3334
Tellkamp H: 3848
Tempel G: 3681, 3683
Tempo B: 148
Temtamy SA: 3849
Ten Hoor F: 3211, 3850–3851
Tenaillon m: 1201
Teng YS: 3852
Tenner TE Jr: 2511
Tenovuo J: 3853
Tepmongkol P: 3854
Terao K: 3855
Terasaki PI: 2964
Terenius L: 3456, 3594–3595, 4098
Ternaux JP: 1202
Terplan K: 3756
Terpstra GK: 3856
Terqui M: 898
Terragno A: 3857–3858
Terragno NA: 3857–3858

Terrier G: 41
Terry A: 3630
Terry LC: 2450
Terry R: 3601
Terz JJ: 469
Terzoli L: 2188
Testa GF: 3859
Thambyrajah V: 3860
Thanavala YM: 3861
Tharandt L: 2831
Thau RB: 3862
Theile H: 488
Theobald TC: 3863
Theodor E: 3864
Theodorou A: 655
Theodorou-Touchais AM: 3865
Theron JJ: 3866
Theve NO: 3867
Thévenet M: 3868
Thibault P: 1201
Thibeault DW: 3869
Thibier C: 2657
Thibier M: 578
Thibonnier M: 3870
Thieblot P: 2318
Thiene G: 2879
Thienpont D: 3871
Thierbach R: 433
Thillard MJ: 1315
Thiry L: 3872
Thissen D: 3062
Thivolet J: 885
Thody AJ: 3873
Thoenen H: 2492, 3246
Tholin GB: 290
Thomas BW: 3324
Thomas CB: 3874
Thomas CE: 3027
Thomas ED: 531
Thomas F: 3875
Thomas JA: 880, 1184
Thomas L: 645
Thomas P: 1817
Thomas PE: 637, 2199
Thomas PJ: 89
Thomas PR: 915
Thomasset M: 3876
Thompson BD: 3527
Thompson EB: 3424
Thompson IM: 548
Thompson J: 361
Thompson JC: 3877
Thompson JE: 2190
Thompson JL: 3878
Thompson WJ: 993, 3024
Thomsen K: 2600
Thomson JA: 1465, 3879
Thomson JE: 3879
Thor DH: 3880
Thorbert G: 3881
Thorburn GD: 1752, 3843, 3882
Thorgeirsson UP: 1359
Thornburg KL: 330
Thornton EW: 3883
Thornton M: 3286
Thornton YS: 3862
Thorpe JM: 3026
Thorsteinsson B: 3884
Thrall JH: 1920
Thrasher TN: 1129
Threlfall RJ: 2299
Thunold S: 2
Thurman GB: 2303, 2446
Thurston H: 3885
Thysell H: 3886
Thysen B: 354, 3517
Tiałowska B: 375
Tibbs PA: 3887
Tichy AM: 3888
Tichý J: 3889
Tickle IJ: 246
Tidgren B: 963
Tien AF: 3598
Tifft CP: 1205, 3890
Tikekar SS: 3538
Till G: 1214
Tilley WD: 3891
Tillmann K: 2670
Tilson HA: 1825
Timm SL: 2965
Timonen T: 3915
Timsit J: 3892
Tipton RE: 3773
Tirard A: 3893
Tircoveanu E: 2150
Tirrell JG: 3894
Tischendorf L: 3895–3896, 3896
Tisher CC: 892
Titov VN: 3897–3898
Tiurin EI: 3899
Tizabi Y: 2462
Tjernberg B: 2799
Tkach FS: 3935
Tkhorevsky VI: 280
Tobler I: 3710
Todaro GJ: 1010
Todd JW: 3900
Todd R: 2737
Todua TN: 1282
Toffano G: 2775
Toft AD: 1673
Toivola PT: 1037
Toivonen I: 2542
Tojo S: 2589, 2695
Tokar' VI: 3901
Toker C: 3824
Toledo SP: 3351, 3902
Tolnai G: 2704
Toma F: 4063
Tomazini OJ: 3696
Tomazzoli L: 394
Tomilets VA: 3903
Tomioka H: 1978
Tomita A: 2686
Tomita T: 3904
Tomlinson S: 1481
Tomoda T: 3384
Tomonaga M: 3905
Tomooka Y: 3906
Tomov T: 3907
Tomson FN: 3908
Tonami N: 3909–3910
Tonda K: 3965
Tönder O: 2
Tong D: 490, 2994
Tonge JI: 3324
Toni MG: 320
Tono-oka T: 3911
Tonon GC: 1562
Tonon MC: 4032
Toraason M: 4296
Torda C: 3912
Torelli A: 3088
Toriihara M: 2092
Toriya S: 1933
Torjesen PA: 1425
Torkkeli T: 3913
Tormey DC: 4108
Torrente J: 809
Tortolero M: 3006
Toru M: 3914
Toscano G: 1381
Tosi G: 830
Toskina MK: 2018
Tosukhowong P: 2580, 3654
Tóth J: 743
Tötterman TH: 1472, 3915
Touitou Y: 2318
Touloukian RJ: 3243
Touraille C: 3990
Touraine JL: 1773
Touraine R: 3916, 3958
Tournut R: 640
Tous J: 2777
Toussaint C: 432
Továrek J: 3321
Tovsky NJ: 1711
Towell P: 2652
Towers RP: 2357
Towler CM: 1587
Townsend PR: 1436
Tozawa T: 1944
Tozzini RI: 3917
Trabucchi M: 1562
Trach BP: 3918
Trach IB: 3918
Trafford DJ: 205
Trainin N: 3285
Trakulrungsi C: 4034
Tramu G: 2187
Tran Quang Nuhan: 1308
Transbøl I: 626
Traugh JA: 1454
Trautmann J: 4091
Travis LB: 3919
Trčka V: 1391, 4106–4107
Trebst A: 3920
Tree M: 232
Treiman M: 3921
Trembath PW: 3922
Tremblay E: 260
Tremblay RR: 580
Trepachov S: 2439
Trepechov S: 2440
Tresca JP: 3923
Tresguerres JA: 4030
Treshchuk LI: 2409
Tret'iakov AV: 3924
Treves G: 3925
Trew AM: 895
Trewby PN: 3926
Trifaró JM: 3927
Triffitt JT: 3928
Triller J: 1552
Trimble MR: 3929
Trindle BD: 3930
Triner L: 1183
Triolo L: 3931
Tripol'skaia NA: 4372
Trippel J: 3245
Trivers G: 2446
Troitskiĭ GV: 2018
Trokoudes KM: 3932
Troshikhin GV: 3032
Trostler N: 3947
Trounson AO: 2736
Troupin AS: 807
Trubina IE: 4092
Truckenbrodt H: 3933
Trueworthy RC: 3645
Truex LL: 3423
Trusov VV: 2191
Truss F: 886, 3934
Trussoni G: 682
Trzeciak HI: 3798
Tsai TH: 3410
Tsai TL: 1938
Tsaknis PJ: 2724
Tsarikovskaia NG: 3935
Tscholl-Ducommun J: 3936
Tschöpe W: 3937
Tse JS: 3938
Tseng LF: 2214
Tseng R: 2181
Tsoĭ AN: 2078
Tsubouchi Y: 1918
Tsuchioka H: 4339
Tsuchiya E: 3939–3940
Tsuchiya H: 3941
Tsuji A: 2378
Tsujimoto A: 871
Tsukada T: 1977, 2728
Tsumuraya M: 3810
Tsunematsu Y: 3942
Tsurusawa M: 64
Tsutiya S: 2808
Tsutsui K: 3943
Tsuya A: 2819
Tsuyumu M: 3944
Tsvelev IuV: 215
Tsyba NN: 2705
Tsyrlina EV: 2273
Tucciarone LM: 4233
Tucker GT: 2451
Tucker HA: 241
Tucker RP: 3945
Tucker TT: 3554
Tuganowski W: 3946
Tugolukov VN: 1990
Tuig JG: 3947
Tuimala R: 1864
Tuji Y: 1158
Tully G: 2716
Tuma J: 4061
Tumilovich LG: 3503
Tunbridge RD: 3509
Tunbridge WM: 3948
Tunks DA: 2895
Tuomisto J: 2416
Tuoni M: 2432

Tura S: 152
Turaev RN: 967
Turakulov IaKh: 127, 3350, 3949
Turek FW: 532
Turini GA: 481
Turitto VT: 4183
Turlapaty PD: 3950
Turnbull AC: 2578
Turnbull J: 1664
Turner BH: 3951
Turner CW: 2816
Turner D: 156
Turner DR: 530
Turner GA: 3952
Turner JD: 3953
Turner MR: 3954
Turner TT: 1753
Turner TW: 3955
Turpen C: 4184
Turtle JR: 308, 740
Turusaki T: 3818
Tust RH: 663
Tutschka BG: 3956
Twarog BM: 2660
Tyagi SP: 3957
Tyce GM: 2641
Tyler GA: 3269
Tyler JP: 670
Tynes WV 2d: 4196
Typhagne F: 3958
Tyrer LB: 3959
Tzingounis V: 3960

U

Al-Ubaidy SS: 14
Ubelaker DH: 1899
Uchida T: 2871
Uchikawa T: 2686
Uchimura H: 1921
Uchino J: 3961
Uchiyama M: 3962
Uchiyama T: 2572
Uddströmer L: 3963
Udenfriend S: 2210
Ueda G: 3964
Ueda M: 3965
Ueda T: 3966
Ueha T: 1600
Ueki M: 3967
Ueland K: 679
Ueland PM: 3333
Ueno K: 3968
Ueno Y: 1750
Ugolini F: 305
Ugolotti G: 3969
Ugriumov MV: 3970–3971
Uherčik D: 3752
Uhlich E: 1050
Ui M: 1852
Ulan R: 1896
Ulpian C: 3927
Ulrich L: 3972
Ulus IH: 3394
Umezu K: 3973
Uñates LE: 1031
Ungar F: 3974
Unger RH: 1667
Unger T: 2071
Unno K: 1855
Uno M: 100
Uozumi T: 3975–3976, 3976
Uppal J: 1373
Urban I: 3977
Urdanivia E: 3978
Uren JR: 326
Urgancioglu I: 1453
Uroshleva LA: 3979
Ussing HH: 3980
Usuda M: 606
Usui T: 1868
Utiger RD: 1192
Utsunomiya T: 2585–2586

V

Vaage J: 3475
Vachtenheim J: 3981
Vad LB: 3982
Vader C: 3314
Vagneur JP: 3983
Vaidya AB: 3984
Vaillant R: 4032
Vajola FS: 605
Vakharia DD: 3985
Vakharia MR: 3985
Vakili A: 3986
Val-Sella MV: 3987
Valagussa P: 385
Valdazo A: 921
Valdes L: 2887
Valenti JL: 3091
Valentík M: 3988
Valenzuela CY: 3989
Valenzuela G: 183
Valin C: 3990
Valkov I: 1360, 3991
Valli M: 477
Valone FH: 3992
Valsamis J: 432
Valtin H: 924
Valueva GV: 3628
Van Alstine WL: 1195
Van Berkel TJ: 3993
Van Bogaert LJ: 3994
van Boxtel A: 479
van Buul PP: 3995
Van Camp K: 1309
van Cutsem J: 3871
van Daalen Wetters T: 3714
van de Graaf HM: 3850
van de Kar L: 3996
van de Kar LD: 3997
van de Werve G: 3998
Vandekerckhove DV: 4016
Van den Berg GB: 3993
Van den Berghe H: 1151–1152
van den Broek PJ: 3999
Van den Pol AN: 4000
Vander AJ: 2640
van der Hem GK: 877
Van der Heyden JA: 4001
van der Kroon PH: 4002
van der Leest LA: 4083
van der Molen.: 2651
van der Molen HJ: 169
van der Ouderaa FJ: 4010
van der Plank-van Winsen MP: 169
van der Ploeg GJ: 4003
Van Der Walt LA: 4004
Van der Weyden MB: 2162
Vander Wiel CJ: 3815–3816, 3816, 4005
VanDerSlik AL: 2017
Van Dessel G: 1532, 4006–4007, 4084
van Deth JH: 4008
van Deurs B: 2601
VanDeWalle CM: 3100
van Dieten JA: 1264
van Dijk JP: 4009
van Dijk JW: 897
van Dorp DA: 4010
Vane JR: 933, 2603–2604, 4222
Vaněček J: 1651
Vaněček M: 1391, 4106–4107
Van Eldik LJ: 3644
van Engelshoven JM: 3259
van Faassen F: 4008
van Geertruyden J: 432
Van Gilder JC: 3792
Van Gorp L: 789
Van Hall EV: 2802
van Hardeveld C: 1731
van Heerden JA: 3440
van Hell H: 4011
Vanhems E: 4012
van Herk G: 839
van Herle AJ: 4013
van Herwaarden CL: 4014
Van Horn RN: 3193
Vanhoutte PM: 738, 2345, 4015
Vaniiev RA: 404
van Kreel BK: 4009
van Limborgh J: 4008
Van Lint MT: 155
Vanluchene E: 4016
van Nagell JR: 801, 2487
Van Noorden S: 2458
Van Orden LS 3d: 3996
Vanparijs O: 789
van Praag HM: 4054
van Ree JM: 4017–4021, 4019, 4054
van Rees GP: 1264
van Rietschoten J: 3255–3256, 3256
van Sande M: 1309
van Schaik ML: 1087
Van Soest GA: 338
Vanstapel F: 4020
van Straaten HW: 668
van 'T Laar A: 4014
Van Thiel DH: 2193, 4021
van Tilburg NH: 450
van Wyk J: 4022
VanWyk JJ: 2211
Vapaatalo H: 4023, 4325
Varady P: 2495
Varela G: 2618
Varga SV: 4024
Vargas J: 728
Vargha G: 1382
Varonos D: 3511
Varpela E: 4025
Varvarigou A: 4026
Vasilev NB: 4027
Vasil'eva IA: 2273
Vasileva T: 1437
Vasiukova EA: 4028
Vasquez BJ: 2340
Vassalli JD: 1316, 4029
Vassart G: 460
Vaticón MD: 4030
Vattimo A: 2793, 4031
Vaudry H: 4032
Vaughan ED Jr: 2612
Vaughan GM: 4033
Vaughan MK: 4033–4034
Vaughn DA: 2308
Vaughn JE: 637
Vaught JL: 4035
Vazquez R: 4036
Vćkova M: 3702
Vebersík V: 935
Vecchietti G: 2566
Vecherskil GA: 4037
Vecsei P: 677, 1383, 2221, 4038
Vedy J: 826
Vegge T: 1468
Vejjajiva S: 4039
Veldhuis J: 3367
Vel'di AT: 2288
Velebit L: 4040
Velichko VI: 513
Velick SF: 2210
Velick WF: 4041
Velikanova LI: 4042
Velis O: 319
Velley L: 4043
Vellucci SV: 4044
Velo AG: 4045
Velojić D: 4046
Veltkamp JJ: 302, 450
Vendelmans-Starrenburg A: 3851
Venger PL: 4047
Vennerød AM: 1254
Vera J: 2218
Vera Gaspar D: 4048
Verbeuren TJ: 738
Vercelli-Retta J: 4049
Verdegaal-Immerzeel EA: 3995
Verduzco Pardo G: 4048
Verebély T: 4050
Vereckei I: 4051
Vereestraeten P: 432
Vergnaud O: 2422
Verhaeghe R: 4052
Verhoeven GF: 4053
Verhoeven RP: 825
Verhoeven WM: 4054
Verkasalo M: 4055
Verkindere MT: 2457
Vermeulen A: 1065
Vernant P: 1794
Vernon BG: 517
Vernon CA: 187
Veronesi U: 385
Verosky M: 1183
Versée V: 4056–4058
Verveen AA: 4059
Verzhikovskaia NV: 1148

Veselková A: 4060
Vesell ES: 2433
Vessey MP: 4261
Vetter H: 4269
Vetter W: 4061
Veylon R: 4062
Veyssiere G: 286, 1744
Vezzadini P: 95
Viau M: 680
Vičar J: 4063
Victor A: 4064
Vidaver GA: 3675
Vieira Filho JP: 4065–4066
Vieux N: 3172
Vignery A: 4067
Vihko R: 1409
Viinikka L: 4324
Vijayakumar R: 4139
Vijayalakshmi V: 4068
Vijayan E: 4069
Vikhliaeva EM: 4070
Vila Canella T: 3299
Vilar O: 525
Vileyn E: 2609
Vilimovská D: 1827
Viljoen CC: 4071
Villa M: 4026
Villamar P: 728
Villar-Palasi C: 820
Villarreal JA: 4072
Villegas Rubí M: 352
Villeneuve DC: 2740
Vimercati R: 155
Vincens L: 1512
Vincent JD: 968
Vincent M: 817, 3180
Vinci JM: 4073
Vinogradova IM: 2484
Vinogradova OL: 280
Vinokurov VL: 2714
Vinson GP: 3565
Violante A: 4074
Visconti M: 682, 2954
Vishnevetskaya MA: 280
Višňovský P: 3988
Visser TJ: 3633, 4075
Vítová Z: 4076
Vittek J: 1292, 4077–4078
Viviani C: 1018
Vlachová P: 3624
Vladimirova AD: 4079
Vladimirova AF: 2272
Vlaho M: 1350
Vlahos L: 4080
Vlasák V: 3684
Vlasov IP: 4081
Vocci FJ: 4082
Voccia E: 3084
Vodian MA: 970
Voeten AC: 4083
Voets R: 4084
Vogel JJ: 989
Vogel RA: 4085
Vogel Z: 4086
Vogelhut PO: 3448
Voglmayr JK: 2441
Vogt M: 3648
Voigt J: 4087
Voigt KH: 1041, 1353, 4164
Voigt R: 4088
Vojtková J: 3321
Volden G: 2600
Volicer L: 4089
Voliti H: 4090
Völkel N: 4091
Volkov AV: 4092
Volle RL: 3110
Volodina GI: 4093
Volovitz B: 1588
Volpe BT: 4094
Vol'skiĭ GG: 4095
Vom Saal FS: 4096
von Albert HH: 4097
Vončina D: 3052
von dem Borne AE: 1087
Vondra K: 4060
von Garrelts B: 996
von Herrath D: 3398
von Kaufmann F: 3037
Von Knorring L: 4098
von Lilienfeld-Toal H: 1951
von Papen C: 4099
von Schenck H: 2890
von Werder K: 4100
von Zerssen D: 4101
Voorhees JJ: 2423
Voorhees W: 4102
Voorheis HP: 2448
Vorath J: 1535
Voss C: 3150
Vossen JM: 124
Voûte CL: 4103
Vrhovac B: 2435
Vrinssen D: 389
Vrubel F: 4104
Vu Van H: 4105
Vukovich RA: 481
Vulliemoz Y: 1183
Vyhnánek F: 4106–4107

W

Waalkes TP: 4108
Wachtel SS: 799, 2823, 4109
Wada A: 3836
Waddington JL: 4110
Wade AP: 238
Wade DN: 3286
Wade JB: 4111
Wadkins CL: 4112
Waeber B: 481
Wagner BM: 4343–4344, 4344
Wagner D: 2046–2047
Wagner G: 1330, 4113
Wagner H: 109, 293
Wagner HR: 1094
Wagner O: 2179
Wagner TE: 4114
Wahal KM: 2506
Wahl E: 3441
Wahl LM: 2837, 3361, 4115
Wahl R: 379, 1807
Wahl SM: 2837, 4115
Wahl TO: 4116
Wahlström A: 4117
Wahner HW: 4118
Waine E: 4119
Waite LC: 2252
Waitzman MB: 4120
Waks U: 2495
Waksman BH: 1747
Wald A: 991
Waldhauaer F: 1144
Waldherr R: 4121
Waldmann TA: 1089, 1735, 1737
Waldron KJ: 632
Walker AM: 1583, 1758, 4122
Walker AR: 4123
Walker BB: 4124
Walker DG: 4125
Walker FM: 4126
Walker ID: 770
Walker RF: 304, 4127
Walker WG: 4211
Wallace JE: 3842
Wallace RA: 4237
Wallace RW: 4128
Wallace S: 3068
Wallach EE: 1402
Wallach S: 4129
Wallar PH: 4130
Wallington EA: 4131
Walport MJ: 2672
Walsh BT: 4132
Walsh CH: 4133
Walsh JW: 4134–4135
Walsh MF: 917
Walsh PC: 4136–4137
Walter NM: 1769, 2344
Walter R: 133
Walter RD: 4138
Walter RM Jr: 961
Walter SJ: 2149
Walters CE: 3166
Walters WA: 4139
Walton KG: 4140
Waluś KM: 4141
Wambach G: 389, 1494
Wan WC: 1751
Wan YP: 1631
Wanamaker WM: 32
Wang CL: 4142–4143
Wang DY: 490, 1475
Wang KT: 4278
Wanless IR: 4144
Warburton D: 3520
Ward A: 146
Ward DG: 1186
Ward DN: 2407
Ward GW: 632
Ward IL: 2969
Ward JA: 48
Ward JR: 2559
Ward MK: 2914–2915
Ward P: 4145
Ward RH: 4170
Warner NE: 4281
Warnock DG: 4146
Warot P: 2609
Warr JL: 2437
Warren DW: 25
Warren PS: 4147
Warren WJ: 2561
Warshaw BL: 4148
Warshawsky H: 2154
Wasada T: 4149
Waser PG: 3710
Washio M: 2695
Wasiak T: 1631
Wasilewski A: 2541
Wasilewski B: 409
Wass JA: 4150
Wass VJ: 4150
Wassif N: 2548
Wasson JF: 4135
Wasyluk H: 2754
Watanabe K: 2577, 2856, 3967
Watanabe R: 3811
Watanabe T: 2818
Watanuki M: 1397, 2691
Watatani H: 117
Waterson JG: 2816
Watkins CA: 4151
Watkins RN: 1758
Watson DC: 4152
Watson G: 2880, 3791, 4153
Watson SJ: 4154
Watt DA: 4155
Watts RW: 4156
Wax SD: 4163
Waxman SH: 3472
Way EL: 1627–1628, 4157
Waymire JC: 4158
Wayner MJ: 1823–1825
Ways SC: 4159
Weatherell JA: 3231
Webb DR: 4160–4161
Webb RC: 381
Webb S: 4162
Webb WR: 4163
Weber E: 1353, 2673, 4164
Weber H: 3416
Weber MA: 2292, 4165
Weber PC: 2134
Weber R: 1045, 1616
Weber T: 1426–1427, 4166
Weber W: 1623, 4167
Weckesser EC: 4168
Wedley S: 4169
Wedrén H: 2138
Weedon AP: 4170
Weeke J: 1425
Weeks JR: 4171
Wege H: 500
Wegener OH: 4172
Węgier A: 4173
Wegmann TG: 4174
Wei JY: 4175
Wei LY: 4176
Weibel M: 2908
Weichsel ME Jr: 641
Weick BG: 3112
Weidmann P: 1085
Weigert SR: 44
Weigle WO: 2916
Weilepp M: 2804
Weill J: 3046
Weimar G: 2703
Weinberger MH: 1335

Weiner BE: 1733
Weiner E: 122
Weiner G: 2961
Weiner H: 1858, 4132
Weinfeld A: 431
Weinger JM: 126
Weinhouse S: 3526
Weinkam RJ: 2198
Weinstein HE: 3945
Weinstein L: 1712
Weintraub DI: 2814
Weir B: 4177
Weir EK: 2588
Weir RJ: 4178
Weisberg E: 4179
Weisfeld GE: 4180
Weiske R: 4181
Weisman Y: 4182
Weiss G: 3104–3105, 3465
Weiss GB: 1523
Weiss HJ: 4183
Weiss JM: 161
Weiss M: 4367
Weiss RM: 3484
Weiss S: 4184
Weiss SJ: 4185
Weissbach L: 3470
Weissel M: 4186
Weissman BA: 288
Weissman SL: 798
Weissmann R: 4187
Weisz G: 214, 4188
Weisz J: 2433
Weisz-Carrington P: 2116
Weitkamp LR: 4189
Weitzman RE: 3144, 4190–4191, 4254
Weksler B: 4142–4143
Weláczky K: 2259
Welbourn RB: 1893
Welch AB: 4192
Welch KM: 3296
Weller JL: 2700
Weller RE: 4193
Wells SA: 3367
Wells SA Jr: 691, 1046–1047
Welti H: 3191
Welti HJ: 1727
Wemeau JL: 2257
Wemeau L: 3087
Wen HL: 4194
Wendelaar Bonga SE: 4195
Wendelken JR: 4196
Wendt GG: 651
Wendt H: 1553
Wendts R: 4197
Wenk RE: 4198
Wennberg A: 226
Wenneberg B: 4199
Wennmalm A: 4200–4201
Wensing CJ: 668
Wenting GJ: 825
Wentsche B: 1802
Wentworth BC: 3086
Wentworth RA: 2185
Wenzel KW: 4202
Wenzel M: 2182
Weringer EJ: 4203
Werka T: 4204
Werner B: 4205
Werner E: 2404
Werner HV: 3663
Werner MJ: 2574
Werner U: 365, 1550
Werner-Zodrow I: 4206
Wesche D: 916
Wesley RK: 4207
Wessels F: 3354–3355
Westall FC: 4208
Westbrook B: 831
Wester A: 805
Westergaard E: 2601
Westfal I: 3801
Westhead EW: 3894
Weston MJ: 4284
Wetterberg L: 1651, 4209
Wetzel V: 4210
Wey W: 1623
Weyman AE: 2664
Wezeman FH: 1594
Wheaton JE: 3160
Whelton PK: 4211
Whigham H: 824
Whishaw IQ: 1989, 3400
Whitaker PM: 4212
Whitaker RH: 340
White EA: 2012
White GW: 2900
White HJ: 4258
White IG: 2441
White JE: 2637
White JG: 1224–1225
White N: 1333, 4213–4214
White P: 414
Whitehead C: 4215
Whitehead MI: 534, 1931, 4216–4217
Whitehead PM: 2337
Whitehouse BJ: 3565
Whitfield CD: 4218
Whitsett JA: 4219
Whittaker AD: 2909
Whittingham S: 4220
Whittle BJ: 4221–4222
Whittle EG: 3195
Whitworth JA: 2335, 4223
Whitworth NS: 4224
Whorton AR: 2796
Wibell L: 4225
Wiberg T: 3475
Wicha MS: 4226
Wick G: 3203
Wicken AJ: 4227
Wickings EJ: 2753, 3720
Wicks JD: 439
Wictorsson K: 290
Wide L: 287, 2761
Wiebel J: 3717
Wiechel KL: 997
Wiedemann HR: 4228
Wiegelmann W: 3429
Wieland T: 4087
Wierenga W: 1299
Wierusz-Wysocka B: 4304
Wiesinger H: 321
Wiesmann U: 3569
Wiesmann W: 4229
Wiethölter H: 4230
Wiggins JR: 4231
Wiggins RC: 4232
Wiggins TL 3d: 4233
Wight DG: 137
Wightman PD: 391
Wijermans P: 124
Wikström M: 4234
Wikström MK: 33
Wikström S: 2784
Wilberger JE Jr: 4045
Wilchek M: 3819, 4086
Wilcox CS: 771, 4235
Wilcox CW Jr: 4196
Wilcox WC: 2897
Wildmeister W: 4236
Wildt DE: 508
Wiletzki C: 4315
Wilewska-Klubo T: 3249
Wiley HS: 4237
Wiley KS: 663
Wiley MH: 4238
Wilfert K: 767
Wilhelm HJ: 850
Wilkenfeld MJ: 4239
Wilkie DM: 4240
Wilkin TJ: 4241
Wilkinson M: 104, 3057
Wilkinson R: 4280
Willard JJ: 2407
Willcox DL: 2921
Wille LE: 4242
Willett JD: 2234
Williams AJ: 4243
Williams DG: 530, 4268
Williams EA: 4244
Williams G: 4245
Williams GH: 2615
Williams GM: 4211
Williams HB: 4246
Williams J: 3069
Williams R: 3926
Williams RH: 1709
Williams SD: 960
Williams TD: 4247
Williamson BR: 4248
Williamson DG: 672
Williamson DH: 3230
Willis JA: 543
Willner J: 179
Willoughby CB: 2503
Willoughby DA: 823
Wilmore DW: 4249–4250
Wilmotte J: 766
Wilroy RS Jr: 3773
Wilson CA: 4251
Wilson DW: 1503
Wilson EA: 1742
Wilson FA: 4252
Wilson JD: 30, 1705, 4053, 4253
Wilson JM: 3928
Wilson KC: 4254
Wilson M: 4255
Wilson MJ: 1259
Wilson PD: 4256
Wilson RS: 675, 4257–4258
Wilson T: 4259
Wilson TL: 1975
Wilson WO: 424–425
Wimmer IM: 3765
Winand J: 795
Winblad S: 2136
Windle CB: 4196
Winegrad S: 2326
Wingen AM: 4260
Wingerd J: 2988
Wingrave SJ: 4261
Winkelmann W: 55
Winkler H: 1613
Winnefeld K: 1134
Winslow PR: 1955
Winter JS: 4262
Winter M: 2179, 3575
Winter ME: 3573
Winter R: 4263
Wintour EM: 2253
Wipf G: 4355
Wira CR: 4264
Wirz-Justice A: 104
Wise BL: 4265
Wise PM: 3666
Wiseman A: 4266
Wiseman RA: 4267
Wisniewski A: 659
Wisniewski HM: 4268
Wisniewski K: 4268
Wisser H: 1971
Wissler JH: 2512
Witassek F: 4269
Withrington PG: 3200
Witkowska R: 376
Wittenberger C: 1253
Witter A: 4017
Wittermann ER: 4270
Wittmann DH: 4271
Wlodawer P: 4272
Wlodyka L: 3024
Wocial B: 1732
Woelders H: 2475
Wolberg G: 4380
Wolf PL: 4273
Wolf RH: 2840
Wolf U: 2654–2655, 4274, 4368–4369
Wolfe SA: 4275
Wolff DJ: 466
Wolff E: 3919, 4276
Wolff HP: 2999–3000, 3000
Wolff J: 1525, 4277
Wolff SM: 1180
Wolfsen A: 2936
Woltering EA: 1739
Wong CH: 4278
Wong GL: 4279
Wong HC: 4194
Wong HK: 4194
Wong KY: 3272
Wong PY: 2342
Wong SF: 4280
Wong TW: 4281
Wood C: 816, 4139, 4282
Wood DH: 3289
Wood HF: 1984, 2946
Wood SP: 246
Woodruff JD: 3194
Woodruff R: 4283

Woods HF: 4284
Woods JR Jr: 4285
Woods LF: 4266
Woods SC: 493
Woods WD: 4120
Woolner LB: 3440
Worley RJ: 4286
Wörner P: 2923
Woronzow WI: 1282
Worthington M: 2305
Wortsman J: 3662
Wouda W: 4287
Wovcha MG: 4288
Woźniak M: 4289
Wrange O: 541, 3867, 4290
Wrede LD: 2269
Wrenn JM: 4291
Wriedt WD: 4292
Wright DE: 4293
Wright DR: 3834
Wright FS: 4294
Wright GA: 4295
Wright GL: 4296
Wright KH: 1402
Wright V: 2666
Wrobel KH: 965, 2075, 4297
Wróblewska I: 4173
Wu CH: 4298
Wu KM: 2236
Wu SY: 620
Wulf HC: 4299
Wurtman RJ: 3394
Wuttke H: 4300–4301
Wuttke W: 1886
Wuytack F: 4302
Wyatt RJ: 3061
Wyche A: 2715
Wyrzykowska K: 4303
Wyrzykowski Z: 4303
Wysocki H: 4304
Wyss HI: 2674

Y

Yabu Y: 71
Yabuuchi H: 2702
Yachnin M: 4213
Yadav T: 3146
Yagi K: 2697, 4318
Yagi N: 1924–1925
Yagi R: 1983
Yagminas AP: 2740
Yahn D: 3110
Yamada KI: 1678
Yamada M: 1654, 2871, 3803
Yamada Y: 3548
Yamaga N: 1647
Yamagami S: 2476
Yamaguchi LY: 3045
Yamaguchi T: 3944
Yamaguchi Y: 4305
Yamamoto I: 4306
Yamamoto J: 1429
Yamamoto K: 1162, 1648, 2260, 2479
Yamamoto M: 2396, 4307
Yamamoto T: 2871
Yamamoto Y: 2572
Yamamura K: 4308
Yamamuro M: 2585
Yamanaka H: 1304
Yamane T: 1868
Yamasaki F: 1466
Yamasaki M: 3964
Yamasaki S: 1158
Yamashiro D: 2214
Yamashita A: 4309
Yamashita E: 4311
Yamashita J: 4310
Yamashita K: 4311
Yamatogi Y: 1026
Yamauchi T: 4312
Yamazaki H: 1120
Yamori Y: 36
Yamour AL: 3606
Yanagishita M: 4313
Yang CP: 3478
Yang SY: 4314
Yaron I: 4315
Yaron M: 4315
Yase Y: 4316
Yasuda N: 4317
Yasui T: 3906
Yasujima M: 7
Yasumoto K: 1698
Yates J: 4229
Yatomi K: 1934
Yaw A: 488
Yazaki Y: 3546
Yazawa M: 4318
Yeager FM: 3448
Yedwab G: 947
Yeh H: 4319
Yen TT: 4320
Yenbutra D: 4039
Yeo T: 808
Yesberg NE: 4321
Yim GK: 2996, 4322
Yip MY: 4323
Ylikorkala O: 4324
Ylitalo P: 4325
Yokobayashi T: 4326
Yokochi T: 4327
Yokosawa H: 1658
Yonaga T: 4328–4330
Yonahara Y: 1540
Yonezawa K: 4331
Yong HS: 4323
Yoshida A: 3543
Yoshida H: 3548, 4332
Yoshida K: 3679, 4307, 4333
Yoshida N: 4334
Yoshida O: 1869, 1993
Yoshida T: 4335
Yoshihara M: 3962
Yoshikawa H: 4336–4338
Yoshikawa K: 1821
Yoshimi H: 2477, 2696
Yoshimine K: 1816
Yoshimoto Y: 2936
Yoshimura S: 1653
Yoshinaga H: 1654
Yoshinaga K: 7, 1415, 1926, 1978, 4307
Yoshino S: 1304
Yoshioka K: 4339
Yoshioka T: 2902
Yosida TH: 1818
Youdim MB: 168
Young J: 3113
Young JF: 1510
Young JK: 4340–4341
Young JL: 4342
Young JM: 4343–4344, 4344
Young LJ: 4345
Young MR: 1448
Young RA: 1143
Young RJ: 386
Young RT: 3331
Young SG: 2997
Young SN: 407
Younger JB: 4346
YoungLai EV: 112
Yount RA: 52
Youssefnejadian E: 1445–1446
Yoxall BE: 4343
Ytteborg J: 3660
Yu D: 886, 1330
Yu PH: 4347
Yuasa S: 4348
Yue RH: 4349
Yuita K: 4350
Yukimura Y: 4351
Yukitake Y: 4352
Yund MA: 4353
Yusof K: 3860
Yust I: 3823

Z

Zabawska J: 482
Záborszky L: 4354
Zach H: 2178
Zacher C: 3896
Zachmann M: 84, 4314
Zaclis J: 3351
Zagalak B: 4355
Zagalak MJ: 4355
Zaidi AA: 115
Zaitoon MM: 4356
Zaĭtsev VP: 3082
Zaĭtseva VA: 2893
Zak KP: 513
Zakharova IA: 3903
Zakharova NN: 1803
Zakov ZN: 3748
Zaks IO: 4092
Zalman F: 4357
Zambelis N: 2282, 3203
Zamir N: 4358
Zanchetti A: 2188, 3719
Zanelli JM: 568
Zaninovich AA: 4359
Zanoio L: 2566
Zaoral M: 2430
Zaorska B: 4360
Zapf J: 3437
Zaprudnov AM: 4387
Zárate A: 1381
Zare RN: 848
Zaret CR: 1551
Zarkadas CG: 4361
Záruba K: 4061
Zaslavskaia RM: 3145
Zatz M: 4362–4363
Zava DT: 2977
Zavadil M: 3624
Zaviačič M: 4364
Zawada ET: 2495
Zawadzki J: 2468
Zawalich WS: 4365
Zawieja M: 3801
Zazgornik J: 2001
Zbykovs'ka LI: 404
Zebrowska-Lupina I: 4366
Zehl U: 1105, 4367
Zehle A: 1494
Zelenetskaia VS: 865
Zelski LM: 3011
Zenser TV: 3487
Zenzes MT: 2654–2655, 4368–4369
Zerwekh JE: 4370
Zeskind PS: 4371
Zgliczyński S: 193
Zhakhova ZN: 4372
Zhemerikina EV: 3898
Zherev S: 4373
Zhizhina NA: 3082
Zhuk VI: 4374
Zick Y: 4375
Ziegler JB: 2162
Ziegler R: 3151
Ziegler WH: 1085
Zieleniewski J: 3029
Zieliński K: 4204
Zieliński T: 4376
Ziemlanski S: 4377
Zigmond RE: 4378
Zilenovski AM: 4379
Zimmerman AE: 2029
Zimmerman TP: 4380
Zingales B: 4381
Zischinsky W: 1988
Zitti E: 4382
Ziuziukin IuV: 3572
Zmora E: 4383
Zolotaia RD: 3145
Zomparelli M: 69
Zondek LH: 4384–4385
Zondek T: 4384–4385
Zonis S: 2530
Zor U: 4315
Zsebök Z: 4386
Zubenko NL: 1689
Zubialde JP: 616
Zubovskiĭ GA: 4387
Zubzhitskiĭ IuN: 2815
Zucali R: 385
Zucchelli GC: 320, 650
Zucker IH: 4388
Zumoff B: 4132
Zumpe D: 395
Zurita AR: 1516
Zusman R: 2850
Zusman RM: 4073
Zusmanovskiĭ AG: 4389
Zviagintsev VI: 3038
Zwintz E: 4390

☆ U. S. GOVERNMENT PRINTING OFFICE: 1979 — 281-226/2

CORRESPONDENCE CONCERNING THIS PUBLICATION

PAID SUBSCRIPTIONS: If your address has changed and you wish to continue receiving this publication, please check here , enclose address label from this publication and your new address, and send to:

SUPERINTENDENT OF DOCUMENTS
U.S. GOVERNMENT PRINTING OFFICE
WASHINGTON, D.C. 20402

FREE SUBSCRIPTIONS: Contractors, Grantees, and Medical Libraries

If your address has changed and you wish to continue receiving this publication, please check here enclose address label from this publication and your new address, and send to:

SCIENTIFIC COMMUNICATIONS OFFICE
NATIONAL INSTITUTE OF ARTHRITIS, METABOLISM
AND DIGESTIVE DISEASES
NATIONAL INSTITUTES OF HEALTH
BUILDING 31, ROOM 9A-21
BETHESDA, MARYLAND 20205

Individual copies should be purchased from the Superintendent of Documents.

NIH Publication No. 79-273